QUALIFICATIONS VALIDATED ANNUALLY

QML-38535-4
14 March 1994
SUPERSEDING
QML-38535-3
15 September 1993

QUALIFIED MANUFACTURERS LIST

OF

FSC 5962

ADVANCED MICROCIRCUITS

QUALIFIED UNDER MILITARY SPECIFICATION

MIL-I-38535

MICROCIRCUITS MANUFACTURING

GENERAL REQUIREMENTS FOR

This list has been prepared for use by or for the Government in the acquisition of advanced microcircuit products covered by Specifications MIL-I-38535 and MIL-M-38510. Listing of a product is not intended to and does not connote indorsement of the product by the Department of Defense. This list is subject to change without notice; revision or amendment of this list will be issued as necessary. The listing of a product does not in any way release the supplier from compliance with the individual item specification requirements.

THE ACTIVITY RESPONSIBLE FOR THIS QML IS THE UNITED STATES AIR FORCE, CODE 17. The activity designated as agent for all contacts relative to this QML is the Defense Electronics Supply Center (DESC-EQ), Dayton, OH 45444-5270.

If a manufacturer desires to have test data considered for qualification, he must be certified and perform all required qualification tests; the qualification sample must be produced under a valid authorization to test with DESC certified materials and manufacturing techniques; and he must comply with the requirements specified in MIL-I-38535 prior to the start of any testing.

The listing of microcircuit manufacturing lines in the QML applies only to products produced in the plant(s) specified herein. Therefore, only those products that have been manufactured, assembled, and tested within the United States and its territories, except as allowed by MIL-I-38535 and as provided by international agreement establishing reciprocal and equivalent quality systems and procedures, can be supplied as qualified microcircuit QML devices.

Microcircuits manufactured, assembled, and tested in accordance with MIL-I-38535 shall bear the "QML" certification mark or the "Q" abbreviation. Products manufactured, assembled, and tested shall meet all the provisions of MIL-I-38535; and shall be manufactured on the DESC certified lines as indicated herein. The information contained in this QML reflects the actual manufacturing lines, materials, and manufacturing construction techniques of the particular test sample(s). Any product represented as being compliant shall be manufactured on the lines/flows using the material and manufacturing construction techniques listed herein, as is necessary to meet the requirements of the user. The user shall be responsible for determining if the QML listing is adequate to demonstrate capability for the intended application. Supplemental testing and listing can be accomplished by application and approval of DESC-EQ. Microcircuits are not limited to those listed. However, testing must be completed and approved before the product can be shipped or used in the intended application.

To obtain MIL-I-38535 qualified microcircuits, the procurement document must specify that the product be manufactured to MIL-I-38535, and be manufactured as outlined herein. Ordering data is contained in paragraph 6.1 of MIL-I-38535. All procurement documents shall meet the requirements of MIL-I-38535.
As of 15 September 1993 this list incorporates QPL 38510 as section II.

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

ATTENTION QML DEVICE USERS

QML 38535 AVAILABLE AS INTERACTIVE FORMAT ON DESC-E BULLETIN BOARD

The information contained in Section I, Tables I and II, QML Device Listing, is available on the DESC Bulletin Board as an interactive FoxPro database. This will allow the user to electronically search for microcircuits qualified to MIL-I-38535. The following are parameter settings for the DESC-E Electronic bulletin board:

* (513) 296-6046 is the phone number for 2400 baud
* (513) 296-8875 is the phone number for 9600 baud
* Protocol for the 9600 baud lines is V.32/V.42 BIS.
* No Parity
* 8-Bit data word
* 1 stop bit
* Full duplex

A 386 or more advanced computer with $\geq$4 Meg of RAM is required to run this software. The other sections of the QML Listing are also available on the bulletin board as ascii text files.

Contact Kirk Gill at (513) 296-6268 for additional information.

PREFACE

TRANSITIONAL CERTIFICATION IS DEFINED AS: An allowance granted to JAN MIL-M-38510 manufacturers to transition their QPL, SMD and MIL-STD-883 compliant devices to the QML MIL-I-38535 program. This allowance is based on information provided by the JAN manufacturers that the included facilities and product have been and are meeting screening method 5004 and Quality Conformance Inspection method 5005. To be eligible for transitional certification, the JAN manufacturer must have submitted a plan for achieving full MIL-I-38535 QML within a specified period of time.

DOCUMENT INDEX

This QML contains multiple sections and tables to facilitate use and aid in locating certified and qualified sources of supply for microcircuits suitable for military and other applications

SECTION I : Qualified Manufacturers List (QML). Manufacturers (Full and Transitional) meeting MIL-I-38535 requirements.

TABLE I: Master cross reference listing approved QML sources by SMD and Military Specification to manufacturer's part number.

TABLE II: Master cross listing of manufacturer generic part number to the approved QML source.

SECTION II : Qualified Product List (QPL). Manufacturers formerly MIL-M-38510 and now meeting MIL-I-38535 Appendix A requirements.

SECTION III : Information concerning the availability of MANUFACTURERS DATA BOOK/CATALOG PARTS under the manufacturer's MIL-I-38535 system.

SECTION I
(QML-38535)

This section provides manufacturers that meet all MIL-I-38535 requirements. All products listed in this section have been qualified under the requirements of the latest effective issue of MIL-I-38535 and the applicable military acquisition document. Additionally, manufacturers meeting requirements for transitional certification are listed in this section. These manufacturers are authorized to use the military identifier and the "QML" or "Q" certification mark on each microcircuit produced under the certified QML envelope of processes and materials as specified herein.

NOTE: Manufacturers listed in this section can also use the Military Specification (MIL-M-38510) identifier and the "JAN" or "J" certification mark to satisfy customer orders for JAN QPL devices previously produced under MIL-M-38510.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
AT&T Microelectronics 555 Union Blvd Allentown PA 18103-1285	98739	CERU	N/A

CONTACT	TEST REPORT	CLASS
Bill Vesperman (215) 439-6035	QML001-1289, 51-92	Q

QML STATUS: FULL QML CERIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
0.9 & 1.25 um SLM and DLM	Standard Cell and Full Custom ASICs, FPGAs, and DSP

DESIGN CENTER(S)

LOCATION: Allentown PA
LINE: Lab 5285, Department 52845
FLOW: A91AL0741/A91AL1011

MASK DEVELOPMENT CENTER(S)

LOCATION: Allentown PA
LINE: Mask Shop-Allentown PA
FLOW: SIF-5568

WAFER FABRICATION OPERATION(S)

LOCATION: Allentown PA
LINE: MOS V
FLOW: PFC-074-LOG 84, LOG 185, LOG 94, LOG 157

ASSEMBLY OPERATION(S)

LOCATION: Allentown PA ASSEMBLY CODE: USA
LINE: JIT MOS Ceramic Assembly
FLOW: SIF-QMP3-Flow

ELECTRICAL TEST OPERATION(S)

LOCATION: Allentown PA
LINE: JIT MOS Ceramic Flow
FLOW: SIF-QMP3-Flow

ENVIROMENTAL TEST OPERATION(S)

LOCATION: Allentown PA
LINE: Reliability Lab
FLOW: SIF-QMP3-Flow, IL-5337, SIF-IL5349 Flow 2

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
AT&T Microelectronics 555 Union Blvd Allentown PA 18103-1285	98739	CERU	N/A

CONTACT	TEST REPORT	CLASS
Bill Vesperman (215) 439-6035	QML001-1289, 51-92	Q

QML STATUS: FULL QML CERIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
0.9 & 1.25 um SLM and DLM	Standard Cell and Full Custom ASICs, FPGAs, and DSP

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE		28		132-256	
MATRIX SIZE			175		
LEAD FINISH		SOLDER/GOLD	SOLDER/GOLD	SOLDER/GOLD	
LEAD PITCH		100 MIL	100 MIL	20-205 MIL	

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
American Microsystems, Inc. 2300 Buckskin Road Pocatello ID 83201	31471		N/A

CONTACT	TEST REPORT	CLASS
Dave Locke (208) 234-6708	7323007, 7323817	Q

QML STATUS: FULL QML CERIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
1.25 um DLM CMOS	Gate Arrays

DESIGN CENTER(S)

LOCATION: Pocatello ID
LINE: QML Design
FLOW: AMI 4401005

LOCATION: San Jose CA
LINE: QML Design
FLOW: AMI 4401005

MASK DEVELOPMENT CENTER(S)

LOCATION: Kokomo IN
LINE: QML Technology Flow (7050013)
FLOW: AMI 7630004

LOCATION: Dallas TX
LINE: QML Technology Flow (7050013)
FLOW: AMI 7630004

WAFER FABRICATION OPERATION(S)

LOCATION: Pocatello ID
LINE: CAB
FLOW: AMI 7019027

ASSEMBLY OPERATION(S)

LOCATION: Pocatello ID ASSEMBLY CODE: USA
LINE: QML Silver Glass
FLOW: AMI 7020040

LOCATION: San Jose CA ASSEMBLY CODE: USA
LINE: QML Silver Glass
FLOW: AMI 7020040

ELECTRICAL TEST OPERATION(S)

LOCATION: Pocatello ID
LINE: QML Technology Flow (7050013)
FLOW: AMI 7450000

ENVIROMENTAL TEST OPERATION(S)

LOCATION: Pocatello ID
LINE: QML Technology Flow (7050013)
FLOW: AMI 5150026

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
American Microsystems, Inc. 2300 Buckskin Road Pocatello ID 83201	31471		N/A

CONTACT	TEST REPORT	CLASS
Dave Locke (208) 234-6708	7323007, 7323817	Q

QML STATUS: FULL QML CERIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
1.25 um DLM CMOS	Gate Arrays

LOCATION: San Jose CA
LINE: QML Technology Flow (7050013)
FLOW: AMI 5150026

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE				28-256	
MATRIX SIZE			64-476		
LEAD FINISH			Gold	Gold	
LEAD PITCH					

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Analog Devices 804 Woburn Street Wilmington MA 01887	51640	CEKS	N/A

CONTACT	TEST REPORT	CLASS
Jim Kaufman (617) 937-2470	EQC-94-065	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, FLASH, STAT I, Comp Bipolar, BIMOS,ABCMOS	Data Converters, Amplifiers, Analog Signal Processors, Sensors, References

DESIGN CENTER(S)

LOCATION: Wilmington MA
LINE: Linear and Mixed Signal Design
FLOW: Design Manual Ver. 1.0

LOCATION: Beavertown OR
LINE: Linear and Mixed Signal design
FLOW: Design Manual Ver. 1.0

LOCATION: Limerick Ireland
LINE: Linear and Mixed Signal Design
FLOW: Design Manual Ver 1.0

LOCATION: Greensboro NC
LINE: Linear and Mixed Signal Design
FLOW: Design Manual Ver. 1.0

LOCATION: Norwood MA
LINE: Linear and Mixed Signal Design
FLOW: Design Manual Ver. 1.0

MASK DEVELOPMENT CENTER(S)

LOCATION: Outside Location
LINE:
FLOW:

WAFER FABRICATION OPERATION(S)

LOCATION: Wilmington MA
LINE: 4" Linear
FLOW: Contact Manufacturer

ASSEMBLY OPERATION(S)

LOCATION: Wilmington MA ASSEMBLY CODE: USA
LINE: Wilmington Assembly
FLOW: F-0008, F-0142

LOCATION: Manila Philippines ASSEMBLY CODE: PHILIPPINES or 07
LINE: Hermetic
FLOW: F-0133M, F-0152M, F-0154M

ELECTRICAL TEST OPERATION(S)

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Analog Devices 904 Woburn Street Wilmington MA 01887	51640	CEKS	N/A

CONTACT	TEST REPORT	CLASS
Jim Kaufman (617) 937-2470	EQC-94-065	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, FLASH, STAT I, Comp Bipolar, BIMOS,ABCMOS	Data Converters, Amplifiers, Analog Signal Processors, Sensors, References

LOCATION: Wilmington MA
LINE: Wilmington Electrical Test
FLOW: W-XXXX

LOCATION: Manila Philippines
LINE: Manila Electrical Test
FLOW: W-XXXX

ENVIROMENTAL TEST OPERATION(S)

LOCATION: Wilmington MA
LINE: Wilmington Environmental
FLOW: Per lot traveler

LOCATION: Manila Philippines
LINE: Manila Environmental
FLOW: Per lot traveler

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE	2	14-28		20-44	2-12
MATRIX SIZE					
LEAD FINISH	Solder	Solder		Solder	Solder
LEAD PITCH	50 MIL	100 MIL		50 MIL	100-400 MIL

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Harris Semiconductor Products 2401 Palm Bay Road, N.E. Palm Bay FL 32905-	34371	CDWO	N/A

CONTACT	TEST REPORT	CLASS
Peter Brooks (407) 724-7783	QEC-93-627	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, CMOS, Linear, CMOS SAJI	Memories, Logics, Switches, Timers, Microprocessors, Micro-peripherals

DESIGN CENTER(S)

LOCATION: Palm Bay FL
LINE: Standard Products
FLOW: Contact Manufacturer

MASK DEVELOPMENT CENTER(S)

LOCATION: Palm Bay FL
LINE: Mask Line
FLOW: Contact Manufacturer

WAFER FABRICATION OPERATION(S)

LOCATION: Palm Bay FL
LINE: Fab 54
FLOW: Bipolar, CMOS SAIJ, Linear Silicon Gate, DI Bipolar, DI Linera CMOS, SAJI I

LOCATION: Palm Bay FL
LINE: Fab 54
FLOW: Scaled SAJI IV, SAJI V, SAJI VI, L7

LOCATION: Palm Bay FL
LINE: Fab 59
FLOW: Bipolar, CMOS, SAJI, SAJI I, Scaled SAJI IV, SAJI V, SAJI VI, L7

LOCATION: Findlay OH
LINE: Fab 2
FLOW: CMOS Metal Gate, Bipolar JI, QMOS

ASSEMBLY OPERATION(S)

LOCATION: Palm Bay FL ASSEMBLY CODE: X
LINE: Hermetic
FLOW: 841XXX, 240XXX, 352XXX

LOCATION: Kuala Lumpur Malaysia ASSEMBLY CODE: H
LINE: Hermetic
FLOW: 841XXX, 240XXX, 352XXX

ELECTRICAL TEST OPERATION(S)

LOCATION: Palm Bay FL
LINE: Compliant
FLOW: Contact Manufacturer

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Harris Semiconductor Products 2401 Palm Bay Road, N.E. Palm Bay FL 32905-	34371	CDWO	N/A

CONTACT	TEST REPORT	CLASS
Peter Brooks (407) 724-7783	QEC-93-627	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, CMOS, Linear, CMOS SAJI	Memories, Logics, Switches, Timers, Microprocessors, Micro-peripherals

LOCATION: Kuala Lumpur Malaysia
LINE: Compliant
FLOW: Contact Manufacturer

ENVIROMENTAL TEST OPERATION(S)

LOCATION: Palm Bay FL
LINE: Compliant Hermetic
FLOW: 86XXX, 40H-721-052-XXX,8*XXXXX, 9*XXXXX, 54XXXX, 87XXXX, 240XXX

LOCATION: Kuala Lumpur Malaysia
LINE: Compliant Hermetic
FLOW: 86XXXX, 40H-721-052-XXX, 8*XXXXX, 9*XXXXX, 87XXXX, 240XXX

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE		8-40		20-44	8-12
MATRIX SIZE			68-85		
LEAD FINISH		Solder/Gold	Solder	Solder	Solder/Gold
LEAD PITCH		100 Mils	100 MILS	50 Mils	N/A

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Honeywell SSEC 12001 State Highway 55 Plymouth MN 55441-4799	34168		1 Meg

CONTACT	TEST REPORT	CLASS
BRET RINEHART (612) 954-2956	45-92, 46-92, 08-93, 02-94	Q and V

QML STATUS: FULL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
1.2 um RICMOS III and 0.8 um RICMOS IV (Q level)	SRAM, Logic, and Custom, Semi-Custom, Standard Cell, and Gate Array ASICs

DESIGN CENTER(S)

LOCATION: Plymouth MN
LINE: RICMOS III (Q and V)
FLOW: GMS 10006

LOCATION: Plymouth MN
LINE: RICMOS IV (Q)
FLOW: GMS 10006

MASK DEVELOPMENT CENTER(S)

LOCATION: Plymouth MN
LINE: RICMOS III (Q and V)
FLOW: GMS 10027

LOCATION: Plymouth MN
LINE: RICMOS IV (Q)
FLOW: GMS 10027

WAFER FABRICATION OPERATION(S)

LOCATION: Plymouth MN
LINE: RICMOS III (Q and V)
FLOW: 22005911

LOCATION: Plymouth MN
LINE: RICMOS IV (Q)
FLOW: 22016249

ASSEMBLY OPERATION(S)

LOCATION: Plymouth MN ASSEMBLY CODE: USA
LINE: RICMOS III (Q and V)
FLOW: 22009590

LOCATION: Plymouth MN ASSEMBLY CODE: USA
LINE: RICMOS IV (Q)
FLOW: 22009590

ELECTRICAL TEST OPERATION(S)

LOCATION: Plymouth MN
LINE: RICMOS III (Q and V)
FLOW: GMS 10006

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Honeywell SSEC 12001 State Highway 55 Plymouth MN 55441-4799	34168		1 Meg

CONTACT	TEST REPORT	CLASS
BRET RINEHART (612) 954-2956	45-92, 46-92, 08-93, 02-94	Q and V

QML STATUS: FULL QML CERIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
1.2 um RICMOS III and 0.8 um RICMOS IV (Q level)	SRAM, Logic, and Custom, Semi-Custom, Standard Cell, and Gate Array ASICs

LOCATION: Plymouth MN
LINE: RICMOS IV (Q)
FLOW: GMS 10006

ENVIROMENTAL TEST OPERATION(S)

LOCATION: Plymouth MN
LINE: RICMOS III (Q and V)
FLOW: GMS 10006

LOCATION: Plymouth MN
LINE: RICMOS IV (Q)
FLOW: GMS 10006

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE	36-256				
MATRIX SIZE					
LEAD FINISH	GOLD				
LEAD PITCH	20-40 MIL				

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
IBM Corporation 9500 Godwin Drive Manassas VA 22110-4198	52088		2 Meg

CONTACT	TEST REPORT	CLASS
Dave Polak (703) 367-3458	19-92, 20-92, 21-92, 32-92, 74-92, 06-94	Q and V

QML STATUS: FULL QML CERIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
1.0 um RHCMOS, 0.8 um RHCMOS-E, VCOS, 0.5 HMCMOS	SRAM, Logic, VCOS Memory, Microprocessors, and Custom and Gate Array ASICs

DESIGN CENTER(S)

LOCATION: Manassas VA
LINE: VLSI
FLOW: MIDS/MVISA QM Plan Design Rules

MASK DEVELOPMENT CENTER(S)

LOCATION: OUTSIDE LOCATION
LINE:
FLOW:

WAFER FABRICATION OPERATION(S)

LOCATION: Manassas VA
LINE: IBM FSD VLSI 1.0 um RHCMOS, VCOS
FLOW: Q.P. 163A937

LOCATION: Manassas VA
LINE: IBM FSD VLSI 0.8um RHCMOS-E,0.5um HMCMOS
FLOW: Q.P. 163A937

ASSEMBLY OPERATION(S)

LOCATION: Manassas VA ASSEMBLY CODE: USA
LINE: IBM FSD VLSI
FLOW: 163A633, 163A650, 163A799

ELECTRICAL TEST OPERATION(S)

LOCATION: Manassas VA
LINE: IBM FSD VLSI
FLOW: QM Plan Paragraph 5.5.14

ENVIROMENTAL TEST OPERATION(S)

LOCATION: Manassas VA
LINE: IBM FSD VLSI
FLOW: QM Plan Paragraph 5.5

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
IBM Corporation 9500 Godwin Drive Manassas VA 22110-4198	52088		2 Meg

CONTACT	TEST REPORT	CLASS
Dave Polak (703) 367-3458	19-92, 20-92, 21-92, 32-92, 74-92, 06-94	Q and V

QML STATUS: FULL QML CERIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
1.0 um RHCMOS, 0.8 um RHCMOS-E, VCOS, 0.5 HMCMOS	SRAM, Logic, VCOS Memory, Microprocessors, and Custom and Gate Array ASICs

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE	40-308				
MATRIX SIZE					
LEAD FINISH	GOLD				
LEAD PITCH	250-635MIL				

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Intel Corporation 5000 W Chandler Blvd Chandler AZ 85226-4702	34649	CECC	N/A

CONTACT	TEST REPORT	CLASS
Greg Mather (602) 554-8450	5-29-90, 48-93	Q

QML STATUS: FULL QML CERIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
1.0 um & 0.8 um CMOS, 1.5 um HMOS III	Microprocessors, Peripherals

DESIGN CENTER(S)

LOCATION: Santa Clara CA
LINE: STD Products
FLOW: Products

MASK DEVELOPMENT CENTER(S)

LOCATION: Santa Clara CA
LINE: STD Products
FLOW: Products

WAFER FABRICATION OPERATION(S)

LOCATION: Rio Rancho NM
LINE: FAB 9
FLOW: CMOS IV, P648

LOCATION: Rio Rancho NM
LINE: FAB 9
FLOW: CMOS V, P650

LOCATION: Rio Rancho NM
LINE: FAB 7
FLOW: Process 620 CMOS IV 0.8 um

LOCATION: Chandler AZ
LINE: FAB 6
FLOW: Process 617 Old JAN Line

ASSEMBLY OPERATION(S)

LOCATION: Chandler AZ ASSEMBLY CODE: USA
LINE: A-4
FLOW: 15-081

LOCATION: Manila Philippines ASSEMBLY CODE: PHILIPPINES
LINE: A-2
FLOW: 15-081

LOCATION: Penang Malaysia ASSEMBLY CODE: MALAY
LINE: A-1
FLOW: 15-081

ELECTRICAL TEST OPERATION(S)

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Intel Corporation 5000 W Chandler Blvd Chandler AZ 85226-4702	34649	CECC	N/A

CONTACT	TEST REPORT	CLASS
Greg Mather (602) 554-8450	5-29-90, 48-93	Q

QML STATUS: FULL QML CERIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
1.0 um & 0.8 um CMOS, 1.5 um HMOS III	Microprocessors, Peripherals

LOCATION: Chandler AZ
LINE: T-7
FLOW: 95-XXXX

LOCATION: Aloha OR
LINE: T-16
FLOW: 95-XXXX

LOCATION: Manila Philippines
LINE: T-9
FLOW: 89-0065-0258

LOCATION: Penang Malaysia
LINE: T-3
FLOW: 89-0065-0258

ENVIROMENTAL TEST OPERATION(S)

LOCATION: Chandler AZ
LINE: T-Mil/Associated with T-7
FLOW: 89-0065-0258

LOCATION: Manila Philippines
LINE: Enviromental Lab, T-9
FLOW: 89-0065-0258

LOCATION: Penang Malaysia
LINE: T-3
FLOW: 89-0065-0258

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE	68-196	18-48		28-44	
MATRIX SIZE			68-208		
LEAD FINISH	SOLDER	SOLDER	SOLDER	SOLDER	
LEAD PITCH	25-50 MIL	300-600 MIL	100 MIL	50 MIL	

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Linfinity 11861 Western Ave Garden Grove CA 92641-2119	34333	CESD	N/A

CONTACT	TEST REPORT	CLASS
Tim Miller (714) 898-8121	EQC-93-620	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar	Regulators, Op Amps, Comparators, Sense Amps, Drivers, Transistor Arrays

DESIGN CENTER(S)

LOCATION: Garden Grove CA
LINE: Linear
FLOW: Contact Manufacturer

MASK DEVELOPMENT CENTER(S)

LOCATION: Garden Grove CA
LINE: Linear
FLOW: Contact Manufacturer

WAFER FABRICATION OPERATION(S)

LOCATION: Garden Grove CA
LINE: Linear
FLOW: SGM5900

ASSEMBLY OPERATION(S)

LOCATION: Garden Grove CA ASSEMBLY CODE: USA
LINE: Linear
FLOW: SGM5901, SGM5902

LOCATION: Philippines (PSI) ASSEMBLY CODE: PHIL
LINE: Linear
FLOW: SGM5901, SGM5902

ELECTRICAL TEST OPERATION(S)

LOCATION: Garden Grove CA
LINE: Linear
FLOW: SGM5901, SGM5902

ENVIROMENTAL TEST OPERATION(S)

LOCATION: Garden Grove CA
LINE: Linear
FLOW: SGM5901, SGM5902

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Linfinity 1861 Western Ave arden Grove CA 92641-2119	34333	CESD	N/A

CONTACT	TEST REPORT	CLASS
Tim Miller (714) 898-8121	EQC-93-620	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar	Regulators, Op Amps, Comparators, Sense Amps, Drivers, Transistor Arrays

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE	10-24	8-18		20	3-12
MATRIX SIZE					
LEAD FINISH	Solder	Solder		Solder	Solder
LEAD PITCH	30-50 MIL	100 MIL		50 MIL	

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Linfinity 11861 Western Ave Garden Grove CA 92641-2119	34333	CESD	N/A

CONTACT	TEST REPORT	CLASS
Tim Miller (714) 898-8121	EQC-93-620	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar	Regulators, Op Amps, Comparators, Sense Amps, Drivers, Transistor Arrays

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE	10-24	8-18		20	3-12
MATRIX SIZE					
LEAD FINISH	Solder	Solder		Solder	Solder
LEAD PITCH	30-50 MIL	100 MIL		50 MIL	

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Motorola, Inc 2100 E Elliot Rd Tempe AZ 85284-1801	04713	CGG	N/A

CONTACT	TEST REPORT	CLASS
Doug Max (602) 897-3733	EQC-93-288	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, Linear, FAST, HCMOS, HMOS, ECL	Standard Products, Logic, Gate Array, Memory, and Microprocessors

DESIGN CENTER(S)

LOCATION: Oakhill TX
LINE: Oakhill (DSP, RISC, MPU(MOS3/5/8))Design
FLOW: 12MSE90033W, 12MRE10037W, 12MSD10196W, 12EQSP203

LOCATION: Mesa AZ
LINE: Mesa (BP2) Design
FLOW: Design Manual for MOSAIC 1

LOCATION: Mesa AZ
LINE: Mesa (BP3) Design
FLOW: Design Manual for MOSAIC 1, 1.5, and III

LOCATION: Mesa AZ
LINE: Mesa (MOS2) Design
FLOW: 12MSD15783W

LOCATION: Chandler AZ
LINE: ASIC H4C Design
FLOW: Contact Manufacturer

LOCATION: Austin TX
LINE: Austin (SRAM (MOS8)) Design
FLOW: 12MSE90033W

LOCATION: Mesa AZ
LINE: Mesa (BP1) Design
FLOW: BP1 Design Manual

MASK DEVELOPMENT CENTER(S)

LOCATION: Contact Manufacturer
LINE:
FLOW:

WAFER FABRICATION OPERATION(S)

LOCATION: Mesa AZ
LINE: BP1, BP2, BP3, MOS5, MOS6
FLOW: Contact Manufacturer

LOCATION: Austin TX
LINE: MOS2(Module A),MOS3(Module I),MOS8(B-1)
FLOW: Contact Manufacturer

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Motorola, Inc 2100 E Elliot Rd Tempe AZ 85284-1801	04713	CGG	N/A

CONTACT	TEST REPORT	CLASS
Doug Max (602) 897-3733	EQC-93-288	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, Linear, FAST, HCMOS, HMOS, ECL	Standard Products, Logic, Gate Array, Memory, and Microprocessors

ASSEMBLY OPERATION(S)

LOCATION: Tempe AZ **ASSEMBLY CODE:** Y
LINE: MPO Assembly
FLOW: 70ASM45992A, 70ASM51721A, 70ASM92046A

LOCATION: Selangor Malaysia **ASSEMBLY CODE:** Q
LINE: KLM Assembly
FLOW: 12MSQ20113A, 12MSQ20114A, 12MSQ20117A, 12MSQ20118A, 12MS20131A

LOCATION: Seoul Korea **ASSEMBLY CODE:** K
LINE: MKL Assembly
FLOW: 12MSK21602A

LOCATION: Richardson TX **ASSEMBLY CODE:** BA
LINE: VLSI Assembly
FLOW: 100-00-103

ELECTRICAL TEST OPERATION(S)

LOCATION: Tempe AZ
LINE: MPO Test
FLOW: 70ASY77474A, 12MRM25838A

LOCATION: Selangor Malaysia
LINE: KLM Test
FLOW: 12MSQ30224A, 12MRM25838A

LOCATION: Seoul Korea
LINE: MLK Test
FLOW: 12MSK35002A, 12MRM25838A

ENVIROMENTAL TEST OPERATION(S)

LOCATION: Tempe AZ
LINE: MPO Screening/QCI
FLOW: 70ASY77474A, 12MRM25838A

LOCATION: Selangor Malaysia
LINE: KLM Screening/QCI
FLOW: 12MSQ30224A, 12MRM25838A

LOCATION: Seoul Korea
LINE: MLK Screening/QCI
FLOW: 12MSK35002A, 12MRM25838A

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Motorola, Inc 2100 E Elliot Rd Tempe AZ 85284-1801	04713	CGG	N/A

CONTACT	TEST REPORT	CLASS
Doug Max (602) 897-3733	EQC-93-288	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, Linear, FAST, HCMOS, HMOS, ECL	Standard Products, Logic, Gate Array, Memory, and Microprocessors

LOCATION: Richardson TX
LINE: VLSI Test
FLOW: 100-00-103

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE	14-28	8-64		20-132	8/10
MATRIX SIZE			10X10/20X20		
LEAD FINISH	SOLDER/GOLD	SOLDER	SOLDER/GOLD	SOLDER/GOLD	SOLDER
LEAD PITCH	50 MIL	100 MIL	100 MIL	25-50 MIL	45/36 DEGREE

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
National Semiconductor Corporation 2900 Semiconductor Drive Santa Clara CA 95052-8090	27014	CCXP	100 K

CONTACT	TEST REPORT	CLASS
Susan Davis (408) 721-3161	EQC-93-483	Q AND V

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, Linear, and CMOS	Standard Product, Logic, Memory, Interface, and Gate Array

DESIGN CENTER(S)

LOCATION: Santa Clara CA
LINE: National Design
FLOW: Contact Manufacturer

LOCATION: Arlington TX
LINE: National Design
FLOW: Contact Manufacturer

LOCATION: South Portland ME
LINE: National Design
FLOW: Contact Manufacturer

LOCATION: D-8080 Furstenfeldbruck Germany
LINE: National Design
FLOW: Contact Manufacturer

LOCATION: 3-14-29 Takada 171 Japan
LINE: National Design
FLOW: Contact Manufacturer

LOCATION: Greenock Scotland
LINE: National Design
FLOW: Contact Manufacturer

MASK DEVELOPMENT CENTER(S)

LOCATION: Dupont Komomo IN
LINE: Dupont Mask
FLOW: Contact Manufacturer

LOCATION: Phontronics Danbury CT
LINE: Photronics Mask
FLOW: Contact Manufacturer

LOCATION: Dupont Rousset France
LINE: Dupont Mask
FLOW: Contact Manufacturer

WAFER FABRICATION OPERATION(S)

LOCATION: Santa Clara CA
LINE: 5" Linear
FLOW: PS-4005-ALIC, PS-FLCH-CLIC

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
National Semiconductor Corporation 2900 Semiconductor Drive Santa Clara CA 95052-8090	27014	CCXP	100 K

CONTACT	TEST REPORT	CLASS
Susan Davis (408) 721-3161	EQC-93-483	Q AND V

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, Linear, and CMOS	Standard Product, Logic, Memory, Interface, and Gate Array

LOCATION: West Jordan UT
LINE: MOS 3
FLOW: SL-RC-3901-MOS3

LOCATION: South Portland ME
LINE: Bipolar Fab 1
FLOW: SP-17275, -17276, -17504, -17529, -17528, -17467

LOCATION: South Portland ME
LINE: 5" CMOS FACT Line
FLOW: SP-19101

LOCATION: Arlington TX
LINE: CMOS 1
FLOW: Contact Manufacturer

LOCATION: Dupont Santa Clara CA
LINE: Dupont Mask
FLOW: Contact Manufacturer

LOCATION: Greenock Scotland
LINE: (UK)PS-4475-MOS1
FLOW: (UK)PS-1000-ELIC4, (UK)PS-5179-MOSA

ASSEMBLY OPERATION(S)

LOCATION: South Portland ME ASSEMBLY CODE: Z
LINE: National S. Portland Assembly
FLOW: SP-16080, SP-16426

LOCATION: Singapore ASSEMBLY CODE: S
LINE: National Singapore Assembly
FLOW: (SG)FC-AS-001, (SG)FC/AS-0018-G

LOCATION: Exchange OFS Philippines ASSEMBLY CODE: H
LINE: Team Pacific Assembly
FLOW: (PH)FC-AS-7000-G

LOCATION: Malacca Malayasia ASSEMBLY CODE: M
LINE: National Malacca Assembly
FLOW: (EM)FC/AS-5000-M/A, (EM)FC/AS-2200-M/A

ELECTRICAL TEST OPERATION(S)

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
National Semiconductor Corporation 2900 Semiconductor Drive Santa Clara CA 95052-8090	27014	CCXP	100 K

CONTACT	TEST REPORT	CLASS
Susan Davis (408) 721-3161	EQC-93-483	Q AND V

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, Linear, and CMOS	Standard Product, Logic, Memory, Interface, and Gate Array

LOCATION: Santa Clara CA
LINE: National Santa Clara
FLOW: FC/TS-0021-ASIC

LOCATION: South Portland ME
LINE: National S. Portland Electrical
FLOW: SP-33092

LOCATION: Singapore
LINE: National Singapore Electrical Test
FLOW: (SG)FC/TS-1000-M/A, (SG)FC/TS-5003-G, (SG)FC/TS-5001-G

ENVIROMENTAL TEST OPERATION(S)

LOCATION: South Portland ME
LINE: National S. Portland Environmental
FLOW: SP-33092

LOCATION: Singapore
LINE: National Singapore Environmental
FLOW: (SG)FC/AS-0901-M/A, (SG)FC/AS-0001-M/A

LOCATION: Exchange OFS Philippines
LINE: Team Pacific Environmental
FLOW: (PH)FC-AS-7000-G, (PH)FC-AS-8000-G

LOCATION: Santa Clara CA
LINE: Santa Clara Enviromental
FLOW: Per Lot traveler

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE	10-256	8-52		20-84	2-15
MATRIX SIZE			8X8/21X21		
LEAD FINISH	GOLD/SOLDER	GOLD/SOLDER	GOLD	SOLDER DIP	GOLD/SOLDER
LEAD PITCH	20-50 MIL	100 MIL	100 MIL	50 MIL	100-600 MIL

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Siliconix 2201 Laurelwood Road Santa Clara CA 95056-0951	17856	CDBN	N/A

CONTACT	TEST REPORT	CLASS
Liz Korntved (408) 970-5260	EQC-94-030A	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, Metal Gate II, Silicon Gate I, CDMOS	Analog Switches

DESIGN CENTER(S)

LOCATION: Santa Clara CA
LINE: Design
FLOW: 4149

MASK DEVELOPMENT CENTER(S)

LOCATION: Santa Clara CA
LINE: Mask
FLOW: 4016

WAFER FABRICATION OPERATION(S)

LOCATION: Santa Clara CA
LINE: Fab II
FLOW: CC-8-0010, CC-8-0041, CC-8-0002, CC-8-0028, CC-8-0012, CC-8-0027, CC-8-0040

LOCATION: Santa Clara CA
LINE: Fab III
FLOW: CC-8-0036

ASSEMBLY OPERATION(S)

LOCATION: Dynesem, Manila Philippines ASSEMBLY CODE: K
LINE: Assembly
FLOW: PF-S-0005

LOCATION: Santa Clara CA ASSEMBLY CODE: S
LINE: Assembly
FLOW: PF-S-0005

ELECTRICAL TEST OPERATION(S)

LOCATION: Santa Clara CA
LINE: Electrical Test
FLOW: PF-S-0005

LOCATION: Siliconix Manila Philippines
LINE: Electrical Test
FLOW: PF-S-0005

ENVIROMENTAL TEST OPERATION(S)

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Siliconix 2201 Laurelwood Road Santa Clara CA 95056-0951	17856	CDBN	N/A

CONTACT	TEST REPORT	CLASS
Liz Korntved (408) 970-5260	EQC-94-030A	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, Metal Gate II, Silicon Gate I, CDMOS	Analog Switches

LOCATION: Dynesem, Manila Philippines
LINE: Environmental
FLOW: PF-S-0005

LOCATION: Santa Clara CA
LINE: Environmental
FLOW: PF-S-0005

LOCATION: Siliconix Manila Philippines
LINE: Environmental
FLOW: PF-S-0005

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE	14-16	8-28		20	10
MATRIX SIZE					
LEAD FINISH	Gold/Solder	Solder/Gold		Gold/Solder	Gold/Solder
LEAD PITCH					

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Texas Instruments PO BOX 60448 MIDLAND TX 79711-0448	01295	CGO	N/A

CONTACT	TEST REPORT	CLASS
STEVE MILLER (915) 561-6614	62-92, 63-92 64-92, 65-92, 66-92, 67-92	Q

QML STATUS: FULL QML CERIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, Linear, and CMOS	Standard Product, Logic, and Memory

DESIGN CENTER(S)

LOCATION: Sherman TX
LINE: SGPL Design
FLOW: 07-004-3164 AS/ALS Design Rules

LOCATION: Sherman TX
LINE: SGPL Design
FLOW: 07-003-0387 low Power Schottky TTl Layout Rules

LOCATION: Sherman TX
LINE: SGPL Design
FLOW: ALS Design Rules Version 1.5S

LOCATION: Sherman TX
LINE: SGPL Design
FLOW: 74HC N-EPI 3/3 Twin-Well Layout Rules for MPA

LOCATION: Sherman TX
LINE: SGPL Design
FLOW: 07-0004-3582 Digital Circuits Logic Schottky TTL

LOCATION: Sherman TX
LINE: SGPL Design
FLOW: 07-0004-3281 Digital Bipolar Standard TTL Rules

LOCATION: Dallas TX
LINE: Linear Design
FLOW: 07-0005-1707 Linear Bipolar Design Manual

LOCATION: Dallas TX
LINE: Programmable Logic Design
FLOW: Design Rules for IMPACTX Ver AD, and IMPACT Ver Q

MASK DEVELOPMENT CENTER(S)

LOCATION: Dallas TX
LINE: Toppan
FLOW: 07-0003-7955, 07-0004-3165

WAFER FABRICATION OPERATION(S)

LOCATION: Sherman TX
LINE: SGPL
FLOW: 2-0488BL

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
Texas Instruments PO BOX 60448 MIDLAND TX 79711-0448	01295	CGO	N/A

CONTACT	TEST REPORT	CLASS
STEVE MILLER (915) 561-6614	62-92, 63-92 64-92, 65-92, 66-92, 67-92	Q

QML STATUS: FULL QML CERIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
Bipolar, Linear, and CMOS	Standard Product, Logic, and Memory

LOCATION: Dallas TX
LINE: DLIN
FLOW: Contact Manufacturer

LOCATION: Dallas TX
LINE: DLOG
FLOW: 8851JAN359

LOCATION: Houston TX
LINE: HFAB
FLOW: Q86-71510

ASSEMBLY OPERATION(S)

LOCATION: Taipei Taiwan ASSEMBLY CODE: TAIWAN
LINE: Special Products Assembly
FLOW: 07-0012-2222

ELECTRICAL TEST OPERATION(S)

LOCATION: Taipei Taiwan
LINE: Special Products Test
FLOW: 07-0012-2222

ENVIROMENTAL TEST OPERATION(S)

LOCATION: Taipei Taiwan
LINE: Special Products Assembly
FLOW: 07-0012-2222

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE	14-24	8-24		20	
MATRIX SIZE					
LEAD FINISH	SOLDER	SOLDER		SOLDER	
LEAD PITCH					

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
United Technologies 1575 Garden of the Gods RD Colorado Springs CO 80907-3486	65342		1 Meg

CONTACT	TEST REPORT	CLASS
Myles Standish (719) 594-8000	EQC-93-652	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
1.5um and 1.2um CMOS	Memory, CMOS Gate Array, Linear Bipolar

DESIGN CENTER(S)

LOCATION: Colorado Springs CO
LINE: CMOS Gate Arry
FLOW: 63202 Rev A

MASK DEVELOPMENT CENTER(S)

LOCATION: Colorado Springs CO
LINE: CMOS Gate Array
FLOW: 63003 Rev M

WAFER FABRICATION OPERATION(S)

LOCATION: Colorado Springs CO
LINE: CMOS Gate Array 1.5 & 1.2
FLOW: 141280/121260 1.2 um; 14101/14102 1.5 um

LOCATION: Colorado Springs CO
LINE: Memory
FLOW: 141210 Memory

LOCATION: Colorado Springs CO
LINE: Linear Bipolar
FLOW: 140750/140760 Linear Bipolar

ASSEMBLY OPERATION(S)

LOCATION: Colorado Springs CO ASSEMBLY CODE: USA
LINE: CMOS Gate Array
FLOW: 30503/01 Rev A (Class Q); 30503/02 Rev A (Class V)

ELECTRICAL TEST OPERATION(S)

LOCATION: Colorado Springs CO
LINE: CMOS Gate Array
FLOW: 30503/01 Rev A (Class Q); 30503/02 Rev A (Class V)

ENVIROMENTAL TEST OPERATION(S)

LOCATION: Colorado Springs CO
LINE: CMOS Gate Array
FLOW: 30503/01 Rev A (Class Q); 30503/02 Rev A (Class V)

MANUFACTURER 1/	CAGE CODE	SYMBOL CODE	RAD HARD LEVEL
United Technologies 1575 Garden of the Gods RD Colorado Springs CO 80907-3486	65342		1 Meg

CONTACT	TEST REPORT	CLASS
Myles Standish (719) 594-8000	EQC-93-652	Q

QML STATUS: TRANSITIONAL QML CERTIFICATION/QUALIFICATION

TECHNOLOGY	PRODUCT TYPE(S)
1.5um and 1.2um CMOS	Memory, CMOS Gate Array, Linear Bipolar

PACKAGE INFORMATION 2/

TYPE	FLAT PACK	DIP	PGA	CHIP CARRIER	METAL CAN
LEAD RANGE	28-304	24-40			
MATRIX SIZE			8X8/18X18		
LEAD FINISH	SOLDER/GOLD	SOLDER/DIP	SOLDER/GOLD		
LEAD PITCH	20-50 MIL	50-100 MIL	100 MIL		

SPECIFIC PRODUCT TYPES

See TABLE I and TABLE II for specific product infomation.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-3812801M2A	1	AD584SE/883B	VOLT. REFERENCE, PROGRAMMABLE	ANALOG DEVICES
5962-3812802M2A	1	AD584TE/883B	VOLT. REFERENCE, PROGRAMMABLE	ANALOG DEVICES
5962-3829407MXA	1(0)	6264C-70/BXAJC	STATIC RAM, 8K X 8, 70 NS ACCESS TIME	MOTOROLA
5962-3829407MYA	1(0)	6264C-70/BYAJC	STATIC RAM, 8K X 8, 70 NS ACCESS TIME	MOTOROLA
5962-3829409MYA	1(0)	6264C-55/BYAJC	STATIC RAM, 8K X 8, 55 NS ACCESS TIME	MOTOROLA
5962-3829409MXA	1(0)	6264C-55/BXAJC	STATIC RAM, 8K X 8, 55 NS ACCESS TIME	MOTOROLA
5962-3829411MXA	1(0)	6264C-45/BXAJC	STATIC RAM, 8K X 8, 45 NS ACCESS TIME	MOTOROLA
5962-3829413MXA	1(0)	6264C-35/BXAJC	STATIC RAM, 8K X 8, 35 NS ACCESS TIME	MOTOROLA
5962H3829435SXC	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829435BXA	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829435SNC	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829435BXC	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829435SNA	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829435BNC	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829435BNA	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829435SXA	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829436SXC	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829436SXA	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829436BNC	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829436BNA	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829436BXC	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829436BXA	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829436SNC	2(2)	UT6717685	STATIC RAM, 8K X 8, 70 NS ACCESS TIME	UTMC
5962H3829436SNA	2(2)	UT6717685	STATIC RAM, 8K X 8, 70 NS ACCESS TIME	UTMC
5962H3829437BXC	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829437BNC	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829437BXA	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829437BNA	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829437SXC	2(2)	UT6717685	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
5962H3829437SNC	2(2)	UT6717685	STATIC RAM, 8K X 8, 55 NS ACCESS TIME	UTMC
5962H3829437SNA	2(2)	UT6717685	STATIC RAM, 8K X 8, 55 NS ACCESS TIME	UTMC
5962H3829437SXA	2(2)	UT6717685	STATIC RAM, 8K X 8, 55 NS ACCESS TIME	UTMC
5962H3829438Q9X	3	HC6364/1XQHBT	STATIC RAM, 8K X 8	HONEYWELL
5962H3829438V9X	3	HC6364/1XVHBT	STATIC RAM, 8K X 8	HONEYWELL
5962H3829440Q9X	3	HC6364/1XQHBC	STATIC RAM, 8K X 8	HONEYWELL
5962H3829440V9X	3	HC6364/1XVHBC	STATIC RAM, 8K X 8	HONEYWELL
5962H3829442Q9X	3	HC6364/1XQHCT	STATIC RAM, 8K X 8	HONEYWELL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962H3829442V9X	3	HC6364/1XVHCT	STATIC RAM, 8K X 8	HONEYWELL
5962H3829443V9X	3	HC6364/1XVHCC	STATIC RAM, 8K X 8	HONEYWELL
5962H3829443Q9X	3	HC6364/1XQHCC	STATIC RAM, 8K X 8	HONEYWELL
5962H3829444V8X	1	IBM6408C-V55X	STATIC RAM, 8K X 8	IBM
5962H3829444Q8X	1	IBM6408C-Q55X	STATIC RAM, 8K X 8	IBM
5962-3870501MPA	1	LP2951J/883	VOLT. REGULATOR, ADJ.	NATIONAL
5962-3870501MGA	1	LP2951H/883	VOLT. REGULATOR, ADJ.	NATIONAL
5962-3870501M2A	1	LP2951E/883	VOLT. REGULATOR, ADJ.	NATIONAL
7600201EA	1	54LS157/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
76002012A	2(2)	54LS157	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
76002012A	1(0)	54LS157M/B2AJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
7600201FA	2(2)	54LS157	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
7600201FA	1(0)	54LS157/BFAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
7600301CA	1(0)	54LS122/BCAJC	MULTIVIBRATOR, MONOSTABLE RETRIGGERABLE, WITH CLEAR	MOTOROLA
7600401DA	1(1)	54LS132	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	T.I.
7600401CA	1(1)	54LS132	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	T.I.
7600501FA	1(0)	54LS138/BFAJC	DECODER, 3-TO-8-LINE	MOTOROLA
7600501FA	1(1)	54LS138	DECODER, 3-TO-8-LINE	T.I.
76005012A	1(1)	54LS138	DECODER, 3-TO-8-LINE	T.I.
7600501EA	1(0)	54LS138/BEAJC	DECODER, 3-TO-8-LINE	MOTOROLA
7600501EA	1(1)	54LS138	DECODER, 3-TO-8-LINE	T.I.
76005012A	1(0)	54LS138M/B2AJC	DECODER, 3-TO-8-LINE	MOTOROLA
7600601FA	3(4)	54LS193	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
7600601EA	3(4)	54LS193	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
7600601EA	1(0)	54LS193/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	MOTOROLA
76006012A	3(4)	54LS193	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
7600701FA	1	54LS139/BFAJC	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
7600701FA	1(1)	54LS139A	DECODER, DUAL 2-TO-4-LINE	T.I.
76007012A	1	54LS139M/B2AJC	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
76007012A	1(1)	54LS139A	DECODER, DUAL 2-TO-4-LINE	T.I.
7600701EA	1(1)	54LS139A	DECODER, DUAL 2-TO-4-LINE	T.I.
7600701EA	1	54LS139/BEAJC	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
7600801FA	3(4)	54LS161A	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
7600801FA	1(0)	54LS161A/BFAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
76008012A	3(4)	54LS161A	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
7600801EA	1(0)	54LS161A/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
7600801EA	3(4)	54LS161A	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
76009012A	3(4)	54LS191	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	T.I.
7600901EA	3(4)	54LS191	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	T.I.
7600901FA	3(4)	54LS191	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	T.I.
7600901EA	1(0)	54LS191/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	MOTOROLA
7601001FA	1(<2)	54LS151	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
7601001EA	1(<2)	54LS151	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
76010012A	1(<2)	54LS151	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
76011012A	1(1)	54LS153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
7601101EA	1(1)	54LS153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
7601101EA	1(0)	54LS153/BEAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
7601101FA	1(1)	54LS153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
7601201FA	1(0)	54LS75/BFAJC	LATCH, 4-BIT, BISTABLE	MOTOROLA
7601201EA	1(1)	54LS75	LATCH, 4-BIT, BISTABLE	T.I.
7601201FA	1(1)	54LS75	LATCH, 4-BIT, BISTABLE	T.I.
7601201EA	1(0)	54LS75/BEAJC	LATCH, 4-BIT, BISTABLE	MOTOROLA
7601301EA	1(<2)	54LS76A	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	T.I.
7601301FA	1(<2)	54LS76A	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	T.I.
76013012A	1(<2)	54LS76A	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	T.I.
7601401FA	1(.5)	54LS83A	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
7601401EA	1(.5)	54LS83A	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
7601501CA	1(1)	54LS197	DECADE/BINARY COUNTER, PRESETTABLE, 50/30-MHZ	T.I.
7601501DA	1(1)	54LS197	DECADE/BINARY COUNTER, PRESETTABLE, 50/30-MHZ	T.I.
7601601EA	1(<2)	54LS251	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
7601601EA	1(0)	54LS251/BEAJC	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
7601601FA	1(<2)	54LS251	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
7601701FA	1(<2)	54LS253	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
7601701EA	1(<2)	54LS253	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
7601701EA	1(0)	54LS253/BEAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
76018012A	1(.5)	54LS279A	LATCH, RS, 4-BIT	T.I.
7601801EA	1(.5)	54LS279A	LATCH, RS, 4-BIT	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
7601801FA	1(.5)	54LS279A	LATCH, RS, 4-BIT	T.I.
7601801EA	1(0)	54LS279/BEAJC	LATCH, RS, 4-BIT	MOTOROLA
76018012A	1(0)	54LS279M/B2AJC	LATCH, RS, 4-BIT	MOTOROLA
7601901FA	1(0)	54LS298/BFAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	MOTOROLA
7601901EA	1(0)	54LS298/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	MOTOROLA
7601901FA	1(.5)	54LS298	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	T.I.
7601901EA	1(.5)	54LS298	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	T.I.
7602001DA	1(<2)	54LS26	NAND GATE, QUAD 2-INPUT, HIGH-VOLTAGE, WITH OPEN-COLLECTOR OUTPUTS	T.I.
7602001CA	1(<2)	54LS26	NAND GATE, QUAD 2-INPUT, HIGH-VOLTAGE, WITH OPEN-COLLECTOR OUTPUTS	T.I.
7603101EA	1(0)	54LS42A/BEAJC	DECODER, BCD-TO-DECIMAL	MOTOROLA
76031012A	1(1)	54LS42	DECODER, BCD-TO-DECIMAL	T.I.
7603101FA	1(1)	54LS42	DECODER, BCD-TO-DECIMAL	T.I.
7603101EA	1(1)	54LS42	DECODER, BCD-TO-DECIMAL	T.I.
7603201CA	1(<2)	54LS90	DECADE COUNTER, 4-BIT	T.I.
7603201DA	1(<2)	54LS90	DECADE COUNTER, 4-BIT	T.I.
7603301EA	1(1)	54LS158	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	T.I.
7603301EA	1(0)	54LS158/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	MOTOROLA
76033012A	1(1)	54LS158	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	T.I.
7603301FA	1(1)	54LS158	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	T.I.
7603401EA	2(2)	54LS163A	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
76034012A	1(0)	54LS163AM/B2AJC	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
7603401FA	2(2)	54LS163A	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
7603401FA	1(0)	54LS163A/BFAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
7603401EA	1(0)	54LS163A/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
76035012A	2(2)	54LS190	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH MODE CONTROL	T.I.
7603501FA	2(2)	54LS190	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH MODE CONTROL	T.I.
7603501EA	2(2)	54LS190	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH MODE CONTROL	T.I.
76036012A	2(2)	54LS192	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH CLEAR ENABLE	T.I.
7603601EA	1(0)	54LS192/BEAJC	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH CLEAR ENABLE	MOTOROLA
7603601FA	2(2)	54LS192	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH CLEAR ENABLE	T.I.
7603601EA	2(2)	54LS192	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			CLEAR ENABLE	
7603701EA	3(4)	54LS257B	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	T.I.
7603701FA	3(4)	54LS257B	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	T.I.
7603701EA	1(0)	54LS257/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	MOTOROLA
76038012A	2(2)	54LS258B	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	T.I.
7603801FA	2(2)	54LS258B	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	T.I.
7603801EA	1(0)	54LS258A/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	MOTOROLA
7603901EA	1(1)	54LS123	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	T.I.
7603901FA	1(1)	54LS123	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	T.I.
7603901EA	1(0)	54LS123/BEAJC	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	MOTOROLA
7603901FA	1(0)	54LS123/BFAJC	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	MOTOROLA
7604001EA	1(<.5)	54S194	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
7604001FA	1(<.5)	54S194	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
7604101EA	1(<2)	54S138	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
76041012A	1(<2)	54S138	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
7604101FA	1(<2)	54S138	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
7604201EA	1(0)	54LS221/BEAJC	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	MOTOROLA
7604301FA	1(.5)	54LS283	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
76043012A	1(.5)	54LS283	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
7604301EA	1(0)	54LS283/BEAJC	ADDER, 4-BIT FULL, WITH FAST CARRY	MOTOROLA
7604301EA	1(.5)	54LS283	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
7604501EA	1(<2)	54LS47	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
7604501FA	1(<2)	54LS47	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
7604501EA	1(0)	54LS47/BEAJC	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
7700101DA	1(<2)	54LS93	DECADE COUNTER, 4-BIT	T.I.
7700101CA	1(<2)	54LS93	DECADE COUNTER, 4-BIT	T.I.
7700401FA	1(1)	54S139	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE	T.I.
7700401EA	1(1)	54S139	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE	T.I.
7700601EA	1(0)	54LS165/BEAJC	SHIFT REGISTER, 8-BIT PARALLEL LOAD	MOTOROLA
7700601EA	1(<2)	54LS165A	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
7700601FA	1(0)	54LS165/BFAJC	SHIFT REGISTER, 8-BIT PARALLEL LOAD	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
7700601FA	1(<2)	54LS165A	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
7700801CA	1(<.5)	LM139	VOLT. COMPARATOR, QUAD	T.I.
7700801DA	1(<.5)	LM139	VOLT. COMPARATOR, QUAD	T.I.
77008012A	1(<.5)	LM139	VOLT. COMPARATOR, QUAD	T.I.
7700901EA	1(0)	54LS160A/BEAJC	DECADE COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
7700901EA	2(2)	54LS160A	DECADE COUNTER, 4-BIT SYNCHRONOUS	T.I.
7700901FA	2(2)	54LS160A	DECADE COUNTER, 4-BIT SYNCHRONOUS	T.I.
7701001CA	1(1)	54LS196	DECADE/BINARY COUNTER, 4-BIT PRESETTABLE, 30 MHZ	T.I.
7701001DA	1(1)	54LS196	DECADE/BINARY COUNTER, 4-BIT PRESETTABLE, 30 MHZ	T.I.
7701001ZA	1(1)	54LS196	DECADE/BINARY COUNTER, 4-BIT PRESETTABLE, 30 MHZ	T.I.
7702001EA	1(0)	14502B/BEAJC	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	MOTOROLA
7702002EA	2	DC4502BF3A		HARRIS
7702301EA		CD4520BF3A	BINARY COUNTER, DUAL UP/DOWN	HARRIS
7702401CA	1(0)	14081B/BCAJC	AND GATE, QUAD 2-INPUT	MOTOROLA
7702402CA		CD4081BF3A	AND GATE, QUAD 2-INPUT	HARRIS
7702501EA		CD4094BF3A	SHIFT REGISTER/LATCH, 8-STAGE, 3-STATE OUTPUTS	HARRIS
7702801XA	3	103-1.8Z	VOLT. REFERENCE, 1.8V	LINFINITY
7702805XA	3	103-2.7Z	VOLT. REFERENCE, 2.7V	LINFINITY
7702806XA	3	LM103H-3.0	VOLT. REFERENCE, 3.0V	NATIONAL
7702807XA	3	LM103H-3.3	VOLT. REFERENCE, 3.3V	NATIONAL
7702808XA	3	LM103H-3.6	VOLT. REFERENCE, 3.6V	NATIONAL
7702809XA	3	LM103H-3.9	VOLT. REFERENCE, 3.9V	NATIONAL
7702811XA	3	103-4.7Z	VOLT. REFERENCE, 4.7V	LINFINITY
7703201JA		CD4515BF3A	DECODER, 4-TO-16-LINE, WITH LATCHED INPUTS	HARRIS
7703401XA	1(0)	LM117H/883B	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
7703401XA	3	117T	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
7703401YA	1(0)	LM117K-STEEL/883B	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
77034012A	3	117L	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
7703401ZA	3	117R	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
7703401YA	3	117K	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
7703402YA	3	LM117HVK-STEEL/883	VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE	NATIONAL
7703402XA	1	LM117HVH-STEEL/883	VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE	NATIONAL
77034032A	3	137L	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
7703403XA	1(0)	LM137H/883B	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
7703403UA	3	1371G	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
7703403XA	3	137T	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
7703403YA	3	137K	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
7703403YA	1(0)	LM137K-STEEL/883B	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
7703403ZA	3	137R	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
7703404YA	3	LM137HVK-STEEL/883	VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE	NATIONAL
7703404XA	2	LM137HVH/883	VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE	NATIONAL
7703405ZA	3	117AR	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
7703405UA	3	117AIG	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
7703406UA	3	137AIG	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
7703406YA	3	137AK	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
7703406ZA	3	137AR	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
7703406XA	3	137AT	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
7703601CA	1	MM54C08J/883B	AND GATE, QUAD 2-INPUT	NATIONAL
7703601DA	1	MM54C08W/883	AND GATE, QUAD 2-INPUT	NATIONAL
7703701EA	1	MM54C85J/883	MAGNITUDE COMPARATOR, 4-BIT	NATIONAL
7703701FA	1	MM54C85W/883	MAGNITUDE COMPARATOR, 4-BIT	NATIONAL
7703702EA		CD4585BF3A	MAGNITUDE COMPARATOR, 4-BIT	HARRIS
7704201FA	1(0)	54LS670/BFAJC	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	MOTOROLA
7704201FA	1(1)	54LS670	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	T.I.
7704201EA	1(0)	54LS670/BEAJC	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	MOTOROLA
7704201EA	1(1)	54LS670	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	T.I.
7704301DA	1(<.5)	LM124	OP AMP, QUAD	T.I.
77043012A	1(0)	LM124E/883	OP AMP, QUAD	NATIONAL
77043012A	1(<.5)	LM124	OP AMP, QUAD	T.I.
7704301CA	1(0)	LM124J/883	OP AMP, QUAD	NATIONAL
7704301CA	1(<.5)	LM124	OP AMP, QUAD	T.I.
7704302CA	1(<.5)	LM124A	OP AMP, QUAD	T.I.
77043022A	1	LM124AE/883	OP AMP, QUAD	NATIONAL
77043022A	1(<.5)	LM124A	OP AMP, QUAD	T.I.
7704302CA	1(0)	LM124AJ/883	OP AMP, QUAD	NATIONAL
7704402CA		CD4078BF3A	NOR/OR GATE, 8-INPUT	HARRIS
7704601DA	1	CD4093BMW/883	NAND GATE, QUAD 2-INPUT, WITH SCHMITT TRIGGERS	NATIONAL
7704601CA	1(0)	CD4093BMJ/883	NAND GATE, QUAD 2-INPUT, WITH SCHMITT TRIGGERS	NATIONAL
7704602CA		CD4093BF3A	NAND GATE, QUAD 2-INPUT, WITH SCHMITT TRIGGERS	HARRIS
7704701EA		CD4555BF3A	DECODER/DEMULTIPLEXER, DUAL 1-TO-4-LINE	HARRIS
7704801EA		CD4556BF3A	DECODER/DEMULTIPLEXER, DUAL 1-TO-4-LINE	HARRIS
77049012A	3(4)	55452B	PERIPHERAL DRIVER, DUAL NAND	T.I.
77049012A	1	55452BL	PERIPHERAL DRIVER, DUAL NAND	LINFINITY
7704901PA	3(4)	55452B	PERIPHERAL DRIVER, DUAL NAND	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
7704901PA	1	55452BY	PERIPHERAL DRIVER, DUAL NAND	LINFINITY
7704902PA	1	5451BY	PERIPHERAL DRIVER, DUAL AND	LINFINITY
7704902PA	2(2)	55451B	PERIPHERAL DRIVER, DUAL AND	T.I.
77049022A	1	55451BL	PERIPHERAL DRIVER, DUAL AND	LINFINITY
77049022A	2(2)	55451B	PERIPHERAL DRIVER, DUAL AND	T.I.
7705101CA	1(0)	14073B/BCAJC	AND GATE, TRIPLE 3-INPUT	MOTOROLA
7705102CA	2	CD4073BF3A		HARRIS
7705201EA	1	7705201EA	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	SILICONIX
7705201FA	1	7705201FA	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	SILICONIX
7705201EC		HI1-0508/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS
77052012A		HI4-0508/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS
77052022A		HI4-0548/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL, WITH OVERVOLTAGE PROTECTION	HARRIS
7705202EA		HI1-0548/883		HARRIS
7705301FA	1	7705301FA	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
7705301EA	1	7705301EA	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
77053012A	1	77053012A	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
77053022A		HI4-0201/883	ANALOG SWITCH, SPST, 4-CHANNEL, WITH DIELECTRIC ISOLATION	HARRIS
7705302EA		HI1-0201/883	ANALOG SWITCH, SPST, 4-CHANNEL, WITH DIELECTRIC ISOLATION	HARRIS
7705701RA	1(.5)	54LS244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
7705701SA	1(.5)	54LS244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
7705701SA	1(0)	54LS244/BSAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
7705701RA	1(0)	54LS244/BRAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
7705801EA	1	CD4040BMJ/883	BINARY COUNTER, 12-BIT	NATIONAL
7705901CA	1(0)	14082B/BCAJC	AND GATE, DUAL 4-INPUT	MOTOROLA
7705902CA	2	CD4082BF3A		HARRIS
7706001CA	1(0)	14072B/BCAJC	OR GATE, DUAL 4-INPUT	MOTOROLA
7706002CA	2	CD4072BF3A		HARRIS
7800301GA	3	LM144H/883B	OP AMP, HIGH-VOLTAGE	NATIONAL
7800302GC		HA2-2640/883	OP AMP, HIGH-VOLTAGE	HARRIS
7800302PA		HA -2640/883	OP AMP, HIGH-VOLTAGE	HARRIS
78003022A		HA -2640/883	OP AMP, HIGH-VOLTAGE	HARRIS
7800303XA	1	143T	OP AMP, HIGH-VOLTAGE	LINFINITY
7800303XA	1	LM143H/883B	OP AMP, HIGH-VOLTAGE	NATIONAL
7800303PA	1	143Y	OP AMP, HIGH-VOLTAGE	LINFINITY

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
7800304XA	1	1536T	OP AMP, HIGH-VOLTAGE	LINFINITY
7800304XA	1	LM1536H/883	OP AMP, HIGH-VOLTAGE	NATIONAL
7800304PA	1	1536Y	OP AMP, HIGH-VOLTAGE	LINFINITY
7800701GA	1(0)	LM709H/883B	OP AMP, GENERAL PURPOSE	NATIONAL
7800801GA	3	DS0056H/883	CLOCK DRIVER, MOS, DUAL, WITH VBB CONNECTION	NATIONAL
7800802GA	3	DS0026H/883	CLOCK DRIVER, MOS	NATIONAL
7800802CA	3	DS0026J/883	CLOCK DRIVER, MOS	NATIONAL
7800901FA	1	10516/BFAJC	LINE RECEIVER, TRIPLE DIFFERENTIAL, WITH COMMON RESET	MOTOROLA
7800901EA	1	10516/BEAJC	LINE RECEIVER, TRIPLE DIFFERENTIAL, WITH COMMON RESET	MOTOROLA
78009012A	1	10516M/B2AJC	LINE RECEIVER, TRIPLE DIFFERENTIAL, WITH COMMON RESET	MOTOROLA
78010012A	1(0)	54LS273M/B2AJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
78010012A	1(<2)	54LS273	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
7801001SA	1(0)	54LS273/BSAJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
7801001RA	1 (0)	54LS273/BRAJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
7801001SA	1(<2)	54LS273	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
7801001RA	1(<2)	54LS273	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
7801101RA	1(0)	54LS374/BRAJC	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	MOTOROLA
7801101SA	1(0)	54LS374/BSAJC	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	MOTOROLA
78011012A	1(0)	54LS374M/B2AJC	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	MOTOROLA
7801201RA	1(.5)	54LS240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
78012012A	1(.5)	54LS240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
78012012A	1	54LS240M/B2AJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
7801201RA	1(0)	54LS240/BRAJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
7801201SA	1(.5)	54LS240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
7801401CA	1	7801401CA	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
7801401XA	1	7801401XA		SILICONIX
78020012A	1(0)	26LS32M/B2AJC	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
7802001FA	1(0)	26LS32/BFAJC	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
7802001EA	1(0)	26LS32/BEAJC	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
5962-7802001M2A	1(0)	26LS32M/B2AJC	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
5962-7802001MEA	1(0)	26LS32/BFAJC	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
5962-7802001MFA	1(0)	26LS32/BFAJC	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-7802003MFA	1(0)	AM26LS32A	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
5962-7802003MEA	1(0)	AM26LS32A	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
5962-7802003M2A	1(0)	AM26LS32A	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
5962-7802004MEA	1(0)	AM26LS33A	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
5962-7802004M2A	1(0)	AM26LS33A	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
5962-7802004MFA	1(0)	AM26LS33A	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
5962-7802005M2A	1(0)	DS26F32ME/883	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
5962-7802005MEA	1(0)	DS26F32MJ/883	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
5962-7802005MFA	1(0)	DS26F32MW/883	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
7802301MFA	2	DS26LS31MW/883		NATIONAL
7802301MEA	2	DS26LS31MJ/883		NATIONAL
5962-7802301MFA	1	26LS31/BFAJC	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	MOTOROLA
5962-7802301MEA	1	26LS31/BEAJC	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	MOTOROLA
5962-7802301MFA	2	DS26LS31MW/883	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-7802301M2A	1(0)	26LS31M/B2AJC	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	MOTOROLA
5962-7802301MEA	2	DS26LS31MJ/883	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	NATIONAL
7802301FA	1	26LS31/BFAJC	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	MOTOROLA
78023012A	1(0)	26LS31M/B2AJC	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	MOTOROLA
7802301EA	1	26LS31/BEAJC	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	MOTOROLA
5962-7802302MFA	1(0)	DS26F31MW/883	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-7802302M2A	1(0)	DS26F31ME/883	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-7802302MEA	1(0)	DS26F31MJ/883	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	NATIONAL
78024012A	1(.5)	54LS299	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL	T.I.
7802401RA	1(.5)	54LS299	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL	T.I.
7802401SA	1(.5)	54LS299	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL	T.I.
7802601FA	1(.5)	54LS390	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	T.I.
7802601EA	1(.5)	54LS390	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	T.I.
7802601EA	1(0)	54LS390/BEAJC	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	MOTOROLA
7802701EA	1(<2)	54LS148	PRIORITY ENCODER, 8-LINE-TO-3-LINE	T.I.
78027012A	1(<2)	54LS148	PRIORITY ENCODER, 8-LINE-TO-3-LINE	T.I.
7802701FA	1(<2)	54LS148	PRIORITY ENCODER, 8-LINE-TO-3-LINE	T.I.
7802801EA	1	1524J	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
7802901JA		HD1-15530-8	MANCHESTER ENCODER/DECODER	HARRIS
78029013A		HD4-15530-8	MANCHESTER ENCODER/DECODER	HARRIS
7900801CA	1	DS7820AJ/883	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
7900801CA	1(.5)	55182	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
79008012A	1(.5)	55182	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
7900801DA	1	DS7820AW/883	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
7900801DA	1(.5)	55182	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
7900901CA	2(2)	55183	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
79009012A	2(2)	55183	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
7900901DA	2(2)	55183	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
7901501FA	1	CD4052BMW/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL DIFFERENTIAL	NATIONAL
7901501EA	1(0)	CD4052BMJ/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL DIFFERENTIAL	NATIONAL
7901502EA		CD4052BF3A	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL DIFFERENTIAL	HARRIS
7901601EA	1(0)	14557B/BEAJC	SHIFT REGISTER, 1-TO-64 BIT	MOTOROLA
8001301ZA	1	LH003SG	EXT COMP SINGLE AMP DIFF INPUT SINGLE OUTPUT HIGH SPEED	NATIONAL
8001401ZA	1	LH0033G/883	VOLT. FOLLOWER/BUFFER	NATIONAL
8001601CA		HA1-2420/883	SAMPLE AND HOLD AMPLIFIER	HARRIS
80016012A		HA4-2420/883	SAMPLE AND HOLD AMPLIFIER	HARRIS
8001701EA	1(<2)	54LS166A	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	T.I.
8001701FA	1(0)	54LS166/BFAJC	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	MOTOROLA
8001701EA	1(0)	54LS166/BEAJC	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	MOTOROLA
8001701FA	1(<2)	54LS166A	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	T.I.
80018022A	3(4)	54LS169	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
8001802EA	3(4)	54LS169B	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
8001802FA	3(4)	54LS169B	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
80019012A	1(.5)	54LS09	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
8001901CA	1(.5)	54LS09	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
8001901CA	1(0)	54LS09/BCAJC	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
8001901DA	1(.5)	54LS09	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
8002001DA	1(.5)	54LS242	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3 STATE OUTPUTS	T.I.
8002001CA	1(.5)	54LS242	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	T.I.
8002001CA	1(0)	54LS242/BCAJC	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
80020012A	1(.5)	54LS242	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	T.I.
8002001DA	1	54LS242/BDAJC	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
8002002CA	1(0)	54LS243/BCAJC	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
80020022A	1(0)	54LS243M/B2AJC	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
8002002DA	1(1)	54LS243	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3 STATE OUTPUTS	T.I.
80021012A	1(0)	54LS245M/B2AJC	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
8002101SA	1(0)	54LS245/BSAJC	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
8002101SA	1(1)	54LS245	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
80021012A	1(1)	54LS245	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
80022012A	1(<.5)	54S251	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
8002201EA	1(<.5)	54S251	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
8002201FA	1(<.5)	54S251	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
8002301FA	1(.5)	54S258	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTING 3-STATE OUTPUTS	T.I.
8002301EA	1(.5)	54S258	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTING 3-STATE OUTPUTS	T.I.
8002501EA	1(1)	54LS170	REGISTER FILE, 4 X 4, WITH OPEN-COLLECTOR OUTPUTS	T.I.
8002501FA	1(1)	54LS170	REGISTER FILE, 4 X 4, WITH OPEN-COLLECTOR OUTPUTS	T.I.
8003701GA	1	LM106H/883	VOLT. COMPARATOR, HIGH-SPEED	NATIONAL
8004101EA	1(0)	DS7831J/883B	LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL, W/OUTPUT DIODE CLAMPING	NATIONAL
8004101FA	1	DS7831W/883B	LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL, W/OUTPUT DIODE CLAMPING	NATIONAL
8004102FA	2	DS7832W/883B	LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL	NATIONAL
8004102EA	1(0)	DS7832J/883B	LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL	NATIONAL
5962-8096303M3A	3(4)	TLC32046		T.I.
5962-8096303MXA	3(4)	TLC32046		T.I.
8100604EA		IH5043MJE	ANALOG SWITCH, SPDT, 2-CHANNEL, 75 OHMS	HARRIS
8100609EA		HI1-5040/883	ANALOG SWITCH, SPST, 1-CHANNEL, 75 OHMS	HARRIS
8100610EA		HI1-5041/883	ANALOG SWITCH, SPDT, 2-CHANNEL, 75 OHMS	HARRIS
8100611EA		HI1-5042/883	ANALOG SWITCH, SPDT, 1-CHANNEL, 75 OHMS	HARRIS
8100612EA		HI1-5043/883	ANALOG SWITCH, SPDT, 2-CHANNEL, 30 OHMS	HARRIS
8100613EA		HI1-5044/883	ANALOG SWITCH, DPST, 1-CHANNEL, 30 OHMS	HARRIS
8100614EA		HI1-5045/883	ANALOG SWITCH, DPST, 2-CHANNEL, 75 OHMS	HARRIS
81006142A		HI4-5045/883	ANALOG SWITCH, DPST, 2-CHANNEL, 75 OHMS	HARRIS
8100616EA		HI1-5047/883	ANALOG SWITCH, 4PST, 1-CHANNEL, 75 OHMS	HARRIS
8100617EA		HI1-5046A/883	ANALOG SWITCH, DPDT, 1-CHANNEL, 30 OHMS	HARRIS
8100618EA		HI1-5047A/883	ANALOG SWITCH, 4PST, 1-CHANNEL, 30 OHMS	HARRIS
8100619EA		HI1-5048/883	ANALOG SWITCH, SPST, 2-CHANNEL, 30 OHMS	HARRIS
8100620EA		HI1-5049/883	ANALOG SWITCH, DPST, 2-CHANNEL, 30 OHMS	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
81006202A		HI4-5049/883	ANALOG SWITCH, DPST, 2-CHANNEL, 30 OHMS	HARRIS
8100621EA		HI1-5050/883	ANALOG SWITCH, SPDT, 1-CHANNEL, 30 OHMS	HARRIS
8100622EA		HI1-5051/883	ANALOG SWITCH, SPDT, 2-CHANNEL, 30 OHMS	HARRIS
81006222A		HI4-5051/883	ANALOG SWITCH, SPDT, 2-CHANNEL, 30 OHMS	HARRIS
8101601EA	1	CD4029BMJ/883	BINARY/DECADE COUNTER, 4-BIT PRESETTABLE UP/DOWN	NATIONAL
8101701EA		CD4035BF3A	SHIFT REGISTER, 4-BIT PARALLEL-IN, PARALLEL-OUT	HARRIS
8101801EA		CD4053BF3A	ANALOG MULTIPLEXER/DEMULTIPLEXER, TRIPLE 2-CHANNEL	HARRIS
8101802EA	2	14053B/BEAJC	ANALOG MULTIPLEXER/DEMULTIPLEXER, TRIPLE 2-CHANNEL	MOTOROLA
8101803EA		CD053BMJ/883		NATIONAL
8101803FA		CD4053BMW/883		NATIONAL
8102001CA		CD4047BF3A	MULTIVIBRATOR, MONOSTABLE/ASTABLE	HARRIS
8102002DA	1(0)	CD4047BMW/883	MULTIVIBRATOR. MONOSTABLE/ASTABLE	NATIONAL
8102002CA	1(0)	CD4047BMJ/883	MULTIVIBRATOR, MONOSTABLE/ASTABLE	NATIONAL
8102101EA	1(<.5)	54LS629	OSCILLATOR, VOLTAGE-CONTROLLED, DUAL	T.I.
8102101FA	1(<.5)	54LS629	OSCILLATOR, VOLTAGE-CONTROLLED, DUAL	T.I.
81021012A	1(<.5)	54LS629	OSCILLATOR, VOLTAGE-CONTROLLED, DUAL	T.I.
8102301PA	1(.5)	TL061	OP AMP, BIFET, LOW POWER	T.I.
8102301HA	1(.5)	TL061	OP AMP, BIFET, LOW-POWER	T.I.
81023012A	1(.5)	TL061	OP AMP, BIFET, LOW-POWER	T.I.
8102302PA	2(2)	TL062	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
8102302HA	2(2)	TL062	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
01023022A	2(2)	TL062	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
8102303DA	2(2)	TL064	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
81023032A	2(2)	TL064	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
8102303CA	2(2)	TL064	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
8102304HA	1(0)	TL071	OP AMP, BIFET, LOW-POWER	T.I.
81023042A	1(0)	TL071	OP AMP, BIFET, LOW-POWER	T.I.
8102304PA	1(0)	TL071	OP AMP, BIFET, LOW-POWER	T.I.
8102305PA	2(2)	TL072	OP AMP. DUAL. BI-FET. LOW POWER	T.I.
81023052A	2(2)	TL072	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
8102305HA	2(2)	TL072	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
8102306DA	1(<1)	TL074	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
81023062A	1(<1)	TL074	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
8102306CA	1	LF147D/883	OP AMP. QUAD. BIFET. LOW-POWER	NATIONAL
8102306CA	1(<1)	TL074	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
8102401VA		HM1-6504S/883	STATIC RAM, 4K X 1, 120 NS ACCESS TIME	HARRIS
8102402VA		HM1-6514S/883	STATIC RAM, 1K X 4, 120 NS ACCESS TIME	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
8102403VA		HM1-6504B/883	STATIC RAM, 4K X 1, 200 NS ACCESS TIME	HARRIS
8102404VA		HM1-6514B/883	STATIC RAM, 1K X 4, 200 NS ACCESS TIME	HARRIS
8102406VA		HM1-6514/883	STATIC RAM, 1K X 4, 300 NS ACCESS TIME	HARRIS
81036072A	2(2)	PAL16L8A	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
8103607RA	2(2)	PAL16L8A	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
8103607SA	2(2)	PAL16L8A	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
81036082A	1(.5)	PAL16R8A	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR	T.I.
8103608RA	1(.5)	PAL16R8A	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR	T.I.
8103608SA	1(.5)	PAL16R8A	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR	T.I.
8103609SA	1(0)	PAL16R6A	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT AND-OR	T.I.
8103609RA	1(0)	PAL16R6A	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT AND-OR	T.I.
81036092A	1(0)	PAL16R6A	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT AND-OR	T.I.
81036102A	1(0)	PAL16R4A	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT AND-OR	T.I.
8103610SA	1(0)	PAL16R4A	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT AND-OR	T.I.
8103610RA	1(0)	PAL16R4A	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT AND-OR	T.I.
81036112A	1(0)	PAL16L8A-2	PROG. LOGIC DEVICE, 16-INPUT 8 OUTPUT AND-OR-INVERT	T.I.
8103611SA	1(0)	PAL16L8A-2	PROG. LOGIC DEVICE, 16-INPUT 8 OUTPUT AND-OR-INVERT	T.I.
8103611RA	1(0)	PAL16L8A-2	PROG. LOGIC DEVICE, 16-INPUT 8 OUTPUT AND-OR-INVERT	T.I.
8103612SA	1(0)	PAL16R8A-2	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
8103612RA	1(0)	PAL16R8A-2	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
81036122A	1(0)	PAL16R8A-2	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
8103613RA	1(0)	PAL16R6A-2	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
81036132A	1(0)	PAL16R6A-2	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
8103613SA	1(0)	PAL16R6A-2	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
81036142A	1(.5)	PAL16R4A-2	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
8103614SA	1(.5)	PAL16R4A-2	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
8103614RA	1(.5)	PAL16R4A-2	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
8202102UC	1	68000-8/BYCJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202102XA	1	68000-8T/BUAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202102YA	1(0)	68000-8/BXAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
8202102ZA	1	68000-8/BUAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202102TA	1	68000-8/BZAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202103TA	1	68000-10/BZAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202103UC	1	68000-10/BYCJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202103XA	1	68000-10T/BUAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202103YA	1	68000-10/BXAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202103ZA	1	68000-10/BUAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202104ZA	1	68000-12BUAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202104YA	1	68000-12/BXAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202104XA	1	68000-12T/BUAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202104TA	1	68000-12/BZAJC	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
8202201FA	1(0)	CD40174BMW/883B	FLIP-FLOP, D-TYPE, HEX	NATIONAL
8202201EA	1	CD40174BMJ/883B	FLIP-FLOP, D-TYPE, HEX	NATIONAL
8203602GA	1(0)	OP07H/883	OP AMP, LOW-OFFSET	NATIONAL
8300301JA	1	ADDAC87D-CBI-V	D/A CONVERTER, 12-BIT, RANGE PROGRAMMABLE, VOLTAGE OUTPUT	ANALOG DEVICES
8301301ZA	1	NSC800E/883B	MICROPROCESSOR, 8-BIT, 2.5 MHZ	NATIONAL
8301301QA	1	NSC800D/883B	MICROPROCESSOR, 8-BIT, 2.5 MHZ	NATIONAL
8301302QA	1	NSC800D-35/883	MICROPROCESSOR, 8-BIT, 3.5 MHZ	NATIONAL
8301302ZA	1	NSC800E-35/883	MICROPROCESSOR, 8-BIT, 3.5 MHZ	NATIONAL
8301701JA	1	DM54LS154FJ/883B	DECODER/DEMULTIPLEXER, 4-TO-16-LINE	NATIONAL
8301901FA	2(2)	54ALS174	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
8301901EA	2(2)	54ALS174	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
83019012A	2(2)	54ALS174	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
8301902EA	2(2)	54ALS175	FLIP-FLOP, D-TYPE, 4-BIT, WITH CLEAR	T.I.
83019022A	2(2)	54ALS175	FLIP-FLOP, D-TYPE, 4-BIT, WITH CLEAR	T.I.
8301902FA	2(2)	54ALS175	FLIP-FLOP, D-TYPE, 4-BIT, WITH CLEAR	T.I.
8302001RA	2(2)	54ALS373	FLIP-FLOP, D-TYPE, 8-BIT, WITH TRANSPARENT LATCH AND 3-STATE OUTPUTS	T.I.
8302001SA	2(2)	54ALS373	FLIP-FLOP, D-TYPE, 8-BIT, WITH TRANSPARENT LATCH AND 3-STATE OUTPUTS	T.I.
83020012A	2(2)	54ALS373	FLIP-FLOP, D-TYPE, 8-BIT, WITH TRANSPARENT LATCH AND 3-STATE OUTPUTS	T.I.
8302002RA	2(2)	54ALS374	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
83020022A	2(2)	54ALS374	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
8302002SA	2(2)	54ALS374	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
8302101RA	1(.5)	54ALS299	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
83021012A	1(.5)	54ALS299	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
8302101SA	1(.5)	54ALS299	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
8302102SA	1(.5)	54ALS323	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
83021022A	1(.5)	54ALS323	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
8302102RA	1(.5)	54ALS323	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
8302201FA	3(4)	54ALS161B	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
83022012A	3(4)	54ALS161B	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
8302201EA	3(4)	54ALS161B	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
8302202FA	2(2)	54ALS163B	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
8302202EA	2(2)	54ALS163B	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
83022022A	2(2)	54ALS163B	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
8302203RA	1(<.5)	54ALS561A	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH 3-STATE OUTPUTS	T.I.
8302203SA	1(<.5)	54ALS561A	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH 3-STATE OUTPUTS	T.I.
83022032A	1(<.5)	54ALS561A	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH 3-STATE OUTPUTS	T.I.
8302501EA	2(2)	54ALS169B	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
8302501FA	2(2)	54ALS169B	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
83025012A	2(2)	54ALS169B	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
8302502SA	1(1)	54ALS569A	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH 3-STATE OUTPUTS	T.I.
8302502RA	1(1)	54ALS569A	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH 3-STATE OUTPUTS	T.I.
83025022A	1(1)	54ALS569A	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH 3-STATE OUTPUTS	T.I.
8400001FA	3(4)	54ALS109A	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE HIGH)	T.I.
8400001EA	3(4)	54ALS109A	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE HIGH)	T.I.
84000012A	3(4)	54ALS109A	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE HIGH)	T.I.
8400002FA	1(1)	54ALS112A	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE LOW)	T.I.
84000022A	1(1)	54ALS112A	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE LOW)	T.I.
8400002EA	1(1)	54ALS112A	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE LOW)	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
8400101RA	2(2)	54ALS574A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
84001012A	2(2)	54ALS574A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
8400101SA	2(2)	54ALS574A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
8400102SA	2(2)	54ALS576A	FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
84001022A	2(2)	54ALS576A	FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
8400102RA	2(2)	54ALS576A	FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
84010013A	2(2)	54ALS874B	FLIP-FLOP, D-TYPE, DUAL 4-BIT, WITH CLEAR AND 3-STATE OUTPUTS	T.I.
8401001KA	2(2)	54ALS874B	FLIP-FLOP, D-TYPE, DUAL 4-BIT, WITH CLEAR AND 3-STATE OUTPUTS	T.I.
8401001LA	2(2)	54ALS874B	FLIP-FLOP, D-TYPE, DUAL 4-BIT, WITH CLEAR AND 3-STATE OUTPUTS	T.I.
84011012A	2(2)	54ALS74A	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED	T.I.
8401101DA	2(2)	54ALS74A	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED	T.I.
8401101CA	2(2)	54ALS74A	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED	T.I.
8401201SA	2(2)	54ALS573B	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
8401201RA	2(2)	54ALS573B	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
84012012A	2(2)	54ALS573B	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
8401202RA	2(2)	54ALS580A	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH INVERTING 3-STATE OUTPUTS	T.I.
8401202SA	2(2)	54ALS580A	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH INVERTING 3-STATE OUTPUTS	T.I.
84012022A	2(2)	54ALS580A	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH INVERTING 3-STATE OUTPUTS	T.I.
8401302DA	2(2)	54ALS243A	BUS TRANSCEIVER, QUAD, WITH 3-STATE OUTPUTS	T.I.
8401302CA	2(2)	54ALS243A	BUS TRANSCEIVER, QUAD, WITH 3-STATE OUTPUTS	T.I.
84013022A	2(2)	54ALS243A	BUS TRANSCEIVER, QUAD, WITH 3-STATE OUTPUTS	T.I.
84030012A	2(2)	54ALS245A	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
8403001SA	2(2)	54ALS245A	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
8403001RA	2(2)	54ALS245A	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
8403101DA	2(2)	54ALS1034	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
84031012A	2(2)	54ALS1034	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
8403101BA	2(2)	54ALS1034WA	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
8403101CA	2(2)	54ALS1034	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
8403201LA	2(2)	54ALS873B	LATCH, D-TYPE, DUAL 4-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
84032013A	2(2)	54ALS873B	LATCH, D-TYPE, DUAL 4-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
8403201KA	2(2)	54ALS873B	LATCH, D-TYPE, DUAL 4-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
8403301RA	2(2)	54ALS645A	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
8403301SA	2(2)	54ALS645A	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
84033012A	2(2)	54ALS645A	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
8403601ZA		HM4-6516/883	STATIC RAM, 2K X 8, 200 NS ACCESS TIME	HARRIS
8403601JA		HM1-6516/883	STATIC RAM, 2K X 8, 200 NS ACCESS TIME	HARRIS
8403602ZA		HM4-65162/883	STATIC RAM, 2K X 8, 90 NS ACCESS TIME	HARRIS
8403602JA		HM1-65162/883	STATIC RAM, 2K X 8, 90 NS ACCESS TIME	HARRIS
8403603JA		HM1-65162C/883	STATIC RAM, 2K X 8, 90 NS ACCESS TIME	HARRIS
8403603ZA		HM4-65162C/883	STATIC RAM, 2K X 8, 90 NS ACCESS TIME	HARRIS
8403606ZA		HM4-65162B/883	STATIC RAM, 2K X 8, 70 NS ACCESS TIME	HARRIS
8403606JA		HM1-65162B/883	STATIC RAM, 2K X 8, 70 NS ACCESS TIME	HARRIS
8403607ZA		HM4-6516B/883	STATIC RAM, 2K X 8, 120 NS ACCESS TIME	HARRIS
8403607JA		HM1-6516B/883	STATIC RAM, 2K X 8, 120 NS ACCESS TIME	HARRIS
8403701CA		CD54HC00F3A	NAND GATE, QUAD 2-INPUT	HARRIS
84037012A	1(0)	54HC00M/B2AJC	NAND GATE, QUAD 2-INPUT	MOTOROLA
8403701CA	1(0)	54HC00/BCAJC	NAND GATE, QUAD 2-INPUT	MOTOROLA
8403801CA	1(0)	54HC10/BCAJC	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
8403801CA		CD54HC10F3A	NAND GATE, TRIPLE 3-INPUT	HARRIS
84038012A	1	54HC10M/B2AJC	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
8403901CA		CD54HC20F3A	NAND GATE, DUAL 4-INPUT	HARRIS
84039012A	1(0)	54HC20M/B2AJC	NAND GATE, DUAL 4-INPUT	MOTOROLA
8403901CA	1(0)	54HC20/BCAJC	NAND GATE, DUAL 4-INPUT	MOTOROLA
8404001CA		CD54HC30F3A	NAND GATE, 8-INPUT	HARRIS
84040012A	1(1)	54HC30	NAND GATE, 8-INPUT	T.I.
8404001DA	1(1)	54HC30	NAND GATE, 8-INPUT	T.I.
84040012A	1(0)	54HC30M/B2AJC	NAND GATE, 8-INPUT	MOTOROLA
8404001CA	1(1)	54HC30	NAND GATE, 8-INPUT	T.I.
8404001CA	1(0)	54HC30/BCAJC	NAND GATE, 8-INPUT	MOTOROLA
84041012A	1(0)	54HC02M/B2AJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
8404101CA	1(0)	54HC02/BCAJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
8404101CA		CD54HC02F3A	NOR GATE. QUAD 2-INPUT	HARRIS
8404201CA	1(0)	54HC27/BCAJC	NOR GATE, TRIPLE 3-INPUT	MOTOROLA
84042012A	1(0)	54HC27M/B2AJC	NOR GATE, TRIPLE 3-INPUT	MOTOROLA
8404201CA		CD54HC27F3A	NOR GATE, TRIPLE 3-INPUT	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
8404302CA		CD54HC7266F3A	EXCLUSIVE-NOR GATE, QUAD 2-INPUT	HARRIS
8404401CA	2(2)	54HC4002	NOR GATE, DUAL 4-INPUT	T.I.
8404401DA	2(2)	54HC4002	NOR GATE, DUAL 4-INPUT	T.I.
84044012A	2(2)	54HC4002	NOR GATE, DUAL 4-INPUT	T.I.
8404401CA		CD54HC4002F3A	NOR GATE, DUAL 4-INPUT	HARRIS
84045012A	1(0)	54HC32M/B2AJC	OR GATE, QUAD 2-INPUT	MOTOROLA
8404501CA	1(0)	54HC32/BCAJC	OR GATE, QUAD 2-INPUT	MOTOROLA
8404501CA		CD54HC32F3A	OR GATE, QUAD 2-INPUT	HARRIS
84046012A	1(0)	54HC86M/B2AJC	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
8404601CA		CD54HC86F3A	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
8404601CA	1(0)	54HC86/BCAJC	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
84047012A	1(0)	54HC08M/B2AJC	AND GATE, QUAD 2-INPUT	MOTOROLA
8404701CA		CD54HC08F3A	AND GATE, QUAD 2-INPUT	HARRIS
8404701CA	1(0)	54HC08/BCAJC	AND GATE, QUAD 2-INPUT	MOTOROLA
8404801CA		CD54HC11F3A	AND GATE, TRIPLE 3-INPUT	HARRIS
84048012A	1	54HC11M/B2AJC	AND GATE, TRIPLE 3-INPUT	MOTOROLA
8404801CA	1	54HC11/BCAJC	AND GATE, TRIPLE 3-INPUT	MOTOROLA
8405201QA		MD80C86/883	MICROPROCESSOR, 16-BIT, 5 MHZ	HARRIS
8405201XA		MR80C86/883	MICROPROCESSOR, 16-BIT, 5 MHZ	HARRIS
8405202XA		MR80C86-2/883	MICROPROCESSOR, 16-BIT, 8 MHZ	HARRIS
8405202QA		MD80C86-2/883	MICROPROCESSOR, 16-BIT, 8 MHZ	HARRIS
8405601CA	1(0)	54HC74/BCAJC	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	MOTOROLA
8405601CA		CD54HC74F3A	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	HARRIS
84056012A	1(0)	54HC74M/B2AJC	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	MOTOROLA
8406201EA	1(0)	54HC138/BEAJC	DECODER, 3-TO-8-LINE	MOTOROLA
8406201EA		CD54HC138F3A	DECODER, 3-TO-8-LINE	HARRIS
84062012A	1(0)	54HC138M/B2AJC	DECODER, 3-TO-8-LINE	MOTOROLA
8406401EA		CD54HC147F3A	PRIORITY ENCODER, 10-TO-4-LINE	HARRIS
8406501JA		MD82C54/883	INTERVAL TIMER, PROGRAMMABLE	HARRIS
84065013A		MR82C54/883	INTERVAL TIMER, PROGRAMMABLE	HARRIS
8406502JA		MD82C54-12/883	INTERVAL TIMER, PROGRAMMABLE	HARRIS
84065023A		MR82C54-12/883	INTERVAL TIMER, PROGRAMMABLE	HARRIS
8406601QA		MD82C55A-5/883	PERIPHERAL INTERFACE, PROGRAMMABLE, 5.0 MHZ	HARRIS
8406601XA		MD82C55A-5/883	PERIPHERAL INTERFACE, PROGRAMMABLE, 5.0 MHZ	HARRIS
8406602QA		MD82C55A/883	PERIPHERAL INTERFACE, PROGRAMMABLE, 8.0 MHZ	HARRIS
8406701RA		MD82C82/883	BUS DRIVER, OCTAL LATCHED	HARRIS
84067012A		MR82C82/883	BUS DRIVER, OCTAL LATCHED	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
8406702RA		MD82C83H/883	BUS DRIVER, OCTAL LATCHED	HARRIS
84067022A		MR82C83H/883	BUS DRIVER, OCTAL LATCHED	HARRIS
84068012A		MR82C84A/883	CLOCK GENERATOR/DRIVER, 25 MHZ	HARRIS
8406801VA		MD82C84A/883	CLOCK GENERATOR/DRIVER, 25 MHZ	HARRIS
8406901RA		MD82C88/883	BUS CONTROLLER, 8 MHZ	HARRIS
84069012A		MR82C88/883	BUS CONTROLLER, 8 MHZ	HARRIS
8407001EA	1(.5)	54HC75	LATCH, DUAL 2-BIT, TRANSPARENT	T.I.
8407001FA	1(.5)	54HC75	LATCH, DUAL 2-BIT, TRANSPARENT	T.I.
8407001EA		CD54HC75F3A	LATCH, DUAL 2-BIT, TRANSPARENT	HARRIS
8407101RA		CD54HC374F3A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	HARRIS
84071012A	1	54HC374M/B2AJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
8407101RA	1(0)	54HC374/BRAJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
8407201RA		CD54HC373F3A	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	HARRIS
84072012A	1(0)	54HC373M/B2AJC	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
8407201RA	1(0)	54HC373/BRAJC	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
8407301EA	1(0)	54HC174/BEAJC	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	MOTOROLA
84073012A	1(0)	54HC174M/B2AJC	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	MOTOROLA
8407301EA		CD54HC174F3A	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	HARRIS
84074012A	1(0)	54HC240M/B2AJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
8407401RA	1(0)	54HC240/BRAJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
8407401RA		CD54HC240F3A	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	HARRIS
8407501EA	1(0)	54HC161/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	MOTOROLA
8407501EA		CD54HC161F3A	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	HARRIS
84075012A	1(0)	54HC161M/B2AJC	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	MOTOROLA
8407901EA	2(2)	54ALS162B	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
8407901FA	2(2)	54ALS162B	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
84079012A	2(2)	54ALS162B	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
8408501RA		CD54HC245F3A	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	HARRIS
84088012A	1(0)	54HC112M/B2AJC	FLIP-FLOP, JK, DUAL, WITH SET AND RESET	MOTOROLA
8408801EA		CD54HC112F3A	FLIP-FLOP, JK, DUAL, WITH SET AND RESET	HARRIS
8408801EA	1(0)	54HC112/BEAJC	FLIP-FLOP, JK, DUAL, WITH SET AND RESET	MOTOROLA
84089012A	1(0)	54HC175M/B2AJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
8408901EA		CD54HC175F3A	FLIP-FLOP, D-TYPE, 4-BIT	HARRIS
8408901EA	1(0)	54HC175/BEAJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
8409001CA		CD54HC243F3A	BUS TRANSCEIVER, QUAD, BIDIRECTIONAL, WITH 3-STATE OUTPUTS	HARRIS
8409101CA		CD54HC14F3A	HEX INVERTER, SCHMITT TRIGGER	HARRIS
8409101CA	1(0)	54HC14/BCAJC	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
84091012A	1	54HC14M/B2AJC	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
8409201EA		CD54HC139F3A	DECODER, DUAL 2-TO-4-LINE	HARRIS
8409201EA	1(0)	54HC139/BEAJC	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
84092012A	1(0)	54HC139M/B2AJC	DECODER. DUAL 2-TO-4-LINE	MOTOROLA
84093012A	1	54HC153M/B2AJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
8409301EA	1	54HC153/BEAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
8409301EA		CD54HC153F3A	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	HARRIS
8409401EA		CD54HC162F3A	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS RESET	HARRIS
8409501EA	1	54HC165/BEAJC	SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT	MOTOROLA
84095012A	1	54HC165M/B2AJC	SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT	MOTOROLA
8409501EA		CD54HC165F3A	SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT	HARRIS
8409601RA	1(0)	54HC244/BRAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
8409601RA		CD54HC244F3A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	HARRIS
84096012A	1(0)	54HC244M/B2AJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
8409801CA	1(0)	54HC04/BCAJC	HEX INVERTER	MOTOROLA
84098012A	1(0)	54HC04M/B2AJC	HEX INVERTER	MOTOROLA
8409801CA		CD54HC04F3A	HEX INVERTER	HARRIS
84099012A	1	54HC273M/B2CJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
8409901RA	1(0)	54HC273/BRAJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
8410001CA		CD54HC393F3A	BINARY COUNTER, DUAL 4-BIT	HARRIS
84100012A	1(0)	54HC393M/B2AJC	BINARY COUNTER, DUAL 4-BIT	MOTOROLA
8410001CA	1(0)	54HC393/BCAJC	BINARY COUNTER, DUAL 4-BIT	MOTOROLA
8410901PA	3(4)	TL431	VOLT. REFERENCE, PROGRAMMABLE	T.I.
84109012A	3(4)	TL431	VOLT. REFERENCE, PROGRAMMABLE	T.I.
8410901PA	1(0)	431/BPAJC	VOLT. REFERENCE, PROGRAMMABLE	MOTOROLA
84128012A	1	54HC151M/B2AJC	DATA SEL/MULTIPLEXER, 8-INPUT, WITH ENABLE	MOTOROLA
8412801EA		CD54HC151F3A	DATA SEL/MULTIPLEXER, 8-INPUT, WITH ENABLE	HARRIS
8412801EA	1	54HC151/BEAJC	DATA SEL/MULTIPLEXER, 8-INPUT, WITH ENABLE	MOTOROLA
8412901XA	1(0)	PAL20L8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
8412901LA	1(0)	PAL20L8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
8412901KA	1(0)	PAL20L8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
8412902KA	1(0)	PAL20R8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
8412902XA	1(0)	PAL20R8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
8412902LA	1(0)	PAL20R8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
8412903LA	1(0)	PAL20R6-20	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
8412903KA	1(0)	PAL20R6-20	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
8412903XA	1(0)	PAL20R6-20	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
8412904KA	1(0)	PAL20R4-20	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
8412904LA	1(0)	PAL20R4-20	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
8412904XA	1(0)	PAL20R4-20	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
8413201RA		HM1-65262/883	STATIC RAM, 16K X 1, 85 NS ACCESS TIME	HARRIS
8413201YA		HM4-65262/883	STATIC RAM, 16K X 1, 85 NS ACCESS TIME	HARRIS
8413203YA		HM4-65262B/883	STATIC RAM, 16K X 1, 70 NS ACCESS TIME	HARRIS
8413203RA		HM1-65262B/883	STATIC RAM, 16K X 1, 70 NS ACCESS TIME	HARRIS
8413401EA	2(2)	54ALS153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
84134012A	2(2)	54ALS153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
8413401FA	2(2)	54ALS153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
84135012A	2(2)	54ALS251	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
8413501FA	2(2)	54ALS251	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
8413501EA	2(2)	54ALS251	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
8413601SA	2(2)	54ALS273	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
8413601RA	2(2)	54ALS273	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
84136012A	2(2)	54ALS273	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
8414101EA	2(2)	54ALS151	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
84141012A	2(2)	54ALS151	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
8414101FA	2(2)	54ALS151	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
8414201CA	2(2)	54ALS09	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
8414201DA	2(2)	54ALS09	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
84142012A	2(2)	54ALS09	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
8414201BA	2(2)	54ALS09WA	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
8414301DA	2(2)	54ALS21A	AND GATE, DUAL 4-INPUT	T.I.
84143012A	2(2)	54ALS21A	AND GATE, DUAL 4-INPUT	T.I.
8414301CA	2(2)	54ALS21A	AND GATE, DUAL 4-INPUT	T.I.
8414501RA	2(2)	54ALS832A	BUFFER/DRIVER, OR, HEX 2-INPUT	T.I.
84145012A	2(2)	54ALS832A	BUFFER/DRIVER, OR, HEX 2-INPUT	T.I.
8414501SA	2(2)	54ALS832A	BUFFER/DRIVER, OR, HEX 2-INPUT	T.I.
8415001EA	1(0)	54HC109/BEAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
84150012A	1(0)	54HC109M/B2AJC	FLIP-FLOP, JK, DUAL	MOTOROLA
8415001EA		CD54HC109F3A	FLIP-FLOP, JK, DUAL	HARRIS
8415101SA	1(.5)	54LS682	MAGNITUDE COMPARATOR, 8-BIT	T.I.
84151012A	1(.5)	54LS682	MAGNITUDE COMPARATOR, 8-BIT	T.I.
8415101RA	1(.5)	54LS682	MAGNITUDE COMPARATOR, 8-BIT	T.I.
8415201SA	1(.5)	54LS684	MAGNITUDE COMPARATOR, 8-BIT	T.I.
8415201RA	1(.5)	54LS684	MAGNITUDE COMPARATOR, 8-BIT	T.I.
84152012A	1(.5)	54LS684	MAGNITUDE COMPARATOR, 8-BIT	T.I.
84153012A	1(.5)	54LS688	MAGNITUDE COMPARATOR, 8-BIT, WITH OUTPUT ENABLE	T.I.
8415301SA	1(.5)	54LS688	MAGNITUDE COMPARATOR, 8-BIT, WITH OUTPUT ENABLE	T.I.
8415301RA	1(.5)	54LS688	MAGNITUDE COMPARATOR, 8-BIT, WITH OUTPUT ENABLE	T.I.
84154012A	1(.5)	54LS399	REGISTER, QUAD 2-PORT	T.I.
8415401FA	1(.5)	54LS399	REGISTER, QUAD 2-PORT	T.I.
8415401EA	1(.5)	54LS399	REGISTER, QUAD 2-PORT	T.I.
84155012A	1(<2)	54LS540	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
8415501SA	1(<2)	54LS540	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
84156012A	1(<2)	54LS541	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
8415601SA	1(<2)	54LS541	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
8416101SA	1(1)	54LS640	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
84161012A	1(1)	54LS640	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
8416101RA	1(1)	54LS640	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
84162012A	1(0)	54HC164M/B2AJC	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	MOTOROLA
8416201CA		CD54HC164F3A	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	HARRIS
8416201CA	1(0)	54HC164/BCAJC	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	MOTOROLA
8418002XA	1	LM136AH-5.0/883B	VOLT. REFERENCE, 5.0V, PRECISION	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
8418501CA	1	1733/BCAJC	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT	MOTOROLA
8418501IA	1	1733/BIAJC	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT	MOTOROLA
8418501CA	1(.5)	UA733	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT	T.I.
8418502CA	1(.5)	SE592	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT	T.I.
8418502HA	1(.5)	SE592	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT	T.I.
8500101EA		CD54HC365F3A	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	HARRIS
8500201EA		CD54HC367F3A	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	HARRIS
8500301EA		CD54HC4020F3A	BINARY COUNTER, 14-STAGE RIPPLE	HARRIS
85003012A	1(0)	54HC4020M/B2AJC	BINARY COUNTER, 14-STAGE RIPPLE	MOTOROLA
8500301EA	1	54HC4020/BEAJC	BINARY COUNTER, 14-STAGE RIPPLE	MOTOROLA
85004012A	1	54HC4040M/B2AJC	BINARY COUNTER, 12-STAGE RIPPLE	MOTOROLA
8500401EA	1	54HC4040/BEAJC	BINARY COUNTER, 12-STAGE RIPPLE	MOTOROLA
8501501XA		MD82C52/883	CONTROLLER INTERFACE, SERIAL, 16 MHZ	HARRIS
85015013A		MR82C52/883	CONTROLLER INTERFACE, SERIAL, 16 MHZ	HARRIS
5962-85016013A		MR82C59A-5/B	INTERRUPT CONTROLLER, PROGRAMMABLE, 5 MHZ	HARRIS
5962-8501601YA		MD82C59A-5/B	INTERRUPT CONTROLLER, PROGRAMMABLE, 5 MHZ	HARRIS
5962-8501602YA		MD82C59A/B	INTERRUPT CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
5962-85016023A		MR82C59A/B	INTERRUPT CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
8508401FA	1(.5)	54LS145	DECODER/DRIVER, BCD-TO-DECIMAL	T.I.
85084012A	1(.5)	54LS145	DECODER/DRIVER, BCD-TO-DECIMAL	T.I.
8508401EA	1(.5)	54LS145	DECODER/DRIVER, BCD-TO-DECIMAL	T.I.
85096012A	2(2)	54ALS253	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
8509601FA	2(2)	54ALS253	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
8509601EA	2(2)	54ALS253	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
85097012A	1(1)	54ALS257	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
8509701FA	1(1)	54ALS257	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
8509701EA	1(1)	54ALS257	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
8512401EA		CD54HC257F3A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	HARRIS
8512401EA	1	54HC257/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
85124012A	1	54HC257/B2AJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
8512501EA		CD54HC251F3A	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	HARRIS
85125012A	1	54HC251M/B2AJC	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
8512501EA	1	54HC251/BEAJC	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
8512601DA	1(.5)	54LS33	BUFFER/DRIVER, NOR, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
85126012A	1(.5)	54LS33	BUFFER/DRIVER, NOR, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
8512601CA	1(.5)	54LS33	BUFFER/DRIVER, NOR, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
85126022A	1(0)	54LS28	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.
8512602DA	1(0)	54LS28	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.
85126022A	1(0)	54LS28	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.
8512602CA	1(0)	54LS28	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.
5962-85127013A	1	AD574AUE/883B	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-8512701XA	1	AD574AUD/883B	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-85127023A	1	AD574ATE	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-8512702XA	1	AD574ATD/883B	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-8512703YA		HI4-574AUE/883	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	HARRIS
5962-8512703XA		HI1-574AUD/883	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	HARRIS
5962-8512704XA		HI1-574ATD/883	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	HARRIS
5962-8512704YA		HI4-574ATE/883	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	HARRIS
8512801RA		CD54HC573F3A	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	HARRIS
8513001RA	1	54HCT244/BRAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
85130012A	1	54HCT244M/B2AJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
8513001RA		CD54HCT244F3A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	HARRIS
5962-85131013A		HI4-546/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL, WITH OVERVOLTAGE PROTECTION	HARRIS
5962-8513101XA		HI1-546/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL, WITH OVERVOLTAGE PROTECTION	HARRIS
5962-8513102XA		HI1-547/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS
5962-85131023A		HI4-547/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8513103EA		HI1-549/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS
5962-85131032A		HI4-549/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS
5962-85131073A		HI4-506/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL	HARRIS
5962-8513107XA		HI1-506/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL	HARRIS
5962-85131083A		HI4-507/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS
5962-8513108XA		HI1-507/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS
5962-85131092A		HI4-509/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL	HARRIS
5962-8513109EA		HI1-509/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL	HARRIS
5962-8515301CA	1	54HC73/BCAJC	FLIP-FLOP, JK, DUAL, WITH RESET	MOTOROLA
5962-8515301CA		CD54HC73F3A	FLIP-FLOP, JK, DUAL, WITH RESET	HARRIS
5962-8515401CA		CD54HC107F3A	FLIP-FLOP, JK, DUAL, WITH RESET	HARRIS
5962-85155012A	1(<.5)	PAL16L8-20	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-8515501RA	1(<.5)	PAL16L8-20	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-8515501SA	1(<.5)	PAL16L8-20	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-8515502SA	1(<.5)	PAL16R8-20	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8515502RA	1(<.5)	PAL16R8-20	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-85155022A	1(<.5)	PAL16R8-20	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8515503SA	1(0)	PAL16R6-20	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8515503RA	1(0)	PAL16R6-20	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-85155032A	1(0)	PAL16R6-20	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-85155042A	1(0)	PAL16R4-20	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8515504RA	1(0)	PAL16R4-20	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8515504SA	1(0)	PAL16R4-20	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8515505SA	1(1.5)	PAL16L8-30	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-8515505RA	1(1.5)	PAL16L8-30	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-85155052A	1(1.5)	PAL16L8-30	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-8515506SA	1(<.5)	PAL16R8-30	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-85155062A	1(<.5)	PAL16R8-30	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8515506RA	1(<.5)	PAL16R8-30	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-85155072A	1(0)	PAL16R6-30	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8515507SA	1(0)	PAL16R6-30	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8515507RA	1(0)	PAL16R6-30	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8515508SA	1(0)	PAL16R4-30	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-85155082A	1(0)	PAL16R4-30	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8515508RA	1(0)	PAL16R4-30	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8515509SA	1(<.5)	PAL16L8-15	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-8515509RA	1(<.5)	PAL16L8-15	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-85155092A	1(<.5)	PAL16L8-15	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-85155102A	1(0)	PAL16R8-15	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8515510SA	1(0)	PAL16R8-15	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8515510RA	1(0)	PAL16R8-15	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8515511SA	1(1)	PAL16R6-15	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-85155112A	1(1)	PAL16R6-15	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8515511RA	1(1)	PAL16R6-15	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8515512SA	1(0)	PAL16R4-15	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8515512RA	1(0)	PAL16R4-15	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-85155122A	1(0)	PAL16R4-15	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8515513RA	3(4)	PAL16L8-12	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-8515513SA	3(4)	PAL16L8-12	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-85155132A	3(4)	PAL16L8-12	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-8515514RA	3(4)	PAL16R8-12	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-85155142A	3(4)	PAL16R8-12	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8515514SA	3(4)	PAL16R8-12	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-85155152A	3(4)	PAL16R6-12	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8515515SA	3(4)	PAL16R6-12	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8515515RA	3(4)	PAL16R6-12	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8515516SA	2(2)	PAL16R4-12	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-85155162A	2(2)	PAL16R4-12	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8515516RA	2(2)	PAL16R4-12	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8515517SA	3(4)	PAL16L8-10	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-8515517RA	3(4)	PAL16L8-10	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-85155172A	3(4)	PAL16L8-10	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-85155182A	2(2)	PAL16R8-10	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8515518RA	2(2)	PAL16R8-10	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8515518SA	2(2)	PAL16R8-10	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8515519SA	2(2)	PAL16R6-10	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8515519RA	2(2)	PAL16R6-10	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-85155192A	2(2)	PAL16R6-10	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8515520SA	2(2)	PAL16R4-10	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8515520RA	2(2)	PAL16R4-10	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-85155202A	2(2)	PAL16R4-10	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8550101CA		CD40106BMJ/883	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
5962-8550102CA	1	14584B/BCAJC	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
8550401EA		CD54HCT138F3A	DECODER, 3-TO-8-LINE	HARRIS
8550501RA		CD54HCT240F3A	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	HARRIS
8550501RA	1	54HCT240/BRAJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
85505012A	1	54HCT240M/B2AJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
85506012A	1	54HCT245M/B2AJC	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
8550601RA	1	54HCT245/BRAJC	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
8550601RA		CD54HCT245F3A	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	HARRIS
8550701RA	1	54HCT374/BRAJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	MOTOROLA
85507012A	1	54HCT374M/B2AJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	MOTOROLA
8551101SA	1(0)	54F245/BSAJC	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
8551101SA	3(4)	54F245	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
85511012A	1(0)	54F245M/B2AJC	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
8551101RA	1(0)	54F245/BRAJC	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
8551101RA	3(4)	54F245	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
85511012A	3(4)	54F245	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
8551501VA	1(0)	1526/BVAJC	PULSE WIDTH MODULATOR, REGULATING	MOTOROLA
8551501VA	1	1526BJ	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
5962-8552801RA		MD82C89/B	BUS ARBITER, 8 MHZ	HARRIS
5962-85528012A		MR82C89/B	BUS ARBITER, 8 MHZ	HARRIS
86009012A	1(1)	54HC390	BINARY COUNTER, DUAL, WITH DIVIDE BY 2 AND DIVIDE BY 5 SECTIONS	T.I.
86009012A	1	54HC390M/B2CJC	BINARY COUNTER, DUAL, WITH DIVIDE BY 2 AND DIVIDE BY 5 SECTIONS	MOTOROLA
8600901EA	1	54HC390/BEAJC	BINARY COUNTER, DUAL, WITH DIVIDE BY 2 AND DIVIDE BY 5 SECTIONS	MOTOROLA
8600901EA	1(1)	54HC390	BINARY COUNTER, DUAL, WITH DIVIDE BY 2 AND DIVIDE BY 5 SECTIONS	T.I.
8601001CA		CD54HCU04F3A	HEX INVERTER, UNBUFFERED	HARRIS
8601001CA	1	54HCU04/BCAJC	HEX INVERTER, UNBUFFERED	MOTOROLA
86010012A	1	54HCU04M/B2AJC	HEX INVERTER, UNBUFFERED	MOTOROLA
8601101EA		CD54HC4017F3A	DECADE COUNTER/DIVIDER	HARRIS
8601201CA		CD54HC4024F3A	BINARY COUNTER, 7-STAGE RIPPLE	HARRIS
8601201CA	1	54HC4024/BCAJC	BINARY COUNTER, 7-STAGE RIPPLE	MOTOROLA
86012012A	1	54HC4024/B2CJC	BINARY COUNTER, 7-STAGE RIPPLE	MOTOROLA
86012012A	1(.5)	54HC4024	BINARY COUNTER, 7-STAGE RIPPLE	T.I.
8601201CA	1(.5)	54HC4024	BINARY COUNTER, 7-STAGE RIPPLE	T.I.
8601301EA		CD54HC85F3A	MAGNITUDE COMPARATOR, 4-BIT	HARRIS
8601301EA	1	54HC85/BEAJC	MAGNITUDE COMPARATOR, 4-BIT	MOTOROLA
86013012A	1	54HC85/B2AJC	MAGNITUDE COMPARATOR, 4-BIT	MOTOROLA
8601401HA	1	LM119W/883	VOLT. COMPARATOR. DUAL. HIGH-SPEED	NATIONAL
8601401IA	1(0)	LM119H/883	VOLT. COMPARATOR, DUAL, HIGH-SPEED	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
8601401CA	1(0)	LM119J/883	VOLT. COMPARATOR, DUAL, HIGH-SPEED	NATIONAL
86014012A	1(0)	LM119E/883	VOLT. COMPARATOR, DUAL, HIGH-SPEED	NATIONAL
5962-8601501XA	1	6287-35/BXAJC	STATIC RAM, 64K X 1, WITH 3-STATE OUTPUTS, 35 NS ACCESS TIME	MOTOROLA
5962-8601502ZA	2	62L87-35/BUAJC	STATIC RAM, 64K X 1, WITH 3-STATE OUTPUTS, 35 NS ACCESS TIME	MOTOROLA
5962-8601502XA	1(0)	62L87-35/BXAJC	STATIC RAM, 64K X 1, WITH 3-STATE OUTPUTS, 35 NS ACCESS TIME	MOTOROLA
5962-8601504XA	1	62L87-45/BXAJC	STATIC RAM, 64K X 1, WITH 3-STATE OUTPUTS, 45 NS ACCESS TIME	MOTOROLA
5962-8601504ZA	2	62L87-45/BUAJC	STATIC RAM, 64K X 1, WITH 3-STATE OUTPUTS, 45 NS ACCESS TIME	MOTOROLA
5962-8601601XA		MR80C88/883	MICROPROCESSOR, 8-BIT	HARRIS
5962-8601601QA		MD80C88/883	MICROPROCESSOR, 8-BIT	HARRIS
5962-8603202YC	1	68020-16/BYCJC	MICROPROCESSOR, 32-BIT	MOTOROLA
5962-8603202XA	1	68020-16/BZAJC	MICROPROCESSOR, 32-BIT	MOTOROLA
5962-8603203YC	1	68020-20/BYCJC	MICROPROCESSOR, 32-BIT	MOTOROLA
5962-8603203XA	1	68020-20/BZAJC	MICROPROCESSOR, 32-BIT	MOTOROLA
5962-86053013A	2(2)	PAL22V10A	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
5962-8605301LA	2(2)	PAL22V10A	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
5962-8605301KA	2(2)	PAL22V10A	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
5962-8605303LA	1(0)	PAL22VP1025	PROG. LOGIC DEVICE, 22-INPUT 10 OUTPUT REGISTERED AND-OR	T.I.
5962-8605303KA	1(0)	PAL22VP10-25	PROG. LOGIC DEVICE, 22-INPUT 10 OUTPUT REGISTERED AND-OR	T.I.
5962-86053033A	1(0)	PAL22VP1025	PROG. LOGIC DEVICE, 22-INPUT 10 OUTPUT REGISTERED AND-OR	T.I.
5962-8605304LA	2(2)	PAL22V10-20	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
5962-8605304KA	2(2)	PAL22V10-20	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
5962-86053043A	2(2)	PAL22V10-20	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
5962-8605801VA	2	2803J	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
5962-8606101EA	1	54HC157/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
5962-86061012A	1	54HC157M/BZAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
5962-8606101EA		CD54HC157F3A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	HARRIS
5962-8606201RA		CD54HC563F3A	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	HARRIS
5962-8606201RA	1(1)	54HC563	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
5962-86062012A	1(1)	54HC563	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8606201SA	1(1)	54HC563	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
5962-8607101CA		54F164ADMQB	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	NATIONAL
5962-86071012A		54F164ALMQB	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	NATIONAL
5962-8607101DA		54F164AFMQB	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	NATIONAL
5962-8607201FA	2	54F169FMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
5962-86072012A	2	54F169LMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
5962-8607201EA	2	54F169DMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
5962-8607401RA	1	54F322DMQB	SHIFT REGISTER, 8-BIT SERIAL/PARALLEL WITH SIGN EXTEND AND 3-STATE OUTPUTS	NATIONAL
5962-86074012A	1	54F322LMQB	SHIFT REGISTER, 8-BIT SERIAL/PARALLEL WITH SIGN EXTEND AND 3-STATE OUTPUTS	NATIONAL
5962-8607401SA	1	54F322FMQB	SHIFT REGISTER, 8-BIT SERIAL/PARALLEL WITH SIGN EXTEND AND 3-STATE OUTPUTS	NATIONAL
8607601EA	1	54HC163/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
86076012A	1	54HC163M/B2AJC	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
8607601EA		CD54HC163F3A	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	HARRIS
8607701CA		CD54HC280F3A	PARITY GENERATOR/CHECKER, 9-BIT ODD/EVEN	HARRIS
86077012A	1(1)	54HC280	PARITY GENERATOR/CHECKER, 9-BIT ODD/EVEN	T.I.
8607701CA	1(1)	54HC280	PARITY GENERATOR/CHECKER, 9-BIT ODD/EVEN	T.I.
5962-8670101JA		CD54HCT154F3A	DECODER, 4-TO-16-LINE	HARRIS
5962-8670401PA	2	1842Y	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-8670401HA	2	1842F	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-8670401EA	2	1842J	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-86704012A	2	1842L	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-8670402HA	2	1843F	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-86704022A	2	1843L	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-8670402EA	2	1843J	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-8670402PA	2	1843Y	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-86704032A	2	1844L	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-8670403HA	2	1844F	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-8670403EA	2	1844J	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8670403PA	2	1844Y	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-8670404HA	2	1845F	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-8670404PA	2	1845Y	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-8670404EA	2	1845J	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
5962-8670503RA	1	6268-35/BRAJC	STATIC RAM, 4K X 4, 35 NS ACCESS TIME	MOTOROLA
5962-8670503YA	1	6268-35/BYAJC	STATIC RAM, 4K X 4, 35 NS ACCESS TIME	MOTOROLA
5962-8670505RA	1	6268-45/BRAJC	STATIC RAM, 4K X 4, 45 NS ACCESS TIME	MOTOROLA
5962-8670505YA	1	6268-45/BYAJC	STATIC RAM, 4K X 4, 45 NS ACCESS TIME	MOTOROLA
5962-8670505XA	1	6268-45/BUAJC	STATIC RAM, 4K X 4, 45 NS ACCESS TIME	MOTOROLA
5962-8670507RA	1	6268-55/BRAJC	STATIC RAM, 4K X 4, 55 NS ACCESS TIME	MOTOROLA
5962-8670507XA	1	6268-55/BUAJC	STATIC RAM, 4K X 4, 55 NS ACCESS TIME	MOTOROLA
5962-8670509RA	1	6268-70/BRAJC	STATIC RAM, 4K X 4, 70 NS ACCESS TIME	MOTOROLA
5962-86710012A	1(0)	54F381M/B2AJC	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
5962-8671001RA	1(0)	54F381/BRAJC	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
5962-8671001SA	1(0)	54F381/BSAJC	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
5962-8671002JA	1(0)	54F181DMQB	ALU/FUNCTION GENERATOR, 4-BIT	NATIONAL
5962-86710023A	1(0)	54F181LMQB	ALU/FUNCTION GENERATOR, 4-BIT	NATIONAL
5962-8671101XA	3	LM113H/883B	VOLT. REFERENCE DIODE	NATIONAL
5962-8671102XA	3	LM113-1H/883B	VOLT. REFERENCE DIODE	NATIONAL
5962-8671103XA	3	LM113-2H/883B	VOLT. REFERENCE DIODE	NATIONAL
5962-8671201CA	1	1545/BCAJC	WIDEBAND AMPLIFIER, TWO-CHANNEL INPUT	MOTOROLA
5962-8671201IA	1	1545/BIAJC	WIDEBAND AMPLIFIER, TWO-CHANNEL INPUT	MOTOROLA
5962-8671601EA		HI1-0201HS/883	ANALOG SWITCH, SPST, 4-CHANNEL, HIGH-SPEED	HARRIS
5962-86716012A		HI4-0201HS/883	ANALOG SWITCH, SPST, 4-CHANNEL, HIGH-SPEED	HARRIS
5962-86716022A	1	8671602A	ANALOG SWITCH, SPST, 4-CHANNEL, HIGH-SPEED	SILICONIX
5962-8671602EA	1	867160EA	ANALOG SWITCH, SPST, 4-CHANNEL, HIGH-SPEED	SILICONIX
5962-86717012A	1(.5)	54LS595	SHIFT REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
5962-8671701FA	1(.5)	54LS595	SHIFT REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
5962-8671701EA	1(.5)	54LS595	SHIFT REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
5962-8680201VA	1	AD570SD/883B	A/D CONVERTER, 8-BIT, WITH 3-STATE BUFFERED OUTPUTS	ANALOG DEVICES
5962-8680202VA	1	AD571SD/883B	A/D CONVERTER, 10-BIT, WITH THREE-STATE BUFFERED OUTPUTS	ANALOG DEVICES
5962-86806012A	1	1846L	PULSE WIDTH MODULATOR CONTROLLER, CURRENT-MODE	LINFINITY
5962-8680601FA	1	1846F	PULSE WIDTH MODULATOR CONTROLLER, CURRENT-MODE	LINFINITY
5962-8680601EA	1	1846J	PULSE WIDTH MODULATOR CONTROLLER, CURRENT-MODE	LINFINITY

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8681201EA		CD54HC368F3A	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	HARRIS
5962-8681301RA		CD54HC533F3A	LATCH, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	HARRIS
5962-8681401RA		CD54HC534F3A	FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	HARRIS
5962-86814012A	1(1)	54HC534	FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
5962-8681401RA	1(1)	54HC534	FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
5962-8681501RA		CD54HC564F3A	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH INVERTED 3-STATE OUTPUTS	HARRIS
5962-8681601EA	1	54HC595/BEAJC	SHIFT REGISTER, 8-BIT, WITH OUTPUT LATCHES	MOTOROLA
5962-86816012A	1	54HC595M/B2AJC	SHIFT REGISTER, 8-BIT, WITH OUTPUT LATCHES	MOTOROLA
5962-8681701EA		CD54HC597F3A	SHIFT REGISTER, 8-BIT, WITH INPUT LATCHES	HARRIS
5962-8681801RA	1(1)	54HC688	MAGNITUDE COMPARATOR, 8-BIT	T.I.
5962-86818012A	1(1)	54HC688	MAGNITUDE COMPARATOR, 8-BIT	T.I.
5962-8681801RA		CD54HC688F3A	MAGNITUDE COMPARATOR, 8-BIT	HARRIS
5962-8681901EA		CD54HC4049F3A	BUFFER, HEX INVERTING LOGIC LEVEL CONVERTER	HARRIS
5962-8682001EA		CD54HC4050F3A	CONVERTER, HEX LOGIC LEVEL DOWN	HARRIS
5962-8682101EA	2(2)	54HC42	DECODER, BCD-TO-DECIMAL	T.I.
5962-8682101EA		CD54HC42F3A	DECODER, BCD-TO-DECIMAL	HARRIS
5962-86821012A	2(2)	54HC42	DECODER, BCD-TO-DECIMAL	T.I.
5962-8682101EA	1	54HC42/BEAJC	DECODER, BCD-TO-DECIMAL	MOTOROLA
5962-86821012A	1	54HC42M/B2AJC	DECODER, BCD-TO-DECIMAL	MOTOROLA
5962-8682201JA		CD54HC154F3A	DECODER, 4-TO-16-LINE	HARRIS
5962-8682301EA	1	54HC158/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTED OUTPUTS	MOTOROLA
5962-86823012A	1	54HC158M/B2AJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTED OUTPUTS	MOTOROLA
5962-8682301EA		CD54HC158F3A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTED OUTPUTS	HARRIS
5962-8682401EA		CD54HC160F3A	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS RESET	HARRIS
5962-8682501EA		CD54HC173F3A	FLIP-FLOP, D-TYPE, 4-BIT, WITH 3-STATE OUTPUTS	HARRIS
5962-8682501EA	2(2)	54HC173	FLIP-FLOP, D-TYPE, 4-BIT, WITH 3-STATE OUTPUTS	T.I.
5962-86825012A	2(2)	54HC173	FLIP-FLOP, D-TYPE, 4-BIT, WITH 3-STATE OUTPUTS	T.I.
5962-86826012A	1(.5)	54HC194	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL	T.I.
5962-8682601EA	1(.5)	54HC194	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL	T.I.
5962-8682601EA		CD54HC194F3A	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL	HARRIS
5962-8682701EA		CD54HC195F3A	SHIFT REGISTER, 4-BIT PARALLEL	HARRIS
5962-8682701EA	1(1)	54HC195	SHIFT REGISTER, 4-BIT PARALLEL	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-86827012A	1(1)	54HC195	SHIFT REGISTER, 4-BIT PARALLEL	T.I.
5962-8682801EA		CD54HC366F3A	BUFFER/DRIVER, HEX, INVERTING, WITH COMMON ENABLES AND 3-STATE OUTPUTS	HARRIS
5962-8682801EA	1(1)	54HC366	BUFFER/DRIVER, HEX, INVERTING, WITH COMMON ENABLES AND 3-STATE OUTPUTS	T.I.
5962-86828012A	1(1)	54HC366	BUFFER/DRIVER, HEX, INVERTING, WITH COMMON ENABLES AND 3-STATE OUTPUTS	T.I.
5962-8683101CA		CD54HCT00F3A	NAND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	HARRIS
5962-86833012A	2(2)	54ALS00A	NAND GATE, QUAD 2-INPUT	T.I.
5962-8683301DA	2(2)	54ALS00A	NAND GATE, QUAD 2-INPUT	T.I.
5962-8683401CA	1	54F243DMQB	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8683401DA	1	54F243FMQB	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8683401CA	1(0)	54F243/BCAJC	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
5962-86834012A	1	54F243LMQB	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-86834012A	3	54F243M/B2AJC	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
5962-8683401DA	3	54F243/BDAJC	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
5962-86836012A	2(2)	54ALS32	OR GATE, QUAD 2-INPUT	T.I.
5962-8683601DA	2(2)	54ALS32	OR GATE, QUAD 2-INPUT	T.I.
5962-8683701DA	2(2)	54ALS30A	NAND GATE, 8-INPUT	T.I.
5962-86837012A	2(2)	54ALS30A	NAND GATE, 8-INPUT	T.I.
5962-86838012A	1(1)	54ALS27	NOR GATE, TRIPLE 3-INPUT	T.I.
5962-8683801DA	1(1)	54ALS27	NOR GATE, TRIPLE 3-INPUT	T.I.
5962-86839012A	2(2)	54ALS244A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-8683901SA	2(2)	54ALS244A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-86840012A	1(1)	54ALS191	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
5962-8684001EA	1(1)	54ALS191	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
5962-8684001FA	1(1)	54ALS191	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
5962-86841012A	1(1)	54ALS11A	AND GATE, TRIPLE 3-INPUT	T.I.
5962-8684101DA	1(1)	54ALS11A	AND GATE, TRIPLE 3-INPUT	T.I.
5962-86842012A	2(2)	54ALS08	AND GATE, QUAD 2-INPUT	T.I.
5962-8684201DA	2(2)	54ALS08	AND GATE, QUAD 2-INPUT	T.I.
5962-86843012A	2(2)	54ALS04B	HEX INVERTER	T.I.
5962-8684301DA	2(2)	54ALS04B	HEX INVERTER	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8684401DA	1(1)	54ALS02	NOR GATE, QUAD 2-INPUT	T.I.
5962-86844012A	1(1)	54ALS02	NOR GATE, QUAD 2-INPUT	T.I.
5962-8684701EA		CD54HC123F3A	MULTIVIBRATOR, DUAL MONOSTABLE REGRIGGERABLE	HARRIS
5962-86847022A	1	MM54HC123AE/883	MULTIVIBRATOR, DUAL MONOSTABLE REGRIGGERABLE	NATIONAL
5962-8684702EA	1	MM54HC123AJ/883	MULTIVIBRATOR, DUAL MONOSTABLE REGRIGGERABLE	NATIONAL
5962-8684801CA		CD54HC126F3A	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	HARRIS
5962-8684901PA	1	1549Y	ANALOG LATCH, CURRENT SENSING, WITH DIGITAL RESET	LINFINITY
5962-8685201CA		CD54HCT32F3A	OR GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	HARRIS
5962-8685301CA		CD54HCT74F3A	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR WITH LSTTL-COMPATIBLE INPUTS	HARRIS
5962-8685401EA		CD54HCT161F3A	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNC. CLEAR AND LSTTL-COMPATIBLE INPUTS	HARRIS
5962-8685501EA		CD54HCT165F3A	SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT, WITH LSTTL-COMPATIBLE INPUTS	HARRIS
5962-8685601RA		CD54HCT573F3A	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, LSTTL-COMPATIBLE INPUTS	HARRIS
5962-8685701RA		CD54HCT688F3A	MAGNITUDE COMPARATOR, 8-BIT, WITH LSTTL-COMPATIBLE INPUTS	HARRIS
5962-86860012A		HA4-4902/883	VOLT. COMPARATOR, QUAD, PRECISION	HARRIS
5962-8686001EA		HA1-4902/883	VOLT. COMPARATOR, QUAD, PRECISION	HARRIS
5962-8686101XA	3	AD580SH/883B	VOLT. REFERENCE, 2.5V, PRECISION (1%)	ANALOG DEVICES
5962-8686101XA	3	1503T	VOLT. REFERENCE, 2.5V, PRECISION (1%)	LINFINITY
5962-8686101PA	3	1503Y	VOLT. REFERENCE, 2.5V, PRECISION (1%)	LINFINITY
5962-8686102XA	3	AD580TH/883B	VOLT. REFERENCE, 2.5V, PRECISION (.4%)	ANALOG DEVICES
5962-8686103XA	3	AD580UH/883B	VOLT. REFERENCE, 2.5V, PRECISION (.4%)	ANALOG DEVICES
5962-8686501DA	1(?)	54ALS10A	NAND GATE, TRIPLE 3-INPUT	T.I.
5962-86865012A	1(?)	54ALS10A	NAND GATE, TRIPLE 3-INPUT	T.I.
5962-86866012A	2(2)	54ALS138	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
5962-8686601FA	2(2)	54ALS138	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
5962-86867012A	1	54HCT373M/B2AJC	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	MOTOROLA
5962-8686701RA		CD54HCT373F3A	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
5962-8686701RA	1	54HCT373/BRAJC	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	MOTOROLA
5962-86869012A	2(2)	54ALS157A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
5962-8686901EA	2(2)	54ALS157A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
5962-8686901FA	2(2)	54ALS157A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
5962-86871012A	1(.5)	54ALS38A	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5962-8687101BA	1(0)	54ALS38AWA	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8687101DA	1(.5)	54ALS38A	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5962-8687101CA	1(.5)	54ALS38A	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5962-8687201DA	3(4)	54F38	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5962-8687201CA	3(4)	54F38	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5962-86872012A	3(4)	54F38	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5962-86874012A	1(0)	54F241M/B2AJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
5962-8687901EA		HS1-3182/883	LINE DRIVER, ARINC BUS INTERFACE	HARRIS
5962-86879013A		HS4-3182/883	LINE DRIVER, ARINC BUS INTERFACE	HARRIS
5962-8688001XA		HS4-3282/883	BUS INTERFACE CIRCUIT, ARINC	HARRIS
5962-8688001QA		HS1-3282/883	BUS INTERFACE CIRCUIT, ARINC	HARRIS
5962-8688201XA	1	AD581SH/883B	VOLT. REFERENCE, 10V, PRECISION	ANALOG DEVICES
5962-8688202XA	1	AD581TH/883B	VOLT. REFERENCE, 10V, PRECISION	ANALOG DEVICES
5962-8688203XA	1	AD581UH/883B	VOLT. REFERENCE, 10V, PRECISION	ANALOG DEVICES
5962-8688301CA		CD54HCT08F3A	AND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	HARRIS
5962-86884012A	1(.5)	54HC238	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
5962-8688401EA		CD54HC238F3A	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	HARRIS
5962-8688401EA	1(.5)	54HC238	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
5962-8688501JA		CD54HC646F3A	BUS TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	HARRIS
5962-8688601EA	1	54HC4538/BEAJC	MULTIBIBRATOR, DUAL MONOSTABLE RETRIGGERABLE, PRECISION	MOTOROLA
5962-86886012A	1	54HC4538M/B2AJC	MULTIBIBRATOR, DUAL MONOSTABLE RETRIGGERABLE, PRECISION	MOTOROLA
5962-8688601EA		CD54HC4538F3A	MULTIBIBRATOR, DUAL MONOSTABLE RETRIGGERABLE, PRECISION	HARRIS
5962-86888022A	1(1)	55189A	LINE RECEIVER, QUAD	T.I.
5962-8688802DA	1(1)	55189A	LINE RECEIVER, QUAD	T.I.
5962-8688802CA	1(1)	55189A	LINE RECEIVER, QUAD	T.I.
5962-8688901DA	1(1)	55188	LINE DRIVER, QUAD	T.I.
5962-86889012A	1(1)	55188	LINE DRIVER, QUAD	T.I.
5962-8688901CA	1(1)	55188	LINE DRIVER, QUAD	T.I.
5962-8689001CA		CD54HCT14F3A	HEX INVERTER, SCHMITT TRIGGER, WITH TTL-COMPATIBLE INPUTS	HARRIS
5962-8689101EA		CD54HC191F3A	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH PRESET	HARRIS
5962-8700101FA	1	10H536/BFAJC	UNIVERSAL COUNTER	MOTOROLA
5962-8700101EA	1	10H536/BEAJC	UNIVERSAL COUNTER	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-87001012A	1	10H536M/B2AJC	UNIVERSAL COUNTER	MOTOROLA
5962-87501012A	1	10H515M/B2AJC	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
5962-8750101EA	1	10H515/BEAJC	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
5962-8750101FA	1	10H515/BFAJC	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
5962-8750201FA	1	10H516/BFAJC	LINE RECEIVER, TRIPLE	MOTOROLA
5962-87502012A	1	10H516M/B2AJC	LINE RECEIVER, TRIPLE	MOTOROLA
5962-8750201EA	1	10H516/BEAJC	LINE RECEIVER, TRIPLE	MOTOROLA
5962-87503012A	1	10H501M/B2AJC	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA
5962-8750301EA	1	10H501/BEAJC	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA
5962-8750301FA	1	10H501/BFAJC	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA
5962-8750401FA	1	10H504/BFAJC	AND GATE, QUAD 2-INPUT	MOTOROLA
5962-8750401EA	1	10H504/BEAJC	AND GATE, QUAD 2-INPUT	MOTOROLA
5962-87504012A	1	10H504M/B2AJC	AND GATE, QUAD 2-INPUT	MOTOROLA
5962-8750501FA	1	10H535/BFAJC	FLIP-FLOP, JK, DUAL, MASTER SLAVE	MOTOROLA
5962-8750501EA	1	10H535/BEAJC	FLIP-FLOP, JK, DUAL, MASTER SLAVE	MOTOROLA
5962-87505012A	1	10H535M/B2AJC	FLIP-FLOP, JK, DUAL, MASTER SLAVE	MOTOROLA
5962-8750601FA	1	10H574/BFAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
5962-87506012A	1	10H574M/B2AJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
5962-8750601EA	1	10H574/BEAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
5962-87507012A	1	10H505M/B2AJC	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
5962-8750701FA	1	10H505/BFAJC	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
5962-8750701EA	1	10H505/BEAJC	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
5962-87508012A	1	10H525/B2AJC	LOGIC-LEVEL CONVERTER, ECL-TO-TTL	MOTOROLA
5962-8750801EA	1	10H525/BEAJC	LOGIC-LEVEL CONVERTER, ECL-TO-TTL	MOTOROLA
5962-8750801FA	1	10H525/BFAJC	LOGIC-LEVEL CONVERTER, ECL-TO-TTL	MOTOROLA
5962-87509012A	1	10H588M/B2AJC	HEX BUFFER, WITH ENABLE	MOTOROLA
5962-8750901FA	1	10H588/BFAJC	HEX BUFFER, WITH ENABLE	MOTOROLA
5962-8750901EA	1	10H588/BEAJC	HEX BUFFER, WITH ENABLE	MOTOROLA
5962-87510012A	1	10H589M/B2AJC	HEX INVERTER, WITH ENABLE	MOTOROLA
5962-8751001EA	1	10H589/BEAJC	HEX INVERTER, WITH ENABLE	MOTOROLA
5962-8751001FA	1	10H589/BFAJC	HEX INVERTER, WITH ENABLE	MOTOROLA
5962-87511012A	1	10H541M/B2AJC	SHIFT REGISTER, 4-BIT UNIVERSAL	MOTOROLA
5962-8751101FA	1	10H541/BFAJC	SHIFT REGISTER, 4-BIT UNIVERSAL	MOTOROLA
5962-8751101EA	1	10H541/BEAJC	SHIFT REGISTER, 4-BIT UNIVERSAL	MOTOROLA
5962-8751201FA	1	10H576/BFAJC	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE	MOTOROLA
5962-8751201EA	1	10H576/BEAJC	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE	MOTOROLA
5962-87512012A	1	10H576M/B2AJC	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8751701FA	1(<.5)	54LS590	BINARY COUNTER, 8-BIT, WITH 3-STATE OUTPUT REGISTERS	T.I.
5962-8751701CA	1(<.5)	54LS590	BINARY COUNTER, 8-BIT, WITH 3-STATE OUTPUT REGISTERS	T.I.
5962-87517012A	1(<.5)	54LS590	BINARY COUNTER, 8-BIT, WITH 3-STATE OUTPUT REGISTERS	T.I.
5962-8752101VA	1	MM54C922J/883	KEYBOARD ENCODER, 16-KEY, WITH 3-STATE OUTPUTS	NATIONAL
5962-8752201CA	1	DS9622MJ/883	LINE RECEIVER, DUAL	NATIONAL
5962-8752201AA	1	DS9622MW/883	LINE RECEIVER, DUAL	NATIONAL
5962-87522012A	1	DS9622ME/883	LINE RECEIVER, DUAL	NATIONAL
5962-8752301PA	3	DS9636AJ/883	LINE RECEIVER. DUAL DIFFERENTIAL. PROGRAMMABLE SLEW RATE	NATIONAL
5962-8752401PA	2	DS9637AMJ/883	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
5962-8752501MCA	3	54ACT74DMQB	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR AND TTL-COMPATIBLE INPUTS	NATIONAL
5962-8752501M2A	3	54ACT74LMQB	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR AND TTL-COMPATIBLE INPUTS	NATIONAL
5962-8752501MDA	3	54ACT74FMQB	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR AND TTL-COMPATIBLE INPUTS	NATIONAL
5962-87533013A	1(1)	54ALS857	DATA SEL/MULTIPLEXER, HEX 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
5962-8753301LA	1(1)	54ALS857	DATA SEL/MULTIPLEXER, HEX 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
5962-8754001CA	1	AD585SQ/883B	SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	ANALOG DEVICES
5962-87540012A	1	AD585SE/883B	SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	ANALOG DEVICES
5962-87541012A	1	10H610M/B2AJC	OR GATE, DUAL 3-INPUT, 3-OUTPUT	MOTOROLA
5962-8754101EA	1	10H610/BEAJC	OR GATE, DUAL 3-INPUT, 3-OUTPUT	MOTOROLA
5962-8754101FA	1	10H610/BFAJC	OR GATE, DUAL 3-INPUT, 3-OUTPUT	MOTOROLA
5962-8754501CA	1	LM760J/883	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-8754501GA	1	LM760H/883	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-8754601PA	2	DS9638J/883	LINE DRIVER, DUAL DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-87547012A	3(4)	55110A	LINE DRIVER, DUAL	T.I.
5962-8754701DA	3(4)	55110A	LINE DRIVER, DUAL	T.I.
5962-8754701CA	3(4)	55110A	LINE DRIVER, DUAL	T.I.
5962-87547022A	1( )	55109A	LINE DRIVER, DUAL	T.I.
5962-8754702DA	1( )	55109A	LINE DRIVER. DUAL	T.I.
5962-8754702CA	1( )	55109A	LINE DRIVER, DUAL	T.I.
5962-87549012A	3	54AC00LMQB	NAND GATE, QUAD 2-INPUT	NATIONAL
5962-8754901CA	3	54AC00DMQB	NAND GATE, QUAD 2-INPUT	NATIONAL
5962-8754901DA	3	54AC00FMQB	NAND GATE, QUAD 2-INPUT	NATIONAL
5962-8754901CA	2	54AC00/BCAJC	NAND GATE, QUAD 2-INPUT	MOTOROLA
5962-8755001RA	3	54AC240/BRAJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
5962-87550012A	3	54AC240LMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8755001RA	3	54AC240DMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8755001SA	3	54AC240FMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-87551012A	3	54AC241LMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8755101RA	3	54AC241DMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8755101SA	3	54AC241FMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-87552012A	3	54AC244LMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8755201SA	3	54AC244FMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8755201RA	3	54AC244/BRAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
5962-8755201RA	3	54AC244DMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-87553012A	3	54ACT139LMQB	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE	NATIONAL
5962-8755301FA	3	54ACT139FMQB	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE	NATIONAL
5962-8755301EA	3	54ACT139DMQB	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE	NATIONAL
5962-8755401M2A	3	54ACT138LMQB	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
5962-8755401MEA	3	54ACT138DMQB	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
5962-8755401MFA	3	54ACT138FMQB	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
5962-87555012A	3	54AC373LMQB	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8755501RA	3	54AC373DMQB	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8755501SA	3	54AC373FMQB	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8755601RA	3	54ACT373DMQB	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-87556012A	3	54ACT373LMQB	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS. TTL-COMPATIBLE INPUTS	NATIONAL
5962-8755601SA	3	54ACT373FMQB	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8755701FA	1	10H502/BFAJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
5962-87557012A	1	10H502M/B2AJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
5962-8755701EA	1	10H502/BEAJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
5962-8755801EA	1	10H513/BEAJC	EXCLUSIVE-OR GATE, QUAD	MOTOROLA
5962-87558012A	1	10H513M/B2AJC	EXCLUSIVE-OR GATE, QUAD	MOTOROLA
5962-8755801FA	1	10H513/BFAJC	EXCLUSIVE-OR GATE, QUAD	MOTOROLA
5962-8755901EA	1	10H518/BEAJC	OR-AND GATE, DUAL 2-WIDE 3-INPUT	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-87559012A	1	10H518M/B2AJC	OR-AND GATE, DUAL 2-WIDE 3-INPUT	MOTOROLA
5962-8755901FA	1	10H518/BFAJC	OR-AND GATE, DUAL 2-WIDE 3-INPUT	MOTOROLA
5962-87560012A	1	10H524M/B2AJC	LOGIC-LEVEL CONVERTER, TTL-TO-ECL, QUAD	MOTOROLA
5962-8756001FA	1	10H524/BFAJC	LOGIC-LEVEL CONVERTER, TTL-TO-ECL, QUAD	MOTOROLA
5962-8756001EA	1	10H524/BEAJC	LOGIC-LEVEL CONVERTER, TTL-TO-ECL, QUAD	MOTOROLA
5962-8756101EA	1	10H531/BEAJC	FLIP-FLOP, D-TYPE, DUAL, MASTER/SLAVE	MOTOROLA
5962-8756101FA	1	10H531/BFAJC	FLIP-FLOP, D-TYPE, DUAL, MASTER/SLAVE	MOTOROLA
5962-87561012A	1	10H531M/B2AJC	FLIP-FLOP, D-TYPE, DUAL, MASTER/SLAVE	MOTOROLA
5962-8756201FA	1	10H560/BFAJC	PARITY GENERATOR/CHECKER, 12-BIT	MOTOROLA
5962-8756201EA	1	10H560/BEAJC	PARITY GENERATOR/CHECKER, 12-BIT	MOTOROLA
5962-87562012A	1	10H560M/B2AJC	PARITY GENERATOR/CHECKER, 12-BIT	MOTOROLA
5962-8756301FA	1	10H586/BFAJC	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE, WITH RESET	MOTOROLA
5962-8756301EA	1	10H586/BEAJC	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE, WITH RESET	MOTOROLA
5962-87563012A	1	10H586M/B2AJC	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE, WITH RESET	MOTOROLA
5962-87564012A	1	10H506M/B2AJC	NOR GATE, TRIPLE 4-3-3 INPUT	MOTOROLA
5962-8756401FA	1	10H506/BFAJC	NOR GATE, TRIPLE 4-3-3 INPUT	MOTOROLA
5962-8756401EA	1	10H506/BEAJC	NOR GATE, TRIPLE 4-3-3 INPUT	MOTOROLA
5962-8756501FA	1	10H503/BFAJC	OR GATE, QUAD 2-INPUT	MOTOROLA
5962-87565012A	1	10H503M/B2AJC	OR GATE, QUAD 2-INPUT	MOTOROLA
5962-8756501EA	1	10H503/BEAJC	OR GATE, QUAD 2-INPUT	MOTOROLA
5962-8756601EA	1	10H558/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
5962-8756601FA	1	10H558/BFAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
5962-87566012A	1	10H558M/B2AJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
5962-87567012A	1	10H561M/B2AJC	DECODER, BINARY TO 1-OF-8	MOTOROLA
5962-8756701EA	1	10H561/BEAJC	DECODER, BINARY TO 1-OF-8	MOTOROLA
5962-8756701FA	1	10H561/BFAJC	DECODER, BINARY TO 1-OF-8	MOTOROLA
5962-87568012A	1	10H571M/B2AJC	DECODER, BINARY TO 1-4	MOTOROLA
5962-8756801FA	1	10H571/BFAJC	DECODER, BINARY TO 1-4	MOTOROLA
5962-8756801EA	1	10H571/BEAJC	DECODER, BINARY TO 1-4	MOTOROLA
5962-8756901FA	1	10H609/BFAJC	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
5962-87569012A	1	10H609M/B2AJC	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
5962-8756901EA	1	10H609/BEAJC	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
5962-8757101XA	2	AD590JF/883B	TEMPERATURE TRANSDUCER	ANALOG DEVICES
5962-8757101YA	2	AD590JH/883B	TEMPERATURE TRANSDUCER	ANALOG DEVICES
5962-8757102XA	2	AD590KF/883B	TEMPERATURE TRANSDUCER	ANALOG DEVICES
5962-8757102YA	2	AD590KH	TEMPERATURE TRANSDUCER	ANALOG DEVICES
5962-8757103YA	2	AD590LH/883B	TEMPERATURE TRANSDUCER	ANALOG DEVICES

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8757103XA	2	AD590LF/883B	TEMPERATURE TRANSDUCER	ANALOG DEVICES
5962-8757104YA	2	AD590MH/883B	TEMPERATURE TRANSDUCER	ANALOG DEVICES
5962-8757104XA	2	AD590MF/883B	TEMPERATURE TRANSDUCER	ANALOG DEVICES
5962-8757203CA	1	LM161J/883B	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-8757203BA	1	LM161F/883B	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-8757203IA	1	LM161H/883B	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-8757701RA		MD82C86H-5/883	BUS TRANSCEIVER, 8-BIT	HARRIS
5962-87577012A		MR82C86H-5/883	BUS TRANSCEIVER, 8-BIT	HARRIS
5962-8757702RA		MD82C87H-5/883	BUS TRANSCEIVER, 8-BIT, WITH INVERTING OUTPUTS	HARRIS
5962-87577022A		MR82C87H-5/883	BUS TRANSCEIVER, 8-BIT, WITH INVERTING OUTPUTS	HARRIS
5962-87578012A	3(4)	LT1007A	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
5962-8757801PA	3(4)	LT1007A	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
5962-8759001EA	1	10H416/BEAJC	BINARY COUNTER, 4-BIT	MOTOROLA
5962-87590012A	1	10H416M/B2AJC	BINARY COUNTER, 4-BIT	MOTOROLA
5962-8759001FA	1	10H416/BFAJC	BINARY COUNTER, 4-BIT	MOTOROLA
5962-8759401XA	3	LM185H-1.2/883	VOLT. REFERENCE DIODE	NATIONAL
5962-8759402XA	3	LM185H-2.5/883	VOLT. REFERENCE DIODE	NATIONAL
5962-8759405XA	3	LM185BYH1.2/883	VOLT. REFERENCE DIODE	NATIONAL
5962-8759406XA	3	LM185BYH2.5/883	VOLT. REFERENCE DIODE	NATIONAL
5962-8760401GA	1	LM10H/883B	OP AMP/VOLT. REFERENCE	NATIONAL
5962-8760501IA	2	LM104H/883B	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
5962-8760601GA	1	LM110H/883B	VOLT. FOLLOWER, HIGH-SPEED	NATIONAL
5962-8760601CA	1	LM110J/883B	VOLT. FOLLOWER, HIGH-SPEED	NATIONAL
5962-8760601PA	1	LM110J-8/883B	VOLT. FOLLOWER, HIGH-SPEED	NATIONAL
5962-8760701GA	2	LM131AH/883B	VOLT.-TO-FREQUENCY CONVERTER	NATIONAL
5962-8760801GA	1(0)	LF198H/883B	SAMPLE AND HOLD AMPLIFIER	NATIONAL
5962-8760901CA	1	54AC04DMQB	HEX INVERTER	NATIONAL
5962-87609012A	1	54AC04LMQB	HEX INVERTER	NATIONAL
5962-8760901DA	1	54AC04FMQB	HEX INVERTER	NATIONAL
5962-87610012A	1	54AC10LMQB	NAND GATE, TRIPLE 3-INPUT	NATIONAL
5962-8761001CA	1	54AC10DMQB	NAND GATE, TRIPLE 3-INPUT	NATIONAL
5962-8761001DA	1	54AC10FMQB	NAND GATE, TRIPLE 3-INPUT	NATIONAL
5962-87611012A	1	54AC11LMQB	AND GATE, TRIPLE 3-INPUT	NATIONAL
5962-8761101DA	1	54AC11FMQB	AND GATE, TRIPLE 3-INPUT	NATIONAL
5962-8761101CA	1	54AC11DMQB	AND GATE, TRIPLE 3-INPUT	NATIONAL
5962-8761201CA	1	54AC02DMQB	NOR GATE, QUAD 2-INPUT	NATIONAL
5962-8761201DA	1	54AC02FMQB	NOR GATE, QUAD 2-INPUT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8761201CA	3	54AC02/BCAJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
5962-87612012A	1	54AC02LMQB	NOR GATE, QUAD 2-INPUT	NATIONAL
5962-8761301DA	1	54AC20FMQB	NAND GATE, DUAL 4-INPUT	NATIONAL
5962-8761301CA	1	54AC20DMQB	NAND GATE, DUAL 4-INPUT	NATIONAL
5962-87613012A	1	54AC20LMQB	NAND GATE, DUAL 4-INPUT	NATIONAL
5962-8761401DA	1	54AC32FMQB	OR GATE, QUAD 2-INPUT	NATIONAL
5962-87614012A	1	54AC32LMQB	OR GATE, QUAD 2-INPUT	NATIONAL
5962-8761401CA	1	54AC32DMQB	OR GATE, QUAD 2-INPUT	NATIONAL
5962-87615012A	1	54AC08LMQB	AND GATE, QUAD 2-INPUT	NATIONAL
5962-8761501CA	1	54AC08DMQB	AND GATE, QUAD 2-INPUT	NATIONAL
5962-8761501DA	1	54AC08FMQB	AND GATE, QUAD 2-INPUT	NATIONAL
5962-8761801VA		HI1-524/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL WIDEBAND VIDEO	HARRIS
5962-8762101FA	1(.5)	54LS592	BINARY COUNTER, 8-BIT, WITH INPUT REGISTERS	T.I.
5962-87621012A	1(.5)	54LS592	BINARY COUNTER, 8-BIT, WITH INPUT REGISTERS	T.I.
5962-8762101EA	1(.5)	54LS592	BINARY COUNTER, 8-BIT, WITH INPUT REGISTERS	T.I.
5962-87622012A	1	54AC138LMQB	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
5962-8762201EA	1	54AC138DMQB	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
5962-8762201FA	1	54AC138FMQB	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
5962-8762301EA	1	54AC139DMQB	DECODER, DUAL 2-TO-4-LINE	NATIONAL
5962-8762301FA	1	54AC139FMQB	DECODER, DUAL 2-TO-4-LINE	NATIONAL
5962-87623012A	1	54AC139LMQB	DECODER, DUAL 2-TO-4-LINE	NATIONAL
5962-8762401DA	1	54AC14FMQB	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
5962-8762401CA	1	54AC14DMQB	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
5962-87624012A	1	54AC14LMQB	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
5962-87625012A	1	54AC153LMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
5962-8762501FA	1	54AC153FMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
5962-8762501EA	1	54AC153DMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
5962-8762601FA	3	54AC174FMQB	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
5962-87626012A	1	54AC174LMQB	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
5962-8762701SA	3	54FCT377FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-87627012A	3	54FCT377LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8762701RA	3	54FCT377DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8762801SA	1	54FCT374FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL
5962-87628012A	2	54FCT374LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8762801RA	1	54FCT374DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL
5962-8762901RA	3	54FCT245DMQB	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8762901SA	3	54FCT245FMQB	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8763001SA	2	54FCT244FMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8763001RA	2	54FCT244DMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-87630012A	2	54FCT244LMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8763101SA	3	54ACT374FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-87631012A	3	54ACT374LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8763101RA	3	54ACT374DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8763501RA	1	AD670SD/883B	A/D CONVERTER, 8-BIT, WITH INPUT AMPLIFIER	ANALOG DEVICES
5962-8764301EA	1	3517/BEAJC	MODULATOR/DEMODULATOR, CONTINOUSLY VARIABLE SLOPE DELTA	MOTOROLA
5962-87643012A	1	3517M/B2AJC	MODULATOR/DEMODULATOR, CONTINOUSLY VARIABLE SLOPE DELTA	MOTOROLA
5962-87644012A	2	54FCT373LMQB	LATCH, D-TYPE, 8-BIT, TRANSPARENT, W/NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INP	NATIONAL
5962-8764401RA	2	54FCT373DMQB	LATCH, D-TYPE, 8-BIT, TRANSPARENT, W/NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INP	NATIONAL
5962-8764401SA	1	54FCT373FMQB	LATCH, D-TYPE, 8-BIT, TRANSPARENT, W/NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INP	NATIONAL
5962-8764501EA	1	1524BJ	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
5962-8764601EA	1	14490A/BEAJC	CONTACT BOUNCE ELIMINATOR, HEX	MOTOROLA
5962-8764701CA		CD54HC03F3A	NAND GATE, QUAD 2-INPUT, WITH OPEN-DRAIN OUTPUTS	HARRIS
5962-8764701CA	1	54HC03/BCAJC	NAND GATE, QUAD 2-INPUT, WITH OPEN-DRAIN OUTPUTS	MOTOROLA
5962-87647012A	1	54HC03M/B2AJC	NAND GATE, QUAD 2-INPUT, WITH OPEN-DRAIN OUTPUTS	MOTOROLA
5962-8765301JC	1	ICM7170MDG	CLOCK, REAL-TIME, MICROPROCESSOR-COMPATIBLE	HARRIS
5962-8765301JA		ICM7170MDG/883B	CLOCK, REAL-TIME, MICROPROCESSOR-COMPATIBLE	HARRIS
5962-87654012A	3	54FCT138LMQB	DECODER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8765401EA	3	54FCT138DMQB	DECODER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8765401FA	3	54FCT138FMQB	DECODER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8765501SA		54FCT240FMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-87655012A	2	54FCT240LMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8765501RA	2	54FCT240DMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-87656012A	3	54FCT273LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR,	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			TTL-COMPATIBLE INPUTS	
5962-8765601RA	3	54FCT273DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8765601SA	3	54FCT273FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8765701GA	1	1590/BGAJC	WIDEBAND AMPLIFIER, WITH AGC	MOTOROLA
5962-87658012A	1(.5)	TLC372	VOLT. COMPARATOR, DUAL DIFFERENTIAL	T.I.
5962-8765801PA	1(.5)	TLC372	VOLT. COMPARATOR, DUAL DIFFERENTIAL	T.I.
5962-87659012A	1(.5)	TLC374	VOLT. COMPARATOR, QUAD DIFFERENTIAL	T.I.
5962-8765901CA	1(.5)	TLC374	VOLT. COMPARATOR, QUAD DIFFERENTIAL	T.I.
5962-8766001GC		ICL7667MTV/883B	DRIVER, MOSFET, DUAL POWER	HARRIS
5962-8766001PA		ICL7667MJA/883B	DRIVER, MOSFET, DUAL POWER	HARRIS
5962-8766301M2A	3	54ACT245LMQB	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8766301MSA	3	54ACT245FMQB	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8766301MRA	3	54ACT245DMQB	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8766401SA	3	54ACT573FMQB	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8766401RA	3	54ACT573DMQB	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-87664012A	3	54ACT573LMQB	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8766801MYA	1	MQ80386-16	MICROPROCESSOR, 32-BIT, 16 MHZ	INTEL
5962-8766803MYA	1	MQ80386-20	MICROPROCESSOR, 32-BIT, 20 MHZ	INTEL
5962-8766803QYX	1	MQ80386Q-20	MICROPROCESSOR, 32-BIT, 20 MHZ	INTEL
5962-8766804QYX	1	MQ80386Q-25	MICROPROCESSOR, 32-BIT, 25 MHZ	INTEL
5962-8766804MYA	1	MQ80386-25	MICROPROCESSOR, 32-BIT, 25 MHZ	INTEL
5962-8767101KA	1(0)	PAL20L8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-8767101LA	1(0)	PAL20L8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-87671013A	1(0)	PAL20L8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
5962-8767102KA	1(0)	PAL20R8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-87671023A	1(0)	PAL20R8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8767102LA	1(0)	PAL20R8-20	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8767103KA	1(0)	PAL20R6-20	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8767103LA	1(0)	PAL20R6-20	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-87671033A	1(0)	PAL20R6-20	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			AND-OR	
5962-8767104LA	1(0)	PAL20R4-20	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-87671043A	1(0)	PAL20R4-20	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8767104KA	1(0)	PAL20R4-20	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8767115KA	2(2)	PAL20L8-10	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR INVERT	T.I.
5962-8767115LA	2(2)	PAL20L8-10	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR INVERT	T.I.
5962-87671153A	2(2)	PAL20L8-10	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR INVERT	T.I.
5962-8767116KA	2(2)	PAL20R8-10	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-87671163A	2(2)	PAL20R8-10	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8767116LA	2(2)	PAL20R8-10	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
5962-8767117LA	2(2)	PAL20R6-10	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-87671173A	2(2)	PAL20R6-10	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-8767117KA	2(2)	PAL20R6-10	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
5962-87671183A	2(2)	PAL20R4-10	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8767118KA	2(2)	PAL20R4-10	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8767118LA	2(2)	PAL20R4-10	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
5962-8767119KA	2(2)	PAL20R8-7	PROG. LOGIC DEVICE	T.I.
5962-8767119LA	2(2)	PAL20R8-7	PROG. LOGIC DEVICE	T.I.
5962-87671193A	2(2)	PAL20R8-7	PROG. LOGIC DEVICE	T.I.
5962-8767301CA	1	8767301CA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
5962-8767301IA	1	8768301IA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
5962-8767301XA	1	8767301XA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
5962-8767401CA	1	LM160J-14/883	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-8767401PA	1	LM160J/883	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-8767401GA	1	LM160H/883	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
5962-8767501XA	1(0)	LM150KSTEEL/883B	VOLT. REGULATOR, ADJ., POSITIVE, 3.0A	NATIONAL
5962-8767701CA		HA1-5330/883	SAMPLE AND HOLD AMPLIFIER	HARRIS
5962-87677012A		HA4-5330/883	SAMPLE AND HOLD AMPLIFIER	HARRIS
5962-8768001EA		CD54HC4060F3A	BINARY COUNTER, 14-STAGE	HARRIS
5962-8768101EA	1	1825CJ	PULSE WIDTH MODULATOR CONTROLLER, HIGH SPEED	LINFINITY

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-87681012A	1	1825CL	PULSE WIDTH MODULATOR CONTROLLER, HIGH SPEED	LINFINITY
5962-8768301FA	3(4)	54ALS139	DECODER, DUAL 2-TO-4-LINE	T.I.
5962-8768301EA	3(4)	54ALS139	DECODER, DUAL 2-TO-4-LINE	T.I.
5962-87683012A	3(4)	54ALS139	DECODER, DUAL 2-TO-4-LINE	T.I.
5962-8768901VA	1	8768901VA	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL LATCHABLE	SILICONIX
5962-8769101EA	2	54AC151DMQB	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
5962-8769101FA	2	54AC151FMQB	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
5962-87691012A	2	54AC151LMQB	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
5962-8769201FA	3	54AC251FMQB	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8769201EA	3	54AC251DMQB	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-87692012A	3	54AC251LMQB	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8769301EA	2	54AC253DMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-87693012A	2	54AC253LMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8769301FA	2	54AC253FMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-87694012A	2	54AC374LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8769401SA	2	54AC374FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8769401RA	2	54AC374DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8769501SA	3	54AC540FMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-87695012A	3	54AC540LMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8769501RA	3	54AC540DMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8769701MSA	3	54ACT377FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8769701MRA	3	54ACT377DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8769701M2A	3	54ACT377LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-87698012A	3	54ACT153LMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8769801FA	3	54ACT153FMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8769801EA	3	54ACT153DMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8769901MCA	2	54ACT00DMQB	NAND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
5962-8769901M2A	2	54ACT00LMQB	NAND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8769901MDA	2	54ACT00FMQB	NAND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
5962-8770001EA	1(0)	AD7524	D/A CONVERTER, 8-BIT MULTIPLYING BUFFERED, WITH .5 LSB	T.I.
5962-87700012A	1(0)	AD7524	D/A CONVERTER, 8-BIT MULTIPLYING BUFFERED, WITH .5 LSB	T.I.
5962-87710012A	1(.5)	LM158	OP AMP, DUAL, LOW-POWER	T.I.
5962-8771001PA	1(.5)	LM158	OP AMP, DUAL, LOW-POWER	T.I.
5962-8771001GA	1	LM158H/883	OP AMP, DUAL, LOW-POWER	NATIONAL
5962-8771001PA	1	158/BPAJC	OP AMP, DUAL, LOW-POWER	MOTOROLA
5962-8771001GA	1	158/BGAJC	OP AMP, DUAL, LOW-POWER	MOTOROLA
5962-8771001PA	1	LM158J/883	OP AMP, DUAL, LOW-POWER	NATIONAL
5962-8771002PA	1(.5)	LM158A	OP AMP, DUAL, LOW-POWER	T.I.
5962-8771002GA	1	LM158AH/883	OP AMP, DUAL, LOW-POWER	NATIONAL
5962-8771002PA	1	LM158AJ/883	OP AMP, DUAL, LOW-POWER	NATIONAL
5962-87710022A	1(.5)	LM158A	OP AMP, DUAL, LOW-POWER	T.I.
5962-8771901EA	1	AD625SD/883B	INSTRUMENTATION AMPLIFIER, PROGRAMMABLE GAIN	ANALOG DEVICES
5962-8772101CA		CD54HC125F3A	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS (LOW ENABLE)	HARRIS
5962-8772201CA	2(2)	54HC4075	OR GATE, TRIPLE 3-INPUT	T.I.
5962-8772201CA	1	54HC4075/BCAJC	OR GATE, TRIPLE 3-INPUT	MOTOROLA
5962-8772201CA		CD54HC4075F3A	OR GATE, TRIPLE 3-INPUT	HARRIS
5962-87722012A	2(2)	54HC4075	OR GATE, TRIPLE 3-INPUT	T.I.
5962-87722012A	1	54HC4075M/B2AJC	OR GATE, TRIPLE 3-INPUT	MOTOROLA
5962-8772301EA	1(1)	54HC133	NAND GATE, 13-INPUT	T.I.
5962-87723012A	1(1)	54HC133	NAND GATE, 13-INPUT	T.I.
5962-8772401EA		CD54HC193F3A	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	HARRIS
5962-8772501RA		CD54HCT273F3A	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR, TTL-COMPATIBLE INPUTS	HARRIS
5962-8772701FA	1	10H507/BFAJC	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
5962-8772701EA	1	10H507/BEAJC	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
5962-87727012A	1	10H507M/B2AJC	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
5962-87728012A	1	10H519M/B2AJC	OR-AND GATE, 4-WIDE 4-3-3-3 INPUT	MOTOROLA
5962-8772801FA	1	10H519/BFAJC	OR-AND GATE, 4-WIDE 4-3-3-3 INPUT	MOTOROLA
5962-8772801EA	1	10H519/BEAJC	OR-AND GATE, 4-WIDE 4-3-3-3 INPUT	MOTOROLA
5962-87729012A	1	10H564M/B2AJC	MULTIPLEXER, 8-INPUT	MOTOROLA
5962-8772901FA	1	10H564/BFAJC	MULTIPLEXER, 8-INPUT	MOTOROLA
5962-8772901EA	1	10H564/BEAJC	MULTIPLEXER, 8-INPUT	MOTOROLA
5962-8773001FA	1	10H521/BFAJC	OR-AND/OR-AND-INVERT GATE, 4-WIDE	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8773001EA	1	10H521/BEAJC	OR-AND/OR-AND-INVERT GATE, 4-WIDE	MOTOROLA
5962-87730012A	1	10H521M/B2AJC	OR-AND/OR-AND-INVERT GATE, 4-WIDE	MOTOROLA
5962-8773301EA		CD54HC4511F3A	DECODER/DRIVER, BCD-TO-SEVEN-SEGMENT	HARRIS
5962-8773901CA	1	LM139AJ/883	VOLT. COMPARATOR, QUAD	NATIONAL
5962-8774001EA	1	1543J	POWER SUPPLY OUTPUT SUPERVISORY CIRCUIT	LINFINITY
5962-8774002VA	1	1544J	POWER SUPPLY OUTPUT SUPERVISORY CIRCUIT	LINFINITY
5962-8774301MEA	1	12511/BEAJC	PRESCALER, TWO-MODULUS, ECL-TO-TTL TRANSLATOR	MOTOROLA
5962-8774801MEA	1	12509/BEAJC	PRESCALER, TWO-MODULUS, ECL-TO-TTL TRANSLATOR	MOTOROLA
5962-8774901MEA	1	12513/BEAJC	PRESCALER, TWO-MODULUS, ECL-TO-TTL TRANSLATOR, WITH DIVIDE BY 10 AND 11	MOTOROLA
5962-8775001EA	1	10612/BEAJC	OR/NOR GATE, DUAL 3-INPUT	MOTOROLA
5962-8775001FA	1	10612/BFAJC	OR/NOR GATE, DUAL 3-INPUT	MOTOROLA
5962-87750012A	1	10612M/B2AJC	OR/NOR GATE, DUAL 3-INPUT	MOTOROLA
5962-8775101MEA	1	12514/BEAJC	DIGITAL COUNTER CONTROL LOGIC	MOTOROLA
5962-8775201CA	1	12540/BCAJC	PHASE/FREQUENCY DETECTOR	MOTOROLA
5962-8775401EA		CD54HC4053F3A	ANALOG MULTIPLEXER/DEMULTIPLEXER	HARRIS
5962-8775601SA	3	54AC273FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
5962-8775601RA	3	54AC273DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
5962-87756012A	3	54AC273LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
5962-8775701FA	3	54ACT174/FMQB	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET AND TTL-COMPATIBLE INPUTS	NATIONAL
5962-8775701EA	3	54ACT174/DMQB	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET AND TTL-COMPATIBLE INPUTS	NATIONAL
5962-87757012A	3	54ACT174/LMQB	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET AND TTL-COMPATIBLE INPUTS	NATIONAL
5962-87758012A	3	54AC245LMQB	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
5962-8775801RA	3	54AC245DMQB	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
5962-8775801SA	3	54AC245FMQB	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
5962-8775901M2A	3	54ACT240LMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8775901MRA	3	54ACT240DMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8775901MSA	3	54ACT240FMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8776001MRA	3	54ACT244/BRAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	MOTOROLA
5962-8776001MRA	3	54ACT244DMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8776001MSA	3	54ACT244FMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8776001M2A	3	54ACT244LMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS, TTL-COMPATIBLE INPUTS	
5962-87761012A	3	54ACT253LMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8776101FA	3	54ACT253FMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8776101EA	3	54ACT253DMQB	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8776901EA	2(2)	55121	LINE DRIVER, DUAL	T.I.
5962-87769012A	2(2)	55121	LINE DRIVER, DUAL	T.I.
5962-8777001CA	1	1532J	VOLT. REGULATOR	LINFINITY
5962-87770011A	1	1532T	VOLT. REGULATOR	LINFINITY
5962-8777301EA	1	10598/BEAJC	MULTIVIBRATOR, MONOSTABLE	MOTOROLA
5962-87773012A	1	10598M/B2AJC	MULTIVIBRATOR, MONOSTABLE	MOTOROLA
5962-8777301FA	1	10598/BFAJC	MULTIVIBRATOR, MONOSTABLE	MOTOROLA
5962-8777401YA	3	LM109KSTEEL/883	VOLT. REGULATOR, FIXED, POSITIVE, 5V	NATIONAL
5962-87776012A	1	7812AL	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
5962-8777601XA	1	7812AT	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
5962-8777601UA	1	7812AIG	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
5962-8777601YA	1	7812AK	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
5962-8777601ZA	1	7812AR	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
5962-8777602PA	1(0)	UA78M12		T.I.
5962-87776022A	1(0)	UA78M12		T.I.
5962-8777701XA	2	LM194H/883	TRANSISTOR ARRAY, MATCHED PAIR	NATIONAL
5962-8777801XA	3	LM195H/883	TRANSISTOR ARRAY, POWER	NATIONAL
5962-8777801YA	3	LM195K/883	TRANSISTOR ARRAY, POWER	NATIONAL
5962-8778201XA	1	7805AT	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
5962-8778201ZA	1	7805AR	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
5962-8778201YA	1	7805AK	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
5962-87782012A	1	7805AL	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
5962-8778201UA	1	7805AIG	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
5962-87782022A	1(0)	UA78M05		T.I.
5962-8778202PA	1(0)	UA78M05		T.I.
5962-87783012A		HA4-2400/883	OP AMP, 4-CHANNEL PROGRAMMABLE	HARRIS
5962-8778301EA		HA1-2400/883	OP AMP, 4-CHANNEL PROGRAMMABLE	HARRIS
5962-87784012A		HA4-5190/883	OP AMP, WIDEBAND, FAST SETTLING	HARRIS
5962-8778401CA		HA1-5190/883	OP AMP, WIDEBAND, FAST SETTLING	HARRIS
5962-8778401XC		HA2-5190/883	OP AMP, WIDEBAND, FAST SETTLING	HARRIS
5962-8778501XA		HA2-2541/883	OP AMP, WIDEBAND, FAST SETTLING, UNITY GAIN STABLE	HARRIS
5962-8778701CA		HA1-2539/883	OP AMP, WIDEBAND, HIGH SLEW RATE	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-87787012A		HA4-2539/883	OP AMP, WIDEBAND, HIGH SLEW RATE	HARRIS
5962-8778901EA	1	AD558SD/883B	D/A CONVERTER, 8-BIT, WITH FULL MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-87789012A	1	AD558SE/883B	D/A CONVERTER, 8-BIT, WITH FULL MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-8778902ZA	1	AD558TE/883B	D/A CONVERTER, 8-BIT, WITH FULL MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-8778902EA	1	AD558TD/883B	D/A CONVERTER, 8-BIT, WITH FULL MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-8779201FA	1	10558/BFAJC	MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
5962-87792012A	1	10558M/B2AJC	MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
5962-8779201EA	1	10558/BEAJC	MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
5962-87793012A	1	10586M/B2AJC	FLIP-FLOP, D-TYPE, HEX, WITH COMMON RESET	MOTOROLA
5962-8779301FA	1	10586/BFAJC	FLIP-FLOP, D-TYPE, HEX, WITH COMMON RESET	MOTOROLA
5962-8779301EA	1	10586/BEAJC	FLIP-FLOP, D-TYPE, HEX, WITH COMMON RESET	MOTOROLA
5962-8780101XA	1	AD567SD/883B	D/A CONVERTER, 12-BIT, CURRENT OUTPUT, MICROPROCESSOR-COMPATIBLE	ANALOG DEVICES
5962-8780301CA	1	4344/BCAJC	PHASE/FREQUENCY DETECTOR	MOTOROLA
5962-8780301DA	1	4344/BDAJC	PHASE/FREQUENCY DETECTOR	MOTOROLA
5962-8780501EA		CD54HC221F3A	MULTIVIBRATOR, DUAL MONOSTABLE NON-RETRIGGERABLE, WITH RESET	HARRIS
5962-8780601RA		CD54HC299F3A	SHIFT REGISTER, 8-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	HARRIS
5962-8780701RA		CD54HC377F3A	FLIP-FLOP, D-TYPE, 8-BIT, WITH ENABLE	HARRIS
5962-8780801EA		CD54HC192F3A	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH ASYNCHRONOUS RESET	HARRIS
5962-8780901RA		CD54HC640F3A	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	HARRIS
5962-8835401MYA	1	7824AK		LINFINITY
5962-8835401MXA	1	7824AT		LINFINITY
5962-8835401MZA	1	7824AR		LINFINITY
5962-88502012A		HA4-5104/883	OP AMP, QUAD, LOW-NOISE	HARRIS
5962-8850201CA		HA1-5104/883	OP AMP, QUAD, LOW-NOISE	HARRIS
5962-8850501RA	1	AD573SD/883B	A/D CONVERTER, 10-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-8850502RA	1	AD673SD/883B	A/D CONVERTER, 8-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-88511012A	1(.5)	55116	LINE TRANSCEIVER, DIFFERENTIAL, WITH 3-STATE RECEIVER OUTPUT CIRCUITRY	T.I.
5962-8851101EA	1(.5)	55116	LINE TRANSCEIVER, DIFFERENTIAL, WITH 3-STATE RECEIVER OUTPUT CIRCUITRY	T.I.
5962-8852001DA	3	54AC74FMQB	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
5962-8852001CA	3	54AC74DMQB	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-88520012A	3	54AC74LMQB	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
5962-8852701EA	1	10564/BEAJC	MULTIPLEXER, 8-INPUT	MOTOROLA
5962-8852701FA	1	10564/BFAJC	MULTIPLEXER, 8-INPUT	MOTOROLA
5962-88527012A	1	10564M/B2AJC	MULTIPLEXER. 8-INPUT	MOTOROLA
5962-88534012A	3	54ACT109LMQB	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH TTL-COMPATIBLE INPUTS	NATIONAL
5962-8853401FA	3	54ACT109FMQB	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH TTL-COMPATIBLE INPUTS	NATIONAL
5962-8853401EA	3	54ACT109DMQB	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH TTL-COMPATIBLE INPUTS	NATIONAL
5962-88537012A	1(0)	OP-37A	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
5962-8853701PA	1(0)	OP-37A	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
5962-8853703PA	1(0)	OP-37C	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
5962-88537032A	1(0)	OP-37C	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
5962-8853901EA	1	AD524SD/883B	INSTRUMENTATION AMPLIFIER, PRECISION	ANALOG DEVICES
5962-88540012A	2(2)	54ALS05A	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5962-8854001CA	2(2)	54ALS05A	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5962-88543012A	3	54FCT521LMQB	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8854301RA	3	54FCT521DMQB	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8854301SA	3	54FCT521FMQB	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8855001SA	3	54F273/FMQB	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH ASYNCHRONOUS MASTER RESET	NATIONAL
5962-8855001RA	3	54F273/DMQB	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH ASYNCHRONOUS MASTER RESET	NATIONAL
5962-88550012A	3	54F273/LMQB	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH ASYNCHRONOUS MASTER RESET	NATIONAL
5962-8855301UA	1	7815AIG	VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A	LINFINITY
5962-8855301YA	1	7815AK	VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A	LINFINITY
5962-8855301XA	1	7815AT	VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A	LINFINITY
5962-8855301ZA	1	7815AR	VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A	LINFINITY
5962-88553012A	1	7815AL	VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A	LINFINITY
5962-8855501EA	2	54F378DMQB	REGISTER, D-TYPE, HEX PARALLEL	NATIONAL
5962-8855501FA	2	54F378FMQB	REGISTER, D-TYPE, HEX PARALLEL	NATIONAL
5962-8855501FA	1	54F378/BFAJC	REGISTER, D-TYPE, HEX PARALLEL	MOTOROLA
5962-88555012A	1	54F378M/B2AJC	REGISTER, D-TYPE, HEX PARALLEL	MOTOROLA
5962-88555012A	2	54F378LMQB	REGISTER, D-TYPE, HEX PARALLEL	NATIONAL
5962-8855501EA	1	54F378/BEAJC	REGISTER, D-TYPE, HEX PARALLEL	MOTOROLA
5962-8855601EA		CD54HC4052F3A	ANALOG MULTIPLEXER/DEMULTIPLEXER, DOUBLE-POLE, FOUR-POSITION	HARRIS
5962-88557012A	1	10541M/B2AJC	SHIFT REGISTER, UNIVERSAL	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8855701EA	1	10541/BEAJC	SHIFT REGISTER, UNIVERSAL	MOTOROLA
5962-8855701FA	1	10541/BFAJC	SHIFT REGISTER, UNIVERSAL	MOTOROLA
5962-8856001FA	1	10545/BFAJC	STATIC RAM, 16 X 4, 15 NS ACCESS TIME	MOTOROLA
5962-8856001EA	1	10545/BEAJC	STATIC RAM, 16 X 4, 15 NS ACCESS TIME	MOTOROLA
5962-8856101XA	2	LM199AH/883	VOLT. REFERENCE, PRECISION	NATIONAL
5962-8856102XA	2	LM199H/883	VOLT. REFERENCE, PRECISION	NATIONAL
5962-8856103XA	2	LM199AH-20/883	VOLT. REFERENCE, PRECISION	NATIONAL
5962-8856701PA	3(4)	LT1037A	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
5962-88567012A	3(4)	LT1037A	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
5962-8857101CA	2	1596/BCAJC	MODULATOR/DEMODULATOR, BALANCED	MOTOROLA
5962-8857101IA	2	1596/BIAJC	MODULATOR/DEMODULATOR, BALANCED	MOTOROLA
5962-8857401CA	1	54HC4078/BCAJC	NOR/OR GATE, 8-INPUT	MOTOROLA
5962-88574012A	1	54HC4078M/B2AJC	NOR/OR GATE, 8-INPUT	MOTOROLA
5962-8857601CA		CD54HC21F3A	AND GATE, DUAL 4-INPUT	HARRIS
5962-88577012A	1	10521M/B2AJC	OR-AND/OR-AND-INVERT GATE, 3-INPUT	MOTOROLA
5962-8857701EA	1	10521/BEAJC	OR-AND/OR-AND-INVERT GATE, 3-INPUT	MOTOROLA
5962-8857701FA	1	10521/BFAJC	OR-AND/OR-AND-INVERT GATE, 3-INPUT	MOTOROLA
5962-8857801RA	2(2)	54ALS688	IDENTITY COMPARATOR, 8-BIT	T.I.
5962-8857801SA	2(2)	54ALS688	IDENTITY COMPARATOR, 8-BIT	T.I.
5962-88578012A	2(2)	54ALS688	IDENTITY COMPARATOR, 8-BIT	T.I.
5962-8858901DA	1(?)	54ALS20A	NAND GATE, DUAL 4-INPUT	T.I.
5962-8859001FA	2(2)	54ALS133	NAND GATE, 13-INPUT	T.I.
5962-8859101SA	2(2)	54ALS240A	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-8859601SA	2(2)	54ALS241A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-8860201JA	3(4)	54LS673	SHIFT REGISTER, 16-BIT, SERIAL-IN SERIAL-OUT WITH 16-BIT PARALLEL-OUT STORAGE	T.I.
5962-88602013A	3(4)	54LS673	SHIFT REGISTER, 16-BIT, SERIAL-IN SERIAL-OUT WITH 16-BIT PARALLEL-OUT STORAGE	T.I.
5962-8860201KA	3(4)	54LS673	SHIFT REGISTER, 16-BIT, SERIAL-IN SERIAL-OUT WITH 16-BIT PARALLEL-OUT STORAGE	T.I.
5962-8860201LA	3(4)	54LS673	SHIFT REGISTER, 16-BIT, SERIAL-IN SERIAL-OUT WITH 16-BIT PARALLEL-OUT STORAGE	T.I.
5962-8860601EA	1(.5)	54HC237	DECODER/DEMULTIPLEXER, 3-TO-8-LINE, WITH ADDRESS LATCH	T.I.
5962-88606012A	1(.5)	54HC237	DECODER/DEMULTIPLEXER, 3-TO-8-LINE, WITH ADDRESS LATCH	T.I.
5962-8860601EA		CD54HC237F3A	DECODER/DEMULTIPLEXER, 3-TO-8-LINE, WITH ADDRESS LATCH	HARRIS
5962-88607013A	1(1)	54LS674	SHIFT REGISTER, 16-BIT PAR. TO SER.	T.I.
5962-8860701KA	1(1)	54LS674	SHIFT REGISTER, 16-BIT PAR. TO SER.	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8860701LA	1(1)	54LS674	SHIFT REGISTER, 16-BIT PAR. TO SER.	T.I.
5962-8860701JA	1(1)	54LS674	SHIFT REGISTER, 16-BIT PAR. TO SER.	T.I.
5962-8861501XA		AD674AUD/883B	A/D CONVERTER, 12-BIT, HIGH PERFORMANCE, MULTI-CHIP, W/MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-88615013A		AD674AUE/883B	A/D CONVERTER, 12-BIT, HIGH PERFORMANCE, MULTI-CHIP, W/MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-88615023A		AD674ATE/883B	A/D CONVERTER, 12-BIT, HIGH PERFORMANCE, MULTI-CHIP, W/MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-8861502XA		AD674ATD/883B	A/D CONVERTER, 12-BIT, HIGH PERFORMANCE, MULTI-CHIP, W/MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-8862001CA	1(.5)	54HC09	AND GATE, QUAD 2-INPUT, WITH OPEN-DRAIN OUTPUTS	T.I.
5962-88620012A	*1(.5)*	*54HC09*	*AND GATE, QUAD 2-INPUT, WITH OPEN-DRAIN OUTPUTS*	*T.I.*
5962-88621012A	2(2)	54ALS86	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
5962-8862101DA	2(2)	54ALS86	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
5962-8862101CA	2(2)	54ALS86	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
5962-8862401JA		CD54HCT4059F3A	COUNTER, PROGRAMMABLE DIVIDE-BY-N, WITH TTL-COMPATIBLE INPUTS	HARRIS
5962-8862501EA	3(4)	54ALS158	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
5962-88625012A	3(4)	54ALS158	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
5962-8862501FA	3(4)	54ALS158	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
5962-8862601EA	*2(2)*	*54ALS258A*	*DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS*	*T.I.*
5962-8862601FA	2(2)	54ALS258A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
5962-88626012A	2(2)	54ALS258A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
5962-8862801YC	1	UT1553BBCRTW	BUS CONTROLLER, REMOTE TERMINAL	UTMC
5962-8862801YA	1	UT1553BBCRTW	BUS CONTROLLER, REMOTE TERMINAL	UTMC
5962-8862801XA	1	UT1553BBCRTG	BUS CONTROLLER, REMOTE TERMINAL	UTMC
5962-8862801XC	1	UT1553BBCRTG	BUS CONTROLLER, REMOTE TERMINAL	UTMC
5962-8862801ZC	*1*	*UT1553BBCRTA*	*BUS CONTROLLER, REMOTE TERMINAL*	*UTMC*
5962-8862801ZA	1	UT1553BBCRTA	BUS CONTROLLER, REMOTE TERMINAL	UTMC
5962-8863101PA	1	DS1631J-8/883	PERIPHERAL DRIVER, DUAL AND, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
5962-8863101GA	1	DS1631H/883	PERIPHERAL DRIVER, DUAL AND, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
5962-8863901RA	2	54FCT573DMQB	LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8863901SA	2	54FCT573FMQB	LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-88639012A	2	54FCT573LMQB	LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8864401UA	2	UT63M105PB	BUS TRANSCEIVER	UTMC
5962-8864401UC	2	UT63M105PB	BUS TRANSCEIVER	UTMC

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8864402UA	2	UT63M107PB	BUS TRANSCEIVER	UTMC
5962-8864402UC	2	UT63M107PB	BUS TRANSCEIVER	UTMC
5962-8864403UA	2	UT63M115PB	BUS TRANSCEIVER	UTMC
5962-8864403UC	2	UT63M115PB	BUS TRANSCEIVER	UTMC
5962-8864404UA	2	UT63M117PB	BUS TRANSCEIVER	UTMC
5962-8864404UC	2	UT63M117PB	BUS TRANSCEIVER	UTMC
5962-8864405ZA	2	UT63M125CB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864405YC	2	UT63M125DB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864405ZC	2	UT63M125CB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864405YA	2	UT63M125DB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864405XA	2	UT63M125BB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864405XC	2	UT63M125BB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864406YA	2	UT63M127DB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864406XC	2	UT63M127BB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864406XA	2	UT63M127BB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864406YC	2	UT63M127DB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864406ZA	2	UT63M127CB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864406ZC	2	UT63M127CB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864407ZA	2	UT63M135CB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864407YC	2	UT63M135DB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864407ZC	2	UT63M135CB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864407XA	2	UT63M135BB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864407YA	2	UT63M135DB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864407XC	2	UT63M135BB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864408YA	2	UT63M137DB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864408YC	2	UT63M137DB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864408XC	2	UT63M137BB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864408XA	2	UT63M137BB	BUS TRANSCEIVER, DUAL	UTMC
5962-8864501YC	1	UT1553RTMPW	REMOTE TERMINAL MULTI-PROTOCOL	UTMC
5962-8864501XA	1	UT1553RTMPG	REMOTE TERMINAL MULTI-PROTOCOL	UTMC
5962-8864501YA	2	UT1553RTMPW	REMOTE TERMINAL MULTI-PROTOCOL	UTMC
5962-8864501XC	1	UT1553RTMPG	REMOTE TERMINAL MULTI-PROTOCOL	UTMC
5962-8864801EA	2(2)	55ALS194	LINE DRIVER, QUAD DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
5962-88648012A	2(2)	55ALS194	LINE DRIVER, QUAD DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
5962-8864901EA	1(.5)	55ALS195	LINE RECEIVER, QUAD DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
5962-88649012A	1(.5)	55ALS195	LINE RECEIVER, QUAD DIFFERENTIAL, WITH 3-STATE	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
5962-8865101RA	1	54FCT533DMQB	LATCH, 8-BIT, TRANSPARENT	NATIONAL
5962-88651012A	1	54FCT533LMQB	LATCH, 8-BIT, TRANSPARENT	NATIONAL
5962-8865101SA	1	54FCT533FMQB	LATCH, 8-BIT, TRANSPARENT	NATIONAL
5962-8865901XA	1	AD667SD/883B	D/A CONVERTER, 12-BIT, VOLTAGE OUTPUT, MICROPROCESSOR COMPATIBLE	ANALOG DEVICES
5962-88659013A	1	AD667SE/883B	D/A CONVERTER, 12-BIT, VOLTAGE OUTPUT, MICROPROCESSOR COMPATIBLE	ANALOG DEVICES
5962-8866201XA	1(0)	6206C-100/BXAJC	STATIC RAM, 32K X 8, 100 NS ACCESS TIME	MOTOROLA
5962-8866202XA	1(0)	6206C-70/BXAJC	STATIC RAM, 32K X 8, 70 NS ACCESS TIME	MOTOROLA
5962-8866203XA	1(0)	6206C-55/BXAJC	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 55 NS ACCESS TIME	MOTOROLA
5962-8866204XA	1(0)	6206C-45/BXAJC	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 45 NS ACCESS TIME	MOTOROLA
5962-8866204YA	1(0)	6206C-45/BUAJC	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 45 NS ACCESS TIME	MOTOROLA
5962-8866205TA	2	6206C-35/BYAJC	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 35 NS ACCESS TIME	MOTOROLA
5962-8866401EA	1	3081J	TRANSISTOR ARRAY, HIGH-CURRENT NPN	LINFINITY
5962-8866801SA	2(2)	54ALS534	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
5962-88668012A	2(2)	54ALS534	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
5962-8866801RA	2(2)	54ALS534	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
5962-8867101EA		CD54HCT191F3A	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE, TTL-COMPATIBLE INPUTS	HARRIS
5962-8867201EA		CD54HCT85F3A	MAGNITUDE COMPARATOR, 4-BIT	HARRIS
5962-8867301LA	2(2)	54ALS652	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
5962-88673013A	2(2)	54ALS652	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
5962-8867301KA	2(2)	54ALS652	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
5962-88685012A	3(4)	TL7705A	SUPPLY VOLTAGE SUPERVISOR	T.I.
5962-8868501PA	3(4)	TL7705A	SUPPLY VOLTAGE SUPERVISOR	T.I.
5962-88685022A	3(4)	TL7702A	SUPPLY VOLTAGE SUPERVISOR	T.I.
5962-8868502PA	3(4)	TL7702A	SUPPLY VOLTAGE SUPERVISOR	T.I.
5962-8868503HA	3(4)	TL7705B	SUPPLY VOLTAGE SUPERVISOR	T.I.
5962-88685032A	3(4)	TL7705B	SUPPLY VOLTAGE SUPERVISOR	T.I.
5962-8868503PA	3(4)	TL7705B	SUPPLY VOLTAGE SUPERVISOR	T.I.
5962-8868504PA	3(4)	TL7702B	SUPPLY VOLTAGE SUPERVISOR	T.I.
5962-88685042A	3(4)	TL7702B	SUPPLY VOLTAGE SUPERVISOR	T.I.
5962-8868505PA	3(4)	TL7705B	SUPPLY VOLTAGE SUPERVISOR	T.I.
5962-88685052A	3(4)	TL7705B	SUPPLY VOLTAGE SUPERVISOR	T.I.
5962-8868505HA	3(4)	TL7705B	SUPPLY VOLTAGE SUPERVISOR	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8869001JA		HM1-6642/883	PROM, 512 X 8, 220 NS ACCESS TIME	HARRIS
5962-8869001LA		HM6-6642/883	PROM, 512 X 8, 220 NS ACCESS TIME	HARRIS
5962-88690013A		HM4-6642/883	PROM, 512 X 8, 220 NS ACCESS TIME	HARRIS
5962-88690023A		HM4-6642B/883	PROM, 512 X 8, 140 NS ACCESS TIME	HARRIS
5962-8869002LA		HM6-6642B/883	PROM, 512 X 8, 140 NS ACCESS TIME	HARRIS
5962-8869002JA		HM1-6642B/883	PROM, 512 X 8, 140 NS ACCESS TIME	HARRIS
5962-8869101RA	2(2)	54ALS520	IDENTITY COMPARATOR, 8-BIT	T.I.
5962-88691012A	2(2)	54ALS520	IDENTITY COMPARATOR, 8-BIT	T.I.
5962-8869301RA	2(2)	54ALS804A	BUFFER/DRIVER, NAND, HEX 2-INPUT	T.I.
5962-88693012A	2(2)	54ALS804A	BUFFER/DRIVER, NAND, HEX 2-INPUT	T.I.
5962-8869301SA	2(2)	54ALS804A	BUFFER/DRIVER, NAND, HEX 2-INPUT	T.I.
5962-8869401SA	1(1)	54ALS805A	BUFFER/DRIVER, NOR, HEX 2-INPUT	T.I.
5962-8869401RA	1(1)	54ALS805A	BUFFER/DRIVER, NOR, HEX 2-INPUT	T.I.
5962-88694012A	1(1)	54ALS805A	BUFFER/DRIVER, NOR, HEX 2-INPUT	T.I.
5962-88698012A	1(1)	54ALS193	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
5962-8869801EA	1(1)	54ALS193	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
5962-88699013A		HI4-516/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL/8-CHANNEL DIFFERENTIAL	HARRIS
5962-8869901XA		HI1-516/883	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL/8-CHANNEL DIFFERENTIAL	HARRIS
5962-88700012A	2(2)	54ALS563A	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
5962-8870001SA	2(2)	54ALS563A	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
5962-8870001RA	2(2)	54ALS563A	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
5962-8870201SA	3	54AC377FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
5962-88702012A	3	54AC377LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
5962-8870201RA	3	54AC377DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
5962-8870301EA	2	54AC257DMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8870301FA	2	54AC257FMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-88703012A	2	54AC257LMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-88704012A	3	54ACT258LMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8870401EA	3	54ACT258DMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8870401FA	3	54ACT258FMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
5962-88705013A	3	54ACT821LMQB	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS,	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			TTL-COMPATIBLE INPUTS	
5962-8870501LA	3	54ACT821SDMQB	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8870501KA	3	54ACT821FMQB	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8870601RA	3	54AC541DMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-88706012A	3	54AC541LMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8870601SA	3	54AC541FMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-8870801CA	2(2)	54F30	NAND GATE, 8-INPUT	T.I.
5962-8870801DA	2(2)	54F30	NAND GATE, 8-INPUT	T.I.
5962-88708012A	2(2)	54F30	NAND GATE, 8-INPUT	T.I.
5962-88715012A	1	55454BL	PERIPHERAL DRIVER, DUAL NOR	LINFINITY
5962-88715022A	2	55464L	PERIPHERAL DRIVER, DUAL NOR	LINFINITY
5962-8871503PA	2	55474Y	PERIPHERAL DRIVER, DUAL NOR	LINFINITY
5962-88715032A	2	55474L	PERIPHERAL DRIVER, DUAL NOR	LINFINITY
5962-8871601PA	3	1626Y	DRIVER, DUAL HIGH-SPEED INVERTING	LINFINITY
5962-8871601XA	3	1626R	DRIVER, DUAL HIGH-SPEED INVERTING	LINFINITY
5962-8871601GA	3	1626T	DRIVER, DUAL HIGH-SPEED INVERTING	LINFINITY
5962-8871601CA	3	1626J	DRIVER, DUAL HIGH-SPEED INVERTING	LINFINITY
5962-8871901MXA	1	AD664TD-UNI/883B	D/A CONVERTER, 12-BIT, UNIPOLAR	ANALOG DEVICES
5962-8871902MXA	1	AD664TD-BIP/883B	D/A CONVERTER, 12-BIT, BIPOLAR	ANALOG DEVICES
5962-8871903MYA	1	AD664TE/883B	D/A CONVERTER, 12-BIT, UNIPOLAR/BIPOLAR	ANALOG DEVICES
5962-8872701SA	3(4)	54ALS640B	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
5962-88727012A	3(4)	54ALS640B	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
5962-8872701RA	3(4)	54ALS640B	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
5962-88728012A	2(2)	54ALS564A	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
5962-8872801RA	2(2)	54ALS564A	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
5962-8872801SA	2(2)	54ALS564A	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
5962-8873701RA	2(2)	54ALS1245A	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
5962-88737012A	2(2)	54ALS1245A	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
5962-88738012A	2(2)	54ALS1244A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-8873801RA	2(2)	54ALS1244A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-8874101EA	2(2)	54ALS259	LATCH, 8-BIT ADDRESSABLE	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-88741012A	2(2)	54ALS259	LATCH, 8-BIT ADDRESSABLE	T.I.
5962-8874101FA	2(2)	54ALS259	LATCH, 8-BIT ADDRESSABLE	T.I.
5962-88742012A	2(2)	54ALS1035	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5962-8874201CA	2(2)	54ALS1035	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5962-8874201DA	2(2)	54ALS1035	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5962-88744012A	3(4)	55113	LINE DRIVER, DUAL DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
5962-88744022A	2(2)	55114	LINE DRIVER, DUAL DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
5962-88745012A	1(1)	55115	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
5962-8874601ZA	3	7905AR	VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A	LINFINITY
5962-8874601XA	3	7905AT	VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A	LINFINITY
5962-8874601UA	3	7905AIG	VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A	LINFINITY
5962-8874601YA	3	7905AK	VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A	LINFINITY
5962-8874701XA	3	7912AT	VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A	LINFINITY
5962-8874701YA	3	7912AK	VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A	LINFINITY
5962-8874701ZA	3	7912AR	VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A	LINFINITY
5962-8874701UA	3	791AIG	VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A	LINFINITY
5962-8874801ZA	3	7915AR	VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A	LINFINITY
5962-8874801UA	3	7915AIG	VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A	LINFINITY
5962-8874801YA	3	7915AK	VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A	LINFINITY
5962-8874801XA	3	7915AT	VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A	LINFINITY
5962-8875001EA		IH5352MJE/883B	ANALOG SWITCH, SPST, 4-CHANNEL, RF/VIDEO	HARRIS
5962-88752012A	3	54F14LMQB	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
5962-88752012A	1	54F14M/B2AJC	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
5962-8875201DA	1	54F14/BDAJC	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
5962-8875201CA	3	54F14DMQB	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
5962-8875201CA	1	54F14/BCAJC	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
5962-8875201DA	3	54F14FMQB	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
5962-8875401SA	3	54AC299FMQB	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
5962-8875401RA	3	54AC299DMQB	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
5962-88754012A	3	54AC299LMQB	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
5962-8875501EA	3	54ACT158DMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
5962-88755012A	3	54ACT158LMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
5962-8875501FA	3	54ACT158FMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8875601MEA	3	54ACT151DMQB	DECODER/DEMULTIPLEXER, 8-INPUT, TTL-COMPATIBLE	NATIONAL
5962-8875601M2A	3	54ACT151LMQB	DECODER/DEMULTIPLEXER, 8-INPUT, TTL-COMPATIBLE	NATIONAL
5962-8875601MEA	3	54ACT151/BEAJC	DECODER/DEMULTIPLEXER, 8-INPUT, TTL-COMPATIBLE	MOTOROLA
5962-8875601MFA	3	54ACT151FMQB	DECODER/DEMULTIPLEXER, 8-INPUT, TTL-COMPATIBLE	NATIONAL
5962-8875701EA		CD54HCT4046AF3A	PHASE-LOCKED LOOP WITH VOLTAGE-CONTROLLED OSCILLATOR	HARRIS
5962-8875901EA		CD54HCT173F3A	FLIP-FLOP, D-TYPE, 4-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
5962-8876001PA	1(1)	LT1013A	OP AMP, DUAL MATCHED, HIGH PERFORMANCE	T.I.
5962-88760012A	1(1)	LT1013A	OP AMP, DUAL MATCHED, HIGH PERFORMANCE	T.I.
5962-8876002PA	1(1)	LT1013	OP AMP, DUAL MATCHED, HIGH PERFORMANCE	T.I.
5962-88760022A	1(1)	LT1013	OP AMP, DUAL MATCHED, HIGH PERFORMANCE	T.I.
5962-8876101EA	1	UA78S40DMQB	VOLT. REGULATOR, SWITCHING SUBSYSTEM	NATIONAL
5962-88771012A	3	54ACT299LMQB	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS, TTL-COMP	NATIONAL
5962-8877101RA	3	54ACT299DMQB	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS, TTL-COMP	NATIONAL
5962-8877101SA	3	54ACT299FMQB	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS, TTL-COMP	NATIONAL
5962-8877201CA		ICL8038AMJD/883B	WAVEFORM GENERATOR/VOLTAGE-CONTROLLED OSCILLATOR, PRECISION	HARRIS
5962-8943601MRA		CD54HCT299F3A	SHIFT REGISTER, 8-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	HARRIS
5962-89438013A	1	54F821LMQB	SHIFT REGISTER, 10-BIT, NONINVERTING	NATIONAL
5962-8943801KA	1	54F821FMQB	SHIFT REGISTER, 10-BIT, NONINVERTING	NATIONAL
5962-8943801LA	1	54F821SDMQB	SHIFT REGISTER, 10-BIT, NONINVERTING	NATIONAL
5962-8944501JA		CD54HC4059F3A	COUNTER, PROGRAMMABLE DIVIDE-BY-N	HARRIS
5962-8945801EA		CD54HCT4020F3A	BINARY COUNTER, 14-STAGE RIPPLE, TTL COMPATIBLE INPUTS	HARRIS
5962-8946201MYA	2	68HC000-8/BXAJC	MICROPROCESSOR, 16-BIT, 8 MHZ	MOTOROLA
5962-8946201MZC	2	68HC000-8/BYCJC	MICROPROCESSOR, 16-BIT, 8 MHZ	MOTOROLA
5962-8946201MUA	2	68HC000-8/BZAJC	MICROPROCESSOR, 16-BIT, 8 MHZ	MOTOROLA
5962-8946202MZC	2	68HC000-10/BYCJC	MICROPROCESSOR, 16-BIT, 10 MHZ	MOTOROLA
5962-8946202MUA	2	68HC000-10/BZAJC	MICROPROCESSOR, 16-BIT, 10 MHZ	MOTOROLA
5962-8946202MYA	2	68HC000-10/BXAJC	MICROPROCESSOR, 16-BIT, 10 MHZ	MOTOROLA
5962-8946203MUA	2	68HC000-12/BZAJC	MICROPROCESSOR, 16-BIT, 12.5 MHZ	MOTOROLA
5962-8946203MYA	2	68HC000-12/BXAJC	MICROPROCESSOR, 16-BIT, 12.5 MHZ	MOTOROLA
5962-8946203MZC	2	68HC000-12/BYCJC	MICROPROCESSOR, 16-BIT, 12.5 MHZ	MOTOROLA
5962-8946204MUA	2	68HC001-8/BZAJC	MICROPROCESSOR, 8/16-BIT, 8 MHZ	MOTOROLA
5962-8946205MUA	2	68HC001-10/BZAJC	MICROPROCESSOR, 8/16-BIT, 10 MHZ	MOTOROLA
5962-8946206MUA	2	68HC001-12/BZAJC	MICROPROCESSOR, 8/16-BIT, 12.5 MHZ	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8946301XA	1(0)	68882-16/BZAJC	COPROCESSOR, FLOATING-POINT, 16 MHZ	MOTOROLA
5962-8946301YC	1	68882-16/BYCJC	COPROCESSOR, FLOATING-POINT, 16 MHZ	MOTOROLA
5962-8946302XA	1(0)	68882-20/BZAJC	COPROCESSOR, FLOATING-POINT, 20 MHZ	MOTOROLA
5962-8946302YC	1(0)	68882-20/BYCJC	COPROCESSOR, FLOATING-POINT, 20 MHZ	MOTOROLA
5962-8946303XA	1(0)	68882-25/BZAJC	COPROCESSOR, FLOATING-POINT, 25 MHZ	MOTOROLA
5962-8946303YC	1(0)	68882-25/BYCJC	COPROCESSOR, FLOATING-POINT, 25 MHZ	MOTOROLA
5962-8946304YC	1(0)	68882-33/BYCJC	COPROCESSOR, FLOATING-POINT, 33 MHZ	MOTOROLA
5962-8946304XA	1(0)	68882-33/BZAJC	COPROCESSOR, FLOATING-POINT, 33 MHZ	MOTOROLA
5962-8946401XA	2	68030-16/BZAJC	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
5962-8946401YC	2	68030-16/BYCJC	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
5962-8946402YC	2	68030-20/BYCJC	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
5962-8946402XA	2	68030-20/BZAJC	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
5962-8946403XA	2	68030-25/BZAJC	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
5962-8946403YC	2	68030-25/BYCJC	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
5962-8946404YC	2	68030-33/BYCJC	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
5962-8946404XA	2	68030-33/BZAJC	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
5962-89487012A	3	54F132LMQB	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	NATIONAL
5962-8948701CA	3	54F132DMQB	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	NATIONAL
5962-8948701DA	3	54F132FMQB	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	NATIONAL
5962-8949401PA	1(0)	TLC272	OP AMP, DUAL PRECISION	T.I.
5962-8949401HA	1(0)	TLC272	OP AMP, DUAL PRECISION	T.I.
5962-89494012A	1(0)	TLC272	OP AMP, DUAL PRECISION	T.I.
5962-8949402PA	1(.5)	TLC277	OP AMP, DUAL PRECISION	T.I.
5962-8949402HA	1(.5)	TLC277	OP AMP, DUAL PRECISION	T.I.
5962-89494022A	1(.5)	TLC277	OP AMP, DUAL PRECISION	T.I.
5962-89494032A	1(0)	TLC27L2	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
5962-8949403HA	1(0)	TLC27L2	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
5962-8949403PA	1(0)	TLC27L2	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
5962-8949404PA	1(0)	TLC27L7	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
5962-8949404HA	1(0)	TLC27L7	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
5962-89494042A	1(0)	TLC27L7	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
5962-8949405PA	1(0)	TLC27M2	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.
5962-89494052A	1(0)	TLC27M2	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.
5962-8949405HA	1(0)	TLC27M2	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.
5962-8949406HA	1(0)	TLC27M7	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.
5962-89494062A	1(0)	TLC27M7	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.
5962-8949406PA	1(0)	TLC27M7	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8950101YC	1	UT1553BCRTMPA	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
5962-8950101XA	1	UT1553BCRTMPG	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
5962-8950101XC	1	UT1553BCRTMPG	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
5962-8950101YA	1	UT1553BCRTMPA	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
5962-8950201PA		HA7-2544/883	OP AMP, VIDEO	HARRIS
5962-8950201GC		HA2-2544/883	OP AMP, VIDEO	HARRIS
5962-89502012A		HA4-2544/883	OP AMP, VIDEO	HARRIS
5962-8950301PA	1(0)	TLC555	TIMER, PRECISION	T.I.
5962-89503012A	1(0)	TLC555	TIMER, PRECISION	T.I.
5962-8950302CA	1(0)	TLC556	TIMER, DUAL PRECISION	T.I.
5962-89503022A	1(0)	TLC556	TIMER, DUAL PRECISION	T.I.
5962-8950303GC		ICM7555MTV/883B	TIMER, LOW-POWER PRECISION	HARRIS
5962-8950304CA		ICM7556MJD/883B	TIMER, DUAL, LOW-POWER PRECISION	HARRIS
5962-8950305PA	1	LMC555J/883C	TIMER, PRECISION	NATIONAL
5962-8950305GA	1	LMC555H/883C		NATIONAL
5962-8950701CA	1(0)	54HC4066	ANALOG SWITCH, SPST, 4-CHANNEL	T.I.
5962-89507012A	1(0)	54HC4066	ANALOG SWITCH, SPST, 4-CHANNEL	T.I.
5962-89510012A	2(2)	54F27	NOR GATE, TRIPLE 3-INPUT	T.I.
5962-8951001CA	2(2)	54F27	NOR GATE, TRIPLE 3-INPUT	T.I.
5962-8951001DA	2(2)	54F27	NOR GATE, TRIPLE 3-INPUT	T.I.
5962-8951101EA	1	1525AJ	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
5962-89511012EA	1	1527AJ	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
5962-8951201XA	2	56001-20/BZAJC	DIGITAL SIGNAL PROCESSOR, 56-BIT GENERAL PURPOSE	MOTOROLA
5962-8951201YC	2	56001-20/BYCJC	DIGITAL SIGNAL PROCESSOR, 56-BIT GENERAL PURPOSE	MOTOROLA
5962-89513012A		54FCT574LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8951301SA		54FCT574FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8951301RA		54FCT574DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8952701XA	1	68HC811E2/BXAJC	MICROCONTROLLER, 8-BIT, EEPROM 2K BYTES, RAM 256 BYTES	MOTOROLA
5962-8952701YC	1	68HC811E2/BYCJC	MICROCONTROLLER, 8-BIT, EEPROM 2K BYTES, RAM 256 BYTES	MOTOROLA
5962-8953401MYA	1	MQ80387	NUMERIC PROCESSOR EXTENSION, 80-BIT	INTEL
5962-8953402QYX	1	MQ80387Q-20	NUMERIC PROCESSOR EXTENSION, 80-BIT	INTEL
5962-8953402MYA	1	MQ80387-20	NUMERIC PROCESSOR EXTENSION, 80-BIT	INTEL
5962-8953403QYX	1	MQ80387Q-25	NUMERIC PROCESSOR EXTENSION, 80-BIT	INTEL
5962-8953403MYA	1	MQ80387-25	NUMERIC PROCESSOR EXTENSION, 80-BIT	INTEL
5962-8953501LA	2	54F657SDMQB	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER	NATIONAL
5962-8953501KA	2	54F657FMQB	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 8-BIT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			PARITY GENERATOR/CHECKER	
5962-89535013A	2	54F657LMBQ	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER	NATIONAL
5962-89539012A	3	54AC157LMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
5962-8953901EA	3	54AC157DMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
5962-8953901FA	3	54AC157FMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
5962-8954001JA		HM1-6617/883	PROM, 2K X 8, 140 NS ACCESS TIME	HARRIS
5962-8954001XA		HM4-6617/883	PROM, 2K X 8, 140 NS ACCESS TIME	HARRIS
5962-8954001LA		HM6-6617/883	PROM, 2K X 8, 140 NS ACCESS TIME	HARRIS
5962-8954002XA		HM4-6617B/883	PROM, 2K X 8, 105 NS ACCESS TIME	HARRIS
5962-8954002LA		HM6-6617B/883	PROM, 2K X 8, 105 NS ACCESS TIME	HARRIS
5962-8954002JA		HM1-6617B/883	PROM, 2K X 8, 105 NS ACCESS TIME	HARRIS
5962-8954702CA	3	54ACTQ08DMQB	AND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
5962-89547022A	3	54ACTQ08LMQB	AND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
5962-8954702DA	3	54ACTQ08FMQB	AND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
5962-8954801GC		HA2-5102/883	OP AMP, DUAL, LOW-NOISE	HARRIS
5962-8954801PA		HA7-5102/883	OP AMP, DUAL, LOW-NOISE	HARRIS
5962-89548012A		HA1-5102/883	OP AMP, DUAL, LOW-NOISE	HARRIS
5962-8955001CA	2	54AC86DMQB	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
5962-8955001DA	2	54AC86FMQB	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
5962-89550012A	2	54AC86LMQB	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
5962-8955001CA	3	54AC86/BCAJC	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
5962-8955101FA	3	54AC109FMQB	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
5962-8955101EA	3	54AC109DMQB	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
5962-89551012A	3	54AC109LMQB	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
5962-89552012A	3	54AC175LMQB	FLIP-FLOP, D-TYPE, 4-BIT, WITH MASTER RESET	NATIONAL
5962-8955201FA	3	54AC175FMQB	FLIP-FLOP, D-TYPE, 4-BIT, WITH MASTER RESET	NATIONAL
5962-8955201EA	3	54AC175DMQB	FLIP-FLOP, D-TYPE, 4-BIT, WITH MASTER RESET	NATIONAL
5962-89556012A	3	54ACT563DMQB	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-89556012A	3	54ACT563LMQB	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8955601SA	3	54ACT563FMQB	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8955701RA	2	54ACT564DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8955701SA	2	54ACT564FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-89557012A	2	54ACT564LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-89558013A	1	54F652LMQB	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8955801LA	1	54F652SDMQB	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8955801KA	1	54F652FMQB	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8956101FA	3	54AC161FMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
5962-89561012A	3	54AC161LMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
5962-8956101EA	3	54AC161DMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
5962-8957301RA	3(4)	54F299	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
5962-8957301SA	3(4)	54F299	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
5962-89573012A	3(4)	54F299	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
5962-89574012A	3(4)	54ALS165	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
5962-8957401EA	3(4)	54ALS165	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
5962-8957401FA	3(4)	54ALS165	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
5962-8957501XC	1	UT1760ARTSG	REMOTE TERMINAL FOR STORES WITH 1K X 16 RAM	UTMC
5962-8957501XA	1	UT1760ARTSG	REMOTE TERMINAL FOR STORES WITH 1K X 16 RAM	UTMC
5962-8957501YA	1	UT1760ARTSW	REMOTE TERMINAL FOR STORES WITH 1K X 16 RAM	UTMC
5962-8957501YC	1	UT1760ARTSW	REMOTE TERMINAL FOR STORES WITH 1K X 16 RAM	UTMC
5962-8957601ZC	1	UT1553BRRTRA	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
5962-8957601ZA	1	UT1553BRTRA	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
5962-8957601YA	1	UT1553BRTRW	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
5962-8957601XC	1	UT1553BRTRB	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
5962-8957601YC	1	UT1553BRTRW	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
5962-8957601XA	1	UT1553BRTRG	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
5962-8957701XC	1	UT1553BCRTMG	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
5962-8957701ZC	1	UT1553BCRTMA	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
5962-8957701YC	1	UT1553BCRTMW	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
5962-8957701XA	1	UT1553BCRTMG	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
5962-8957701YA	1	UT1553BCRTMW	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
5962-8957701ZA	1	UT1553BCRTMA	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
5962-8958201EA	2	54AC163DMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
5962-8958201FA	2	54AC163FMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
5962-89582012A	2	54AC163LMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
5962-8958601GA	2	LM1578H/883	VOLT. REGULATOR, SWITCHING	NATIONAL
5962-8958602GA	1(0)	LM1578AH/883	VOLT. REGULATOR, SWITCHING	NATIONAL
5962-8958701YA	3	LM2940K-5.0/883	VOLT. REGULATOR, FIXED, POSITIVE, LOW DROPOUT, 5V, 1.0A	NATIONAL
5962-8958801GA	1	LM105H/883	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
5962-8958901GA	1	LM107H/883	OP AMP	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8958901PA	1	LM107J/883	OP AMP	NATIONAL
5962-8958901CA	1	LM107J-14/883	OP AMP	NATIONAL
5962-8959901FA	3	54ACT251FMQB	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-89599012A	3	54ACT251LMQB	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8959901EA	3	54ACT251DMQB	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8960101MSA	3	54ACT574FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8960101M2A	3	54ACT574LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8960101MRA	3	54ACT574DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8960201SA	2(2)	54ALS541	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-8960201RA	2(2)	54ALS541	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-89602012A	2(2)	54ALS541	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-8960901EA		CD54HC4046AF3A	PHASE-LOCKED LOOP, WITH VOLTAGE-CONTROLLED OSCILLATOR	HARRIS
5962-89615012A	1	DS16F95E/883	BUS TRANSCEIVER, DIFFERENTIAL, RS485	NATIONAL
5962-8961501PA	1(0)	DS16F95J/883	BUS TRANSCEIVER, DIFFERENTIAL, RS485	NATIONAL
5962-8961501HA	1	DS16F95W/883	BUS TRANSCEIVER, DIFFERENTIAL, RS485	NATIONAL
5962-8961701LA	1	AD767SD/883B	D/A CONVERTER, 12-BIT	ANALOG DEVICES
5962-8962001PA		HA7-5020/883	CURRENT FEEDBACK AMPLIFIER	HARRIS
5962-89620012A		HA4-5020/883	CURRENT FEEDBACK AMPLIFIER	HARRIS
5962-8962101HA	1	LM6161W/883	OP AMP, HIGH-SPEED	NATIONAL
5962-89621012A	1	LM6161E/883	OP AMP, HIGH-SPEED	NATIONAL
5962-8962101PA	1	LM6161J/883	OP AMP, HIGH-SPEED	NATIONAL
5962-89624012A	1	LM6164E/883	OP AMP, HIGH-SPEED	NATIONAL
5962-8962401PA	1	LM6164J/83	OP AMP, HIGH-SPEED	NATIONAL
5962-8962401HA	1	LM6164W/883	OP AMP, HIGH-SPEED	NATIONAL
5962-8962501HA	1	LM6165W/883	OP AMP, HIGH-SPEED	NATIONAL
5962-8962501PA	1	LM6165J/883	OP AMP, HIGH-SPEED	NATIONAL
5962-89625012A	1	LM6165E/883	OP AMP, HIGH-SPEED	NATIONAL
5962-8962601YA	1	7806AK	VOLT. REGULATOR, FIXED, POSITIVE, 6V, 1.0A	LINFINITY
5962-8962601ZA	1	7806AR	VOLT. REGULATOR, FIXED, POSITIVE, 6V, 1.0A	LINFINITY
5962-8962601XA	1	7806AT	VOLT. REGULATOR, FIXED, POSITIVE, 6V, 1.0A	LINFINITY
5962-8962701PA		HA7-5127/883	OP AMP, 7.0 V/μS	HARRIS
5962-89627012A		HA4-5127/883	OP AMP, 7.0 V/μS	HARRIS
5962-8962701GC		HA2-5127/883	OP AMP, 7.0 V/μS	HARRIS
5962-8962702PA		HA7-5137/883	OP AMP, 14 V/μS	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-89627022A		HA4-5137/883	OP AMP, 14 V/μS	HARRIS
5962-8962702GC		HA2-5137/883	OP AMP, 14 V/μS	HARRIS
5962-8962703PA		HA7-5147/883	OP AMP, 28 V/μS	HARRIS
5962-89627032A		HA4-5147/883	OP AMP, 28 V/μS	HARRIS
5962-8962703GC		HA2-5147/883	OP AMP, 28 V/μS	HARRIS
5962-8962801XA	1	7808AT	VOLT. REGULATOR, FIXED, POSITIVE, 8V, 1.0A	LINFINITY
5962-8962801ZA	1	7808AR	VOLT. REGULATOR, FIXED, POSITIVE, 8V, 1.0A	LINFINITY
5962-8962801YA	1	7808AK	VOLT. REGULATOR, FIXED, POSITIVE, 8V, 1.0A	LINFINITY
5962-8963001EA	1	DS78C120J/883	LINE DRIVER, DUAL DIFFERENTIAL, CMOS-COMPATIBLE	NATIONAL
5962-8963101ZA		HA4-5111/883	OP AMP, LOW-NOISE, UNCOMPENSATED	HARRIS
5962-8963101PA		HA7-5111/883	OP AMP, LOW-NOISE, UNCOMPENSATED	HARRIS
5962-8963101GC		HA2-5111/883	OP AMP, LOW-NOISE, UNCOMPENSATED	HARRIS
5962-8963201GC		HA2-5112/883	OP AMP, DUAL, LOW-NOISE UNCOMPENSATED	HARRIS
5962-89632012A		HA4-5112/883	OP AMP, DUAL, LOW-NOISE UNCOMPENSATED	HARRIS
5962-8963201PA		HA7-5112/883	OP AMP, DUAL, LOW-NOISE UNCOMPENSATED	HARRIS
5962-8963301XC		HA2-5033/883	BUFFER AMPLIFIER, HIGH-SPEED VIDEO	HARRIS
5962-89634012A		HA4-5114/883	OP AMP, QUAD, LOW NOISE UNCOMPENSATED	HARRIS
5962-8963401CA		HA1-5114/883	OP AMP, QUAD, LOW-NOISE UNCOMPENSATED	HARRIS
5962-89635012A		HA4-5101/883	OP AMP, LOW-NOISE	HARRIS
5962-8963501PA		HA7-5101/883	OP AMP, LOW-NOISE	HARRIS
5962-89636012A		HA4-5002/883	CURRENT BUFFER, WIDEBAND, HIGH OUTPUT	HARRIS
5962-8963601GC		HA2-5002/883	CURRENT BUFFER, WIDEBAND, HIGH OUTPUT	HARRIS
5962-8963601PA		HA7-5002/883	CURRENT BUFFER, WIDEBAND, HIGH OUTPUT	HARRIS
5962-8963901VA	2	LM604AMJ/883	OP AMP, MULTIPLEXER, QUAD	NATIONAL
5962-89640012A	1	AD840SE/883B	OP AMP, WIDEBAND, FAST SETTLING	ANALOG DEVICES
5962-8964001CA	1	AD840SQ/883B	OP AMP, WIDEBAND, FAST SETTLING	ANALOG DEVICES
5962-8964101XA	1	AD841SH/883B	OP AMP, FAST SETTLING, UNITY GAIN STABLE	ANALOG DEVICES
5962-89641012A	1	AD841SE/883B	OP AMP, FAST SETTLING, UNITY GAIN STABLE	ANALOG DEVICES
5962-8964101CA	1	AD841SQ/883B	OP AMP, FAST SETTLING, UNITY GAIN STABLE	ANALOG DEVICES
5962-8964201XA	1	AD842SH/883B	OP AMP, WIDEBAND, FAST SETTLING, HIGH OUTPUT CURRENT	ANALOG DEVICES
5962-8964201CA	1	AD842SQ/883B	OP AMP, WIDEBAND, FAST SETTLING, HIGH OUTPUT CURRENT	ANALOG DEVICES
5962-89642012A	1	AD842SE/883B	OP AMP, WIDEBAND, FAST SETTLING, HIGH OUTPUT CURRENT	ANALOG DEVICES
5962-8964301XC	1	HA2-2542	OP AMP, WIDEBAND, HIGH SLEW RATE, HIGH OUTPUT CURRENT	HARRIS
5962-8964401PA	1	AD844SQ/883B	OP AMP, WIDEBAND, HIGH SLEW RATE	ANALOG DEVICES
5962-8964501PA	1	AD845SQ/883B	OP AMP, PRECISION, CBFET	ANALOG DEVICES

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8964601PA	2	AD846SQ/883B	OP AMP, HIGH-SPEED	ANALOG DEVICES
5962-8964701PA	1	AD847SQ/883B	OP AMP, HIGH-SPEED, LOW-POWER	ANALOG DEVICES
5962-8964801CA		HA1-2540/883	OP AMP, WIDEBAND	HARRIS
5962-89648012A		HA4-2540/883	OP AMP, WIDEBAND	HARRIS
5962-8965602GC		HA2-5142/883	OP AMP, DUAL, LOW-POWER	HARRIS
5962-89656022A		HA4-5142/883	OP AMP, DUAL, LOW-POWER	HARRIS
5962-8965602PA		HA7-5142/883	OP AMP, DUAL, LOW-POWER	HARRIS
5962-89656032A		HA4-5144/883	OP AMP, QUAD, LOW-POWER	HARRIS
5962-8965603CA		HA1-5144/883	OP AMP, QUAD, LOW-POWER	HARRIS
5962-8965801SA	3	54ACT534FMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-89658012A	3	54ACT534LMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8965801RA	3	54ACT534DMQB	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8967701CA	1(1)	LT1014A	OP AMP, QUAD, PRECISION	T.I.
5962-89677012A	1(1)	LT1014A	OP AMP, QUAD, PRECISION	T.I.
5962-8967702CA	1(1)	LT1014	OP AMP, QUAD, PRECISION	T.I.
5962-89677022A	1(1)	LT1014	OP AMP, QUAD, PRECISION	T.I.
5962-8968001RA	2(2)	55ALS160	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.
5962-89680012A	2(2)	55ALS160	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.
5962-8968001SA	2(2)	55ALS160	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.
5962-8968101RA	2(2)	55ALS161	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.
5962-8968101SA	2(2)	55ALS161	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.
5962-89681012A	2(2)	55ALS161	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.
5962-89682013A	3	54AC646LMQB	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8968201LA	3	54AC646SDMQB	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8968201KA	3	54AC646FMQB	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
5962-8968401VA	2	2821J	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
5962-89684012A	2	2821L	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
5962-89685012A	2	2823L	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
5962-8968501VA	2	2823J	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
5962-8968601VA	2	2824J	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
5962-89686012A	2	2824L	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
5962-8968701LA	3(4)	54ALS653	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING W/3-STATE INPUTS, OPEN-COLL. OUTPUTS	T.I.
5962-8968701KA	3(4)	54ALS653	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING W/3-STATE INPUTS, OPEN-COLL. OUTPUTS	T.I.
5962-89687013A	3(4)	54ALS653	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING W/3-STATE INPUTS, OPEN-COLL. OUTPUTS	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-89688012A	3	54ACT157LMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8968801EA	3	54ACT157DMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8968801FA	3	54ACT157FMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-89689012A	3	54ACT257LMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8968901FA	3	54ACT257FMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8968901EA	3	54ACT257DMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8969301FA	3	54ACT175FMQB	FLIP-FLOP, D-TYPE, 4-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-89693012A	3	54ACT175LMQB	FLIP-FLOP, D-TYPE, 4-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8969301EA	3	54ACT175DMQB	FLIP-FLOP, D-TYPE, 4-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-89695012A	1	54HC113M/B2AJC	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED, WITH ASYNCHRONOUS PRESET	MOTOROLA
5962-8969501CA	1	54HC113/BCAJC	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED, WITH ASYNCHRONOUS PRESET	MOTOROLA
5962-8970001EA		CD54HCT123F3A	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE, WITH RESETS, TTL-COMPATIBLE INPUTS	HARRIS
5962-8970101FA		CD54HCT175F3A	FLIP-FLOP, D-TYPE, 4-BIT, WITH RESET, TTL-COMPATIBLE INPUTS	HARRIS
5962-8970201EA		CD54HCT112F3A	FLIP-FLOP, JK, DUAL, WITH SET AND RESET, TTL-COMPATIBLE INPUTS	HARRIS
5962-8970301CA		CD54HCT27F3A	NOR GATE, TRIPLE 3-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
5962-8970401CA		CD54HCT164F3A	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT, TTL-COMPATIBLE INPUTS	HARRIS
5962-8970501EA		CD54HCT257F3A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH NONINVERTING 3-STATE OUTPU	HARRIS
5962-8970701EA		CD54HCT162F3A	DECADE COUNTER, 4-BIT SYNCHRONOUS RESET, TTL-COMPATIBLE INPUTS	HARRIS
5962-8970801EA		CD54HCT258F3A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTING 3-STATE OUTPUTS, TT	HARRIS
5962-8970901CA		CD54HCT11F3A	AND GATE, TRIPLE 3-INPUT, WITH TTL-COMPATIBLE INPUTS	HARRIS
5962-8971301QZX	1	ATT3042-50R132MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 50 MHZ	AT&T
5962-8971303QTX	1	ATT3042-100N100MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 50 MHZ	AT&T
5962-8971301QTX	1	ATT3042-50N100MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 50 MHZ	AT&T
5962-8971301QUX	1	ATT3042-50R84MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 50 MHZ	AT&T
5962-8971303QUX	1	ATT3042-100R84MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 50 MHZ	AT&T
5962-8971302QZX	1	ATT3042-70R132MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 70 MHZ	AT&T
5962-8971302QTX	1	ATT3042-70N100MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 70 MHZ	AT&T
5962-8971302QUX	1	ATT3042-70R84MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 70 MHZ	AT&T
5962-8971303QZX	1	ATT3042-100R132MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 100 MHZ	AT&T

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8971304QZX	1	ATT3042-125R132MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 125 MHZ	AT&T
5962-8971304QTX	1	ATT3042-125N100MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 125 MHZ	AT&T
5962-8971304QUX	1	ATT3042-125R84MQ	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 125 MHZ	AT&T
5962-89721012A		HA4-2529/883	OP AMP, HIGH-CURRENT, HIGH-SPEED	HARRIS
5962-8972101PA		HA7-2529/883	OP AMP, HIGH-CURRENT, HIGH-SPEED	HARRIS
5962-8972101GC		HA2-2529/883	OP AMP, HIGH-CURRENT, HIGH-SPEED	HARRIS
5962-89728012A	1	AD588SE/883B	VOLT. REFERENCE, PIN-PROGRAMMABLE	ANALOG DEVICES
5962-8972801EA	1	AD588SD/883B	VOLT. REFERENCE, PIN-PROGRAMMABLE	ANALOG DEVICES
5962-89728022A	1	AD588TE/883B	VOLT. REFERENCE, PIN-PROGRAMMABLE	ANALOG DEVICES
5962-8972802EA	1	AD588TD/883B	VOLT. REFERENCE. PIN-PROGRAMMABLE	ANALOG DEVICES
5962-89729012A	3	54AC158LMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
5962-8972901FA	3	54AC158FMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
5962-8972901EA	3	54AC158DMQB	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
5962-89734012A	3	54ACTQ04LMQB	HEX INVERTER, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8973401DA	3	54ACTQ04FMQB	HEX INVERTER, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8973401CA	3	54ACTQ04DMQB	HEX INVERTER, TTL-COMPATIBLE INPUTS	NATIONAL
5962-89735012A	3	54ACTQ273LMQB	FLIP-FLOP, D-TYPE, 4-BIT, WITH RESET, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8973501RA	3	54ACTQ273DMQB	FLIP-FLOP, D-TYPE, 4-BIT, WITH RESET, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8973501SA	3	54ACTQ273FMQB	FLIP-FLOP, D-TYPE, 4-BIT, WITH RESET, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8973601CA	3	54ACTQ32DMQB	OR GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
5962-8973601DA	3	54ACTQ32FMQB	OR GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
5962-89736012A	3	54ACTQ32LMQB	OR GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
5962-8974001RA		CD54HCT640F3A	BUS TRANSCEIVER, 8-BIT, INVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
5962-8974201RA		CD54HCT574F3A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	HARRIS
5962-8974301EA		CD54HCT174F3A	FLIP-FLOP, D-TYPE, HEX, WITH RESET, TTL COMPATIBLE-INPUTS	HARRIS
5962-8974501EA		CD54HCT238F3A	DECODER/DEMULTIPLEXER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	HARRIS
5962-8974501EA	2(2)	54HCT238	DECODER/DEMULTIPLEXER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	T.I.
5962-89745012A	2(2)	54HCT238	DECODER/DEMULTIPLEXER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	T.I.
5962-8974601CA		CD54HCT30F3A	NAND GATE, 8-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
5962-8974701CA		CD54HCT04F3A	HEX INVERTER, TTL-COMPATIBLE INPUTS	HARRIS
5962-8974701CA	1	54HCT04/BCAJC	HEX INVERTER, TTL-COMPATIBLE INPUTS	MOTOROLA
5962-89747012A	1	54HCT04M/B2AJC	HEX INVERTER, TTL-COMPATIBLE INPUTS	MOTOROLA
5962-8974901FA	3	54AC191FMQB	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8974901EA	3	54AC191DMQB	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
5962-89749012A	3	54AC191LMQB	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
5962-8975101CA		CD54HCT02F3A	NOR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
5962-8975401LA	1	54F646SDMQB	BUS TRANSCEIVER/REGISTER	NATIONAL
5962-8975401KA	1	54F646FMQB	BUS TRANSCEIVER/REGISTER	NATIONAL
5962-89754013A	1	54F646LMQB	BUS TRANSCEIVER/REGISTER	NATIONAL
5962-89754023A	1	54F648LMQB	BUS TRANSCEIVER/REGISTER, INVERTED	NATIONAL
5962-8975402LA	1	54F648SDMQB	BUS TRANSCEIVER/REGISTER, INVERTED	NATIONAL
5962-8975402KA	1	54F648FMQB	BUS TRANSCEIVER/REGISTER, INVERTED	NATIONAL
5962-8975601RA	1(0)	54LS598	SHIFT REGISTER, 8-BIT, WITH INPUT LATCHES	T.I.
5962-8975601SA	1(0)	54LS598	SHIFT REGISTER, 8-BIT, WITH INPUT LATCHES	T.I.
5962-89756012A	1(0)	54LS598	SHIFT REGISTER, 8-BIT, WITH INPUT LATCHES	T.I.
5962-8976301MEA	1	8976301EA	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
5962-8976301MEA	2	DG403AK	ANALOG SWITCH, SPDT, 2-CHANNEL	HARRIS
5962-8976301M2A	1	89763012A	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
5962-8976501EA		CD54HC283F3A	ADDER, 4-BIT BINARY, WITH FAST CARRY	HARRIS
5962-89766012A	2	54FCT541LMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8976601RA	2	54FCT541DMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8976601SA	2	54FCT541FMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8976701RA	2	54FCT540DMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-89767012A	2	54FCT540LMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8976701SA	2	54FCT540FMQB	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8976901RA		CD54HCT377F3A	FLIP-FLOP, D-TYPE, 8-BIT, WITH DATA ENABLE, TTL-COMPATIBLE INPUTS	HARRIS
5962-8977101EA		CD54HCT4060F3A	BINARY COUNTER, 14-STAGE, WITH OSCILLATOR AND TTL COMPATIBLE INPUTS	HARRIS
5962-89778012A	1	1648MM/B2AJC	OSCILLATOR, VOLTAGE-CONTROLLED	MOTOROLA
5962-8977801CA	1	1648M/BCAJC	OSCILLATOR, VOLTAGE-CONTROLLED	MOTOROLA
5962-8977801DA	1	1648M/BDAJC	OSCILLATOR, VOLTAGE-CONTROLLED	MOTOROLA
5962-8978001PA	2	3523/BPAJC	SENSING CIRCUIT, OVERVOLTAGE	MOTOROLA
5962-8978701MEA	1	DS9627MJ/883	LINE RECEIVER, DUAL	NATIONAL
5962-8979301RA	3	54ACT520DMQB	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-89793012A	3	54ACT520LMQB	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8979301SA	3	54ACT520FMQB	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8979302RA	3	54ACT521DMQB	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-89793022A	3	54ACT521LMQB	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8979302SA	3	54ACT521FMQB	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8980801LA	1	AD568SQ/883B	D/A CONVERTER, 12-BIT, HIGH-SPEED	ANALOG DEVICES
5962-89808023A	1	AD568SE/883B	D/A CONVERTER, 12-BIT, HIGH-SPEED	ANALOG DEVICES
5962-8982101PA	1	DS1634J-8/883	PERIPHERAL DRIVER, DUAL NOR, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
5962-8982101GA	1	DS1634H/883	PERIPHERAL DRIVER, DUAL NOR, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
5962-8982301QXX	1	ATT3090-50R175MQ	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 50 MHZ TOGGLE SPEED	AT&T
5962-8982301QZX	1	ATT3090-50N164MQ	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 50 MHZ TOGGLE SPEED	AT&T
5962-8982302QXX	1	ATT3090-70R175MQ	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 70 MHZ TOGGLE SPEED	AT&T
5962-8982302QZX	1	ATT3090-70N164MQ	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 70 MHZ TOGGLE SPEED	AT&T
5962-8982303QXX	1	ATT3090-100R175MQ	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 100 MHZ TOGGLE SPEED	AT&T
5962-8982303QZX	1	ATT3090-100N164MQ	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 100 MHZ TOGGLE SPEED	AT&T
5962-8982304QZX	1	ATT3090-125N164MQ	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 125 MHZ TOGGLE SPEED	AT&T
5962-8982304QXX	1	ATT3090-125R175MQ	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 125 MHZ TOGGLE SPEED	AT&T
5962-8982401PA	1	AD586SQ/883B	VOLT. REFERENCE, 5.0V	ANALOG DEVICES
5962-8982402PA	1	AD586TQ/883B	VOLT. REFERENCE, 5.0V	ANALOG DEVICES
5962-8982501PA	1	AD587SQ/883B	VOLT. REFERENCE, 10V	ANALOG DEVICES
5962-8982502PA	1	AD587TQ/883B	VOLT. REFERENCE, 10V	ANALOG DEVICES
5962-8982503PA	1	AD587UQ/883B	VOLT. REFERENCE, 10V	ANALOG DEVICES
5962-8984201GC		ICL8211MTY/883B	VOLT. DETECTOR, PROGRAMMABLE	HARRIS
5962-8984202GC		ICL8212MTY/883B	VOLTAGE DETECTOR, PROGRAMMABLE, HIGH OUTPUT CURRENT	HARRIS
5962-8984301CA		CD54HCT10F3A	NAND GATE, TRIPLE 3-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
5962-8984401CA		CD54HCT86F3A	EXCLUSIVE-OR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
5962-8984501CA		CD54HCT132F3A	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER, TTL-COMPATIBLE INPUTS	HARRIS
5962-8984701SA	3	54ACT241FMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8984701RA	3	54ACT241DMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-89847012A	3	54ACT241LMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-8984901RA		CD54HCT534F3A	FLIP-FLOP, D-TYPE, 8-BIT, POS. EDGE-TRIGGERED, WITH INVERTING 3-STATE OUTPUTS	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-8985201EA		CD54HCT259F3A	LATCH, 8-BIT ADDRESSABLE, TTL-COMPATIBLE	HARRIS
5962-8985601EA	1	10H509/BEAJC	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
5962-89856012A	1	10H509/B2AJC	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
5962-8985601FA	1	10H509/BFAJC	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
5962-8987001UA	1	7908AIG	VOLT. REGULATOR, FIXED, NEGATIVE, 8V	LINFINITY
5962-8987001YA	1	7908AK	VOLT. REGULATOR, FIXED, NEGATIVE, 8V	LINFINITY
5962-8987001XA	1	7908AT	VOLT. REGULATOR, FIXED, NEGATIVE, 8V	LINFINITY
5962-8987001ZA	1	7908AR	VOLT. REGULATOR, FIXED, NEGATIVE, 8V	LINFINITY
5962-8987601EA	2	2023J	TRANSISTOR ARRAY, 7-GATE DARLINGTON	LINFINITY
5962-89880012A		HA4-2522/883	OP AMP, HIGH-SPEED	HARRIS
5962-8988001PA		HA7-2522/883	OP AMP, HIGH-SPEED	HARRIS
5962-8988001GC		HA2-2522/883	OP AMP, HIGH-SPEED	HARRIS
5962-8988002GC		HA2-2520/883	OP AMP, HIGH-SPEED	HARRIS
5962-8988002PA		HA7-2520/883	OP AMP, HIGH-SPEED	HARRIS
5962-8988201CA	1	MM78C30J/883	LINE DRIVER, DUAL DIFFERENTIAL	NATIONAL
5962-8989001CA		CD54HCT393F3A	BINARY COUNTER, DUAL 4-STAGE, TTL-COMPATIBLE INPUTS	HARRIS
5962-8992101XA	1	LM129AH/883	VOLT, REFERENCE, 6.9V, PRECISION	NATIONAL
5962-8992102XA	1	LM129BH/883	VOLT, REFERENCE, 6.9V, PRECISION	NATIONAL
5962-8992501FA	1(.5)	54LS378	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE	T.I.
5962-89925012A	1(.5)	54LS378	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE	T.I.
5962-8992501EA	1(.5)	54LS378	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE	T.I.
5962-8994501KA	2(2)	54ALS996	LATCH, D-TYPE, 8-BIT, EDGE-TRIGGERED READ BACK	T.I.
5962-89945013A	2(2)	54ALS996	LATCH, D-TYPE, 8-BIT, EDGE-TRIGGERED READ BACK	T.I.
5962-8994501LA	2(2)	54ALS996	LATCH, D-TYPE, 8-BIT, EDGE-TRIGGERED READ BACK	T.I.
5962-8994601EA		CD54HC190F3A	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	HARRIS
5962-89946012A	1(0)	54HC190	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
5962-8994601EA	1(0)	54HC190	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
5962-8994701MEA		CD54HCT4040F3A		HARRIS
5962-8994801QZX	1	ATT3020-50R84MQ	PROG. LOGIC DEVICE. 2000 GATE. 8 X 8. 50 MHZ	AT&T
5962-8994801QUX	1	ATT3020-50N100MQ	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 50 MHZ	AT&T
5962-8994802QZX	1	ATT3020-70R84MQ	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 70 MHZ	AT&T
5962-8994802QUX	1	ATT3020-70N100MQ	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 70 MHZ	AT&T
5962-8994803QUX	1	ATT3020-100N100MQ	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 100 MHZ	AT&T
5962-8994803QZX	1	ATT3020-100R84MQ	PROG. LOGIC DEVICE. 2000 GATE. 8 X 8. 100 MHZ	AT&T
5962-8994804QUX	1	ATT3020-125N100MQ	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 125 MHZ	AT&T
5962-8994804QZX	1	ATT3020-125R84MQ	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 125 MHZ	AT&T
5962-8995001M2A	3	54ACT112LMQB	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED, WITH	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			ASYNCHRONOUS SET AND CLEAR	
5962-8995001MFA	3	54ACT112FMQB	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED, WITH ASYNCHRONOUS SET AND CLEAR	NATIONAL
5962-8995001MEA	3	54ACT112DMQB	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED, WITH ASYNCHRONOUS SET AND CLEAR	NATIONAL
5962-8995301EA		CD54HC4015F3A	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
5962-8995401EA		CD54HC4520F3A	COUNTER, DUAL SYNCHRONOUS	HARRIS
5962-8995601KA	3(4)	54ALS646	BUS TRANSCEIVER/REGISTER, 8-BIT, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-89956013A	3(4)	54ALS646	BUS TRANSCEIVER/REGISTER, 8-BIT, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-8995601LA	3(4)	54ALS646	BUS TRANSCEIVER/REGISTER, 8-BIT, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-8996101EA	1	8996101EA	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
5962-8996101EA	2	DG405AK	ANALOG SWITCH, DPST, 2-CHANNEL	HARRIS
5962-89961012A	1	89961012A	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
5962-8996901CA	1	35074/BCAJC	OP AMP, QUAD, SINGLE SUPPLY	MOTOROLA
5962-89969012A	1	35074M/B2AJC	OP AMP, QUAD, SINGLE SUPPLY	MOTOROLA
5962-89969022A	1	35074AM/B2AJC	OP AMP, QUAD, SINGLE SUPPLY	MOTOROLA
5962-8996902CA	1	35074A/BCAJC	OP AMP, QUAD, SINGLE SUPPLY	MOTOROLA
5962-8999001EA		CD54HC297F3A	FILTER, PHASE-LOCKED LOOP	HARRIS
5962-9050301EA	1(.5)	54LS396	STORAGE REGISTER, OCTAL, LOW-POWER	T.I.
5962-90503012A	1(.5)	54LS396	STORAGE REGISTER, OCTAL, LOW-POWER	T.I.
5962-9050501MEA		CD54HCT153F3A	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
5962-9050601SA	1(0)	54F623	BUS TRANSCEIVER, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	T.I.
5962-9050601RA	1(0)	54F623	BUS TRANSCEIVER, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	T.I.
5962-90506012A	1(0)	54F623	BUS TRANSCEIVER, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	T.I.
5962-9050602RA	3(4)	54F621	BUS TRANSCEIVER, 8-BIT, WITH MONINVERTING OPEN-COLLECTOR OUTPUTS	T.I.
5962-9050602SA	3(4)	54F621	BUS TRANSCEIVER, 8-BIT, WITH MONINVERTING OPEN-COLLECTOR OUTPUTS	T.I.
5962-90506022A	3(4)	54F621	BUS TRANSCEIVER, 8-BIT, WITH MONINVERTING OPEN-COLLECTOR OUTPUTS	T.I.
5962-9051001YC	1(0)	68HC11A0/BYCJC	MICROCONTROLLER, 8-BIT, ROM AND EEPROM DISABLED, 256 BYTES RAM	MOTOROLA
5962-9051001XA	1(0)	68HC11A0/BXAJC	MICROCONTROLLER, 8-BIT, ROM AND EEPROM DISABLED, 256 BYTES RAM	MOTOROLA
5962-9051002XA	1(0)	68HC11A1/BXAJC	MICROCONTROLLER, 8-BIT, ROM DISABLED, 256 BYTES RAM, 512 BYTES EEPROM	MOTOROLA
5962-9051002YC	1(0)	68HC11A1/BYCJC	MICROCONTROLLER, 8-BIT, ROM DISABLED, 256 BYTES RAM, 512 BYTES EEPROM	MOTOROLA
5962-9051801MEA		HD1-4702/883	RATE GENERATOR, PROGRAMMABLE BIT	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9052201PA	1(0)	DS1632J-8/883		NATIONAL
5962-9052201PA	1(0)	DS1632J-8/883	PERIPHERAL DRIVER, DUAL NAND, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
5962-9052201GA	1(0)	DS1632H/883	PERIPHERAL DRIVER, DUAL NAND, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
5962-9052301KA	2(2)	54ALS648	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-90523013A	2(2)	54ALS648	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-9052301LA	2(2)	54ALS648	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING, WITH 3-STATE OUTPUTS	T.I.
5962-9052401MEA		CD54HCT251F3A	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
5962-9052501MQA		HD1-6402R/883	RECEIVER TRANSMITTER, UNIVERSAL ASYNCHRONOUS, 2.0 MHZ	HARRIS
5962-9052502MQA		HD1-6402B/883	RECEIVER TRANSMITTER, UNIVERSAL ASYNCHRONOUS, 8.0 MHZ	HARRIS
5962-9054301MXA		MR82C37A-5	DMA CONTROLLER, PROGRAMMABLE, 5 MHZ	HARRIS
5962-9054301MQA		MD82C37A-5	DMA CONTROLLER, PROGRAMMABLE, 5 MHZ	HARRIS
5962-9054302MQA		MD82C37A	DMA CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
5962-9054302MXA		MR82C37A	DMA CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
5962-9054303MXA		MR82C37A-12	DMA CONTROLLER, PROGRAMMABLE, 12.5 MHZ	HARRIS
5962-9054303MQA		MD82C37A-12	DMA CONTROLLER, PROGRAMMABLE, 12.5 MHZ	HARRIS
5962-9054304MQA		MD82C237	DMA CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
5962-9054304MXA		MR82C237	DMA CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
5962-9054305MQA		MD82C237-12	DMA CONTROLLER, PROGRAMMABLE, 12.5 MHZ	HARRIS
5962-9054305MXA		MR82C237-12	DMA CONTROLLER, PROGRAMMABLE, 12.5 MHZ	HARRIS
5962-9054401MYA	1	HPC003U20/883	MICROCONTROLLER, HIGH PERFORMANCE	NATIONAL
5962-9054402MYA	1	HPC083XXX/U/883	MICROCONTROLLER, HIGH PERFORMANCE	NATIONAL
5962-9054901MQA		HD1-15531/883	MANCHESTER ENCODER/DECODER, 1.25 MEGABIT/S	HARRIS
5962-9054902MQA		HD1-15531B/883	MANCHESTER ENCODER/DECODER, 2.50 MEGABIT/S	HARRIS
5962-9055301EA		CD54HC40103F3A	BINARY COUNTER, 8-BIT SYNCHRONOUS	HARRIS
5962-9055701EA		CD14538BF3A	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE/RESETTABLE, PRECISION	HARRIS
5962-9055702EA	1	14538B/BEAJC	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE/RESETTABLE, PRECISION	MOTOROLA
5962-9056101M2A	1	10565M/B2AJC	PRIORITY ENCODER, 8-INPUT	MOTOROLA
5962-9056101MEA	1	10565/BEAJC	PRIORITY ENCODER, 8-INPUT	MOTOROLA
5962-9056101MFA	1	10565/BFAJC	PRIORITY ENCODER, 8-INPUT	MOTOROLA
5962-9056901EA	1	9056901EA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
5962-90569012A	1	90569012A	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
5962-9056901EA	2	DG401AK	ANALOG SWITCH, SPST, 2-CHANNEL	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9057401EA		CD54HCT40102F3A	BCD COUNTER, 8-BIT SYNCHRONOUS DOWN, TTL-COMPATIBLE INPUTS	HARRIS
5962-9058201EA	1(0)	54F191DMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
5962-9058201FA	1(0)	54F191FMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
5962-90582012A	1(0)	54F191LMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
5962-9058801M2A	1	10H750M/B2AJC	VOLTAGE TRANSLATOR, ECL-TO-TTL	MOTOROLA
5962-9058801MEA	1	10H750/BEAJC	VOLTAGE TRANSLATOR, ECL-TO-TTL	MOTOROLA
5962-9058801MFA	1	10H750/BFAJC	VOLTAGE TRANSLATOR, ECL-TO-TTL	MOTOROLA
5962-9059001MDA	3	54AC05FMQB	HEX INVERTER. WITH OPEN-DRAIN OUTPUTS	NATIONAL
5962-9059001MCA	3	54AC05DMQB	HEX INVERTER, WITH OPEN-DRAIN OUTPUTS	NATIONAL
5962-9059001M2A	3	54AC05LMQB	HEX INVERTER, WITH OPEN-DRAIN OUTPUTS	NATIONAL
5962-9059301MFA	1(0)	54F402FMQB	POLYNOMIAL GENERATOR/CHECKER, SERIAL DATA	NATIONAL
5962-9059301M2A	1(0)	54F402LMQB	POLYNOMIAL GENERATOR/CHECKER, SERIAL DATA	NATIONAL
5962-9059301MEA	1(0)	54F402DMQB	POLYNOMIAL GENERATOR/CHECKER, SERIAL DATA	NATIONAL
5962-9059701MEA		CD54HCT4017F3A	DECADE COUNTER/DIVIDER, WITH 10 DECODED OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
5962-9060401DA	1(0)	TLC274	OP AMP, QUAD, PRECISION	T.I.
5962-90604012A	1(0)	TLC274	OP AMP, QUAD, PRECISION	T.I.
5962-9060401CA	1(0)	TLC274	OP AMP, QUAD, PRECISION	T.I.
5962-90604022A	1(0)	TLC279	OP AMP, QUAD, PRECISION	T.I.
5962-9060402CA	1(0)	TLC279	OP AMP, QUAD, PRECISION	T.I.
5962-9060402DA	1(0)	TLC279	OP AMP, QUAD, PRECISION	T.I.
5962-90604032A	1(0)	TLC27M4	OP AMP, QUAD, PRECISION	T.I.
5962-9060403CA	1(0)	TLC27M4	OP AMP, QUAD, PRECISION	T.I.
5962-9060403DA	1(0)	TLC27M4	OP AMP, QUAD, PRECISION	T.I.
5962-9060404DA	1(0)	TLC27M9	OP AMP, QUAD, PRECISION	T.I.
5962-90604042A	1(0)	TLC27M9	OP AMP, QUAD, PRECISION	T.I.
5962-9060404CA	1(0)	TLC27M9	OP AMP, QUAD, PRECISION	T.I.
5962-9060405DA	1(0)	TLC27L4	OP AMP, QUAD, PRECISION	T.I.
5962-9060405CA	1(0)	TLC27L4	OP AMP, QUAD, PRECISION	T.I.
5962-90604052A	1(0)	TLC27L4	OP AMP, QUAD, PRECISION	T.I.
5962-9060406CA	1(0)	TLC27L9	OP AMP, QUAD, PRECISION	T.I.
5962-90604062A	1(0)	TLC27L9	OP AMP, QUAD, PRECISION	T.I.
5962-9060406DA	1(0)	TLC27L9	OP AMP, QUAD, PRECISION	T.I.
5962-9061601LA	3(4)	54ALS29821	FLIP-FLOP, 10-BIT, BUS INTERFACE, WITH 3-STATE OUTPUTS	T.I.
5962-9062801SA	1(0)	55ALS056	BUS TRANSCEIVER, INTERFACE, TRAPEZOIDAL-WAVEFORM	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9062801RA	1(0)	55ALS056	BUS TRANSCEIVER, INTERFACE, TRAPEZOIDAL-WAVEFORM	T.I.
5962-9062901RA	1(0)	55ALS057	BUS TRANSCEIVER, INTERFACE, TRAPEZOIDAL-WAVEFORM	T.I.
5962-90629012A	1(0)	55ALS057	BUS TRANSCEIVER, INTERFACE, TRAPEZOIDAL-WAVEFORM	T.I.
5962-9062901SA	1(0)	55ALS057	BUS TRANSCEIVER, INTERFACE, TRAPEZOIDAL-WAVEFORM	T.I.
5962-9063301MCA	1	AD713SQ/883B	OP AMP, QUAD, BIFET	ANALOG DEVICES
5962-9063302MCA	1	AD713TQ/883B	OP AMP, QUAD, BIFET	ANALOG DEVICES
5962-9064001CA		CD4016BF3A	BILATERAL SWITCH, QUAD	HARRIS
5962-9065101MCA		CD54HCT126F3A	BUFFER, QUAD, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
5962-9065201MEA		CD54HCT151F3A	DATA SEL/MULTIPLEXER, 8-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
5962-9065401MEA		CD54HCT4051F3A	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL, TTL-COMPATIBLE INPUTS	HARRIS
5962-9066501M2A	1(0)	54ALS137	DECODER, 3-TO-8-LINE, WITH ADDRESS LATCHES	T.I.
5962-9066501MEA	1(0)	54ALS137	DECODER, 3-TO-8-LINE, WITH ADDRESS LATCHES	T.I.
5962-9066501MFA	1(0)	54ALS137	DECODER, 3-TO-8-LINE, WITH ADDRESS LATCHES	T.I.
5962-9067101MRA	1	AD598SD/883B	SIGNAL CONDITIONER, LINEAR VARIABLE DIFFERENTIAL TRANSFORMER	ANALOG DEVICES
5962-9067502MLA	3(4)	54ALS29824	FLIP-FLOP, 9-BIT BUS INTERFACE, WITH 3-STATE OUTPUTS, INVERTING INPUTS	T.I.
5962-9067502M3A	3(4)	54ALS29824	FLIP-FLOP, 9-BIT BUS INTERFACE, WITH 3-STATE OUTPUTS, INVERTING INPUTS	T.I.
5962-9067502MKA	3(4)	54ALS29824	FLIP-FLOP, 9-BIT BUS INTERFACE, WITH 3-STATE OUTPUTS, INVERTING INPUTS	T.I.
5962-9067801MXC		MG80C286-10/883	MICROPROCESSOR, 16-BIT, 10 MHZ	HARRIS
5962-9067802MXC		MG80C286-12/883	MICROPROCESSOR, 16-BIT, 12 MHZ	HARRIS
5962-9068901MEA	1	9068901EA	ANALOG SWITCH, SPDT, 2-CHANNEL, WITH BIPOLAR DRIVE	SILICONIX
5962-9070101MEA		CD54HCT109F3A	FLIP-FLOP, JK, DUAL, WITH SET AND RESET, TTL-COMPATIBLE INPUTS	HARRIS
5962-9070201MEA		CD54HCT157F3A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, NONINVERTING, TTL-COMPATIBLE INPUTS	HARRIS
5962-9070301MEA		CD54HCT158F3A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, INVERTING, TTL-COMPATIBLE INPUTS	HARRIS
5962-9070401QXX	1	WE-DSP-16	DIGITAL SIGNAL PROCESSOR, 16-BIT	AT&T
5962-9070501MEA		CD54HCT160F3A	DECADE COUNTER, ASYNCHRONOUS RESET, TTL-COMPATIBLE INPUTS	HARRIS
5962-9070601MEA		CD54HCT367F3A	BUFFER/LINE DRIVER, HEX, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
5962-9073101MEA	1	9073101EA	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
5962-9073101M2A	1	90731012A	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
5962-9073101MEA	2	DG411AK	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
5962-9073102MEA	1	9073102EA	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
5962-9073102MEA	2	DG412AK	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9073102M2A	1	90731022A	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
5962-9073103MEA	1	9073103EA	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
5962-9073103M2A	1	90731032A	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
5962-9073103MEA	2	DG413AK	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
5962-9073701MPA	1	9073701PA	ANALOG SWITCH, SPST, 1-CHANNEL	SILICONIX
5962-9073702MPA	1	9073702PA	ANALOG SWITCH, SPST, 1-CHANNEL	SILICONIX
5962-9073703MPA	1	9073703PA	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
5962-9075701MPA	2	35063/BPAJC	DC/DC CONVERTER CONTROL CIRCUIT	MOTOROLA
5962-9075801MEA		CD54HCT75F3A	LATCH, DUAL 2-BIT, BISTABLE, TRANSPARENT, TTL-COMPATIBLE INPUTS	HARRIS
5962-9076501M2A	1	DS96F172ME/883	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE	NATIONAL
5962-9076501MEA	1	DS96F172MJ/883	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE	NATIONAL
5962-9076502MEA	1	DS96F174MJ/883	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE	NATIONAL
5962-9076502M2A	1	DS96F174ME/883	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE	NATIONAL
5962-9076502MFA	1	DS96F174MW/883	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE	NATIONAL
5962-9076601MEA	1	DS96F175FMJ-883	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485	NATIONAL
5962-9076601MFA	1	DS96F175MW/883	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485	NATIONAL
5962-9076601M2A	1	DS96F175ME/883	LINE RECEIVER, QUAD DIFFERENTIAL, RS 485	NATIONAL
5962-9076602MEA	1	DS96F173MJ/883	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485	NATIONAL
5962-9076602MFA	1	DS96F173MW/883	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485	NATIONAL
5962-9076602M2A	1	DS96F173ME/883	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485	NATIONAL
5962-9080001MFA	1	DM54LS502W/883	REGISTER, 8-BIT SUCCESSIVE APPROXIMATION	NATIONAL
5962-9080001MCA	1	DM54LS502J/883	REGISTER, 8-BIT SUCCESSIVE APPROXIMATION	NATIONAL
5962-9080701MHA	1(1)	TLE2061		T.I.
5962-9080701M2A	1(1)	TLE2061	OP AMP, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
5962-9080701MPA	1(1)	TLE2061	OP AMP, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
5962-9080801MPA	1(.5)	TLE2062	OP AMP, DUAL, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
5962-9080801M2A	1(.5)	TLE2062	OP AMP, DUAL, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
5962-9080901MCA	1(1)	TLE2064	OP AMP, QUAD, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
5962-9080901M2A	1(1)	TLE2064	OP AMP, QUAD, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
5962-9080901MDA	1(1)	TLE2064		T.I.
5962-9081201MGA	2	LM6121H/883	BUFFER, HIGH-SPEED	NATIONAL
5962-9081501MGA	1(0)	LM6125H/883B	BUFFER, HIGH-SPEED	NATIONAL
5962-9081802MPA		LM6181J/883		NATIONAL
5962-9084501MPA	2(2)	TLC548	A/D CONVERTER, 8-BIT, WITH SERIAL CONTROL, 2.048 MHZ	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9084501M2A	2(2)	TLC548	A/D CONVERTER, 8-BIT, WITH SERIAL CONTROL, 2.048 MHZ	T.I.
5962-9084502MPA	3(4)	TLC549	A/D CONVERTER, 8-BIT, WITH SERIAL CONTROL, 1.1 MHZ	T.I.
5962-9084502M2A	3(4)	TLC549	A/D CONVERTER, 8-BIT, WITH SERIAL CONTROL, 1.1 MHZ	T.I.
5962-9084801MEA		CD54HCT193F3A	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, ASYNCHRONOUS RESET, TTL-COMPT.	HARRIS
5962-9084901MCA		CD54HCT107F3A	FLIP-FLOP, JK, DUAL, NEGATIVE-EDGE TRIGGERED, WITH RESET	HARRIS
5962-9086201MGA	1	LM759H/883	OP AMP, POWER	NATIONAL
5962-9086301MXA	1(.5)	TLC32040	INTERFACE CIRCUIT, ANALOG	T.I.
5962-9086301M3A	1(.5)	TLC32040	INTERFACE CIRCUIT, ANALOG	T.I.
5962-9086302M3A	1(.5)	TLC32044	INTERFACE CIRCUIT, ANALOG, VOICE-BAND	T.I.
5962-9086302MXA	1(.5)	TLC32044	INTERFACE CIRCUIT, ANALOG, VOICE-BAND	T.I.
5962-9087801MCA	1	AH5010J/883	ANALOG SWITCH, 4-CHANNEL	NATIONAL
5962-9088001MEA	1	AH5012J/883	ANALOG SWITCH, 4-CHANNEL	NATIONAL
5962-9088101MPA	1(.5)	TLE2021	OP AMP, HIGH-SPEED, LOW-POWER	T.I.
5962-9088101M2A	1(.5)	TLE2021	OP AMP, HIGH-SPEED, LOW-POWER	T.I.
5962-9088102MPA	1(.5)	TLE2022	OP AMP, DUAL, HIGH-SPEED, LOW-POWER	T.I.
5962-9088102M2A	1(.5)	TLE2022	OP AMP, DUAL, HIGH-SPEED, LOW-POWER	T.I.
5962-9088103MCA	1(.5)	TLE2024	OP AMP, QUAD, HIGH-SPEED, LOW-POWER	T.I.
5962-9088103M2A	1(.5)	TLE2024	OP AMP, QUAD, HIGH-SPEED, LOW-POWER	T.I.
5962-9088201M2A	3(4)	TLC2201	OP AMP, LOW-PRECISION, SINGLE	T.I.
5962-9088201MPA	3(4)	TLC2201	OP AMP, LOW-PRECISION, SINGLE	T.I.
5962-9088202M2A	3(4)	TLC2202	OP AMP, DUAL, LOW-PRECISION	T.I.
5962-9088202MPA	3(4)	TLC2202	OP AMP, DUAL, LOW-PRECISION	T.I.
5962-9088301MYA	1(0)	LM2940K-8/883C	VOLT. REGULATOR, 8V, 1.0A, LOW DROPOUT	NATIONAL
5962-9088401MYA	3	LM2940K-12/883C	VOLT. REGULATOR, 12V, 1.0A, LOW DROPOUT	NATIONAL
5962-9088501MYA	3	LM2940K-15/883C	VOLT. REGULATOR, 15V, 1.0A, LOW DROPOUT	NATIONAL
5962-9088801MRA		HD1-6409/883	MANCHESTER ENCODER/DECODER	HARRIS
5962-9088801M2A		HD4-6409/883	MANCHESTER ENCODER/DECODER	HARRIS
5962-9089401MEA	0	AD526SD/883B	AMPLIFIER, PROGRAMMABLE GAIN	ANALOG DEVICES
5962-9089501M2A	3(4)	TLC2652	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.
5962-9089501MPA	3(4)	TLC2652	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.
5962-9089501MCA	3(4)	TLC2652	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.
5962-9089502M2A	3(4)	TLC2654	OP AMP, LOW-NOISE CHOPPER-STABILIZED	T.I.
5962-9089502MPA	3(4)	TLC2654	OP AMP, LOW-NOISE CHOPPER-STABILIZED	T.I.
5962-9089502MCA	3(4)	TLC2654	OP AMP, LOW-NOISE CHOPPER-STABILIZED	T.I.
5962-9089503MCA	3(4)	TLC2652A	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.
5962-9089503MPA	3(4)	TLC2652A	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9089503M2A	3(4)	TLC2652A	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.
5962-9089601M2A	3(4)	TLE2027	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
5962-9089601MPA	3(4)	TLE2027	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
5962-9089602MPA	3(4)	TLE2037	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION, UNCOMPENSATED	T.I.
5962-9089602M2A	3(4)	TLE2037	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION, UNCOMPENSATED	T.I.
5962-9091001MRA	3	54F377DMQB	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH CLOCK ENABLE	NATIONAL
5962-9091001M2A	3	54F377LMQB	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH CLOCK ENABLE	NATIONAL
5962-9091001MSA	3	54F377FMQB	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH CLOCK ENABLE	NATIONAL
5962-9091401MXA	1	LM185BH/883	VOLTAGE REFERENCE, ADJUSTABLE	NATIONAL
5962-9091401M2A	1	LM185BE/883	VOLTAGE REFERENCE, ADJUSTABLE	NATIONAL
5962-9091601M2A	3	54AC520LMQB	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE AND PULL-UP RESISTORS	NATIONAL
5962-9091601MSA	3	54AC520FMQB	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE AND PULL-UP RESISTORS	NATIONAL
5962-9091601MRA	3	54AC520DMQB	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE AND PULL-UP RESISTORS	NATIONAL
5962-9093201MEA	3(4)	TL7770-5	POWER SUPPLY SUPERVISOR, DUAL	T.I.
5962-9093201M2A	3(4)	TL7770-5	POWER SUPPLY SUPERVISOR, DUAL	T.I.
5962-9093202M2A	3(4)	TL7770-12	POWER SUPPLY SUPERVISOR, DUAL	T.I.
5962-9093202MEA	3(4)	TL7770-12	POWER SUPPLY SUPERVISOR, DUAL	T.I.
5962-9093203MEA	1(1)	TL7770-15	POWER SUPPLY SUPERVISOR, DUAL	T.I.
5962-9093203M2A	1(1)	TL7770-15	POWER SUPPLY SUPERVISOR, DUAL	T.I.
5962-9093501FA	1	10538/BFAJC	BI-QUINARY COUNTER	MOTOROLA
5962-9093501EA	1	10538/BEAJC	BI-QUINARY COUNTER	MOTOROLA
5962-90935012A	1	10538M/B2AJC	BI-QUINARY COUNTER	MOTOROLA
5962-9096601MRA	1(0)	ADC0802LJ/883	A/D CONVERTER, 8-BIT, MICROPROCESSOR-COMPATIBLE	NATIONAL
5962-9096701MCA	1(0)	LMF60CMJ100/883	FILTER, 6TH-ORDER SWITCHED CAPACITOR BUTTERWORTH LOW-PASS	NATIONAL
5962-9096702MCA	1(0)	LMF60CMJ50/883	FILTER, 6TH-ORDER SWITCHED CAPACITOR BUTTERWORTH LOW-PASS	NATIONAL
5962-9096801MCA	2	LMF90CMJ/883	FILTER, 4TH-ORDER ELLIPTIC NOTCH	NATIONAL
5962-9096901M2A	1(.5)	TLC3704	VOLT. COMPARATOR, QUAD DIFFERENTIAL, LOW-POWER	T.I.
5962-9096901MCA	1(.5)	TLC3704	VOLT. COMPARATOR, QUAD DIFFERENTIAL, LOW-POWER	T.I.
5962-9098001MXA	1	AD843SH/883B	OP AMP, PRECISION, FAST-SETTLING	ANALOG DEVICES
5962-9098001MPA	1	AD843SQ/883B	OP AMP, PRECISION, FAST-SETTLING	ANALOG DEVICES
5962-9098001M2A	1	AD843SE/883B	OP AMP, PRECISION, FAST-SETTLING	ANALOG DEVICES
5962-9098401MEA		CD54HCT390F3A	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9098501MRA	3	54AC521DMQB	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE	NATIONAL
5962-9098501MSA	3	54AC521FMQB	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE	NATIONAL
5962-9098501M2A	3	54AC521LMQB	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE	NATIONAL
5962-9150501MPA	1	AD790SQ/883B	VOLT. COMPARATOR, HIGH-SPEED, PRECISION, WITH LATCH CIRCUIT	ANALOG DEVICES
5962-9151301MMA	1(0)	54HC51		T.I.
5962-9151301M2A	1(0)	54HC51	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
5962-9152801MXA	1(0)	100301DMQB	OR/NOR GATE, TRIPLE 5-INPUT	NATIONAL
5962-9152801MYA	2	100301FMQB	OR/NOR GATE, TRIPLE 5-INPUT	NATIONAL
5962-9152802MYA	1(0)	100302FMQB	OR/NOR GATE, QUINT 2-INPUT	NATIONAL
5962-9152802MXA	1(0)	100302DMQB	OR/NOR GATE, QUINT 2-INPUT	NATIONAL
5962-9153001MXA	2	100324DMQB	HEX TRANSLATOR, TTL-TO-ECL	NATIONAL
5962-9153001MYA	2	100324FMQB	HEX TRANSLATOR, TTL-TO-ECL	NATIONAL
5962-9153101MYA	1(0)	100325FMQB	TRANSLATOR, HEX ECL-TO-TTL	NATIONAL
5962-9153101MXA	1(0)	100325DMQB	TRANSLATOR, HEX ECL-TO-TTL	NATIONAL
5962-9153301MRA	2	LMF100AJ/883	FILTER, DUAL, SWITCHED, HIGH PERFORMANCE	NATIONAL
5962-9153301M2X	2	LMF100AE/83		NATIONAL
5962-9153301M2X		LMF100AE/883		NATIONAL
5962-9153601MYA	1(0)	100331FMQB	FLIP-FLOP, D-TYPE, TRIPLE	NATIONAL
5962-9153601MXA	1(0)	100331DMQB	FLIP-FLOP, D-TYPE, TRIPLE	NATIONAL
5962-9153701MYA	1(0)	100304FMQB	AND/NAND GATE, QUINT	NATIONAL
5962-9153701MXA	1(0)	100304DMQB	AND/NAND GATE, QUINT	NATIONAL
5962-9154901MPA	2	NM93CS66J/883	PROM, ELECTR. ERASABLE, 256 X 16	NATIONAL
5962-9156501M2A	3	LM6118E/883	OP AMP, DUAL, FAST-SETTLING	NATIONAL
5962-9156501MPA	3	LM6118J/883	OP AMP, DUAL, FAST-SETTLING	NATIONAL
5962-9157801MXA	2	ADC1241CMJ/883	A/D CONVERTER, 12-BIT, SELF-CALIBRATING, WITH SAMPLE-AND-HOLD	NATIONAL
5962-9157802MXA	2	ADC12441CMJ/883	A/D CONVERTER, 12-BIT, DYNAMICALLY-TESTED SELF-CALIBRATING, WITH SAMPLE-AND-HOLD	NATIONAL
5962-9160301MEA	3	54AC169DMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
5962-9160301M2A	3	54AC169LMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
5962-9160301MFA	3	54AC169FMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
5962-9160401MEA	3	54AC258DMQB	MULTIPLEXER, QUAD 2-INPUT, 3-STATE OUTPUTS	NATIONAL
5962-9160401M2A	3	54AC258LMQB	MULTIPLEXER, QUAD 2-INPUT, 3-STATE OUTPUTS	NATIONAL
5962-9160401MFA	3	54AC258FMQB	MULTIPLEXER, QUAD 2-INPUT, 3-STATE OUTPUTS	NATIONAL
5962-9160501MFA	3	54AC378FMQB	FLIP-FLOP, D TYPE, HEX, WITH ENABLE	NATIONAL
5962-9160501M2A	3	54AC378LMQB	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE	NATIONAL
5962-9160501MEA	3	54AC378DMQB	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE	NATIONAL
5962-9160601M3A	1(0)	54AC821LMQB	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS,	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			TTL-COMPATIBLE INPUTS	
5962-9160601MKA	1(0)	54AC821FMQB	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9160601MLA	1(0)	54AC821SDMQB	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9160701MSA	3	54ACT323FMQB	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH SYNCHRONOUS RESET AND COMMON I/O	NATIONAL
5962-9160701M2A	3	54ACT323LMQB	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH SYNCHRONOUS RESET AND COMMON I/O	NATIONAL
5962-9160701MRA	3	54ACT323DMQB	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH SYNCHRONOUS RESET AND COMMON I/O	NATIONAL
5962-9160901MLA	3	54ACT818SDMQB	PIPELINE REGISTER, 8-BIT DIAGNOSTIC, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9160901MKA	3	54ACT818FMQB	PIPELINE REGISTER, 8-BIT DIAGNOSTIC, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9160901M3A	3	54ACT818LMQB	PIPELINE REGISTER, 8-BIT DIAGNOSTIC, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9161001MKA	1(0)	54ACT823FMQB	FLIP-FLOP, D-TYPE, 9-BIT, POS. EDGE-TRIGGERED, TTL-COMP INPUTS, TS-OUTPUTS	NATIONAL
5962-9161001MLA	1(0)	54ACT823SDMQB	FLIP-FLOP, D-TYPE, 9-BIT, POS. EDGE-TRIGGERED, TTL-COMP INPUTS, TS-OUTPUTS	NATIONAL
5962-9161001M3A	1(0)	54ACT823LMQB	FLIP-FLOP, D-TYPE, 9-BIT, POS. EDGE-TRIGGERED, TTL-COMP INPUTS, TS-OUTPUTS	NATIONAL
5962-9161101MKA	1(0)	54ACT825FMQB	FLIP-FLOP, D-TYPE, 8-BIT, TTL-COMPATIBLE INPUTS, POSITIVE EDGE-TRIGGERED	NATIONAL
5962-9161101M3A	1(0)	54ACT825LMQB	FLIP-FLOP, D-TYPE, 8-BIT, TTL-COMPATIBLE INPUTS, POSITIVE EDGE-TRIGGERED	NATIONAL
5962-9161101MLA	1(0)	54ACT825SDMQB	FLIP-FLOP, D-TYPE, 8-BIT, TTL-COMPATIBLE INPUTS, POSITIVE EDGE-TRIGGERED	NATIONAL
5962-9162901MYA	3	100314FMQB	LINE RECEIVER, QUINT DIFFERENTIAL	NATIONAL
5962-9162901MXA	3	100314DMQB	LINE RECEIVER, QUINT DIFFERENTIAL	NATIONAL
5962-9163001MEA		CD54HCT4052F3A	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL DIFFERENTIAL, TTL-COMPATIBLE INPUTS	HARRIS
5962-9163101MIA	1	LM122H/883	TIMER, PRECISION	NATIONAL
5962-9163401MPA		HA7-5221/883	OP AMP	HARRIS
5962-9163401M2A		HA4-5221/883	OP AMP	HARRIS
5962-9163402MPA		HA7-5222/883	OP AMP, DUAL	HARRIS
5962-9163402M2A		HA7-5222/883	OP AMP, DUAL	HARRIS
5962-9163901M2A	1	DS26C31ME/883	LINE DRIVER, QUAD DIFFERENTIAL	NATIONAL
5962-9163901MEA	1	DS26C31MJ/883	LINE DRIVER, QUAD DIFFERENTIAL	NATIONAL
5962-9163901MFA	1	DS26C31MW/883	LINE DRIVER, QUAD DIFFERENTIAL	NATIONAL
5962-9164001MFA	1	DS26C32AMW/883	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
5962-9164001M2A	1	DS26C32AME/883	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
5962-9164001MEA	1	DS26C32AMJ/883	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
5962-9164101MJA	1	DP8572AMD/883	REAL TIME CLOCK	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9165301MPA	2	1644Y	DRIVER, DUAL, HIGH-SPEED	LINFINITY
5962-9165301MGA	2	1644T	DRIVER, DUAL, HIGH-SPEED	LINFINITY
5962-9165301MCA	2	1644J	DRIVER, DUAL, HIGH-SPEED	LINFINITY
5962-9165401MYA	1(0)	100355FMQB	MULTIPLEXER/LATCH, QUAD 2-INPUT	NATIONAL
5962-9165401MXA	1(0)	100355DMQB	MULTIPLEXER/LATCH, QUAD 2-INPUT	NATIONAL
5962-9165501MYA	3	100363FMQB	MULTIPLEXER, DUAL 8-INPUT	NATIONAL
5962-9165501MXA	3	100363DMQB	MULTIPLEXER, DUAL 8-INPUT	NATIONAL
5962-9167101MXA	1	LM1575K-ADJ/883	VOLT. REGULATOR, ADJ., POSITIVE, STEP-DOWN SWITCHING	NATIONAL
5962-9167101MEA	2	LM1575J-ADJ/883	VOLT. REGULATOR, ADJ., POSITIVE, STEP-DOWN SWITCHING	NATIONAL
5962-9167101MXA	2	LM1575K-ADJ/883	VOLT. REGULATOR, ADJ., POSITIVE, STEP-DOWN SWITCHING	NATIONAL
5962-9169003MXA	1	AD674B/883B	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
5962-9172201M2A	1(0)	54ACT161LMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, ASYNCHRONOUS RESET, TTL-COMPATIB	NATIONAL
5962-9172201MEA	1(0)	54ACT161DMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, ASYNCHRONOUS RESET, TTL-COMPATIB	NATIONAL
5962-9172201MFA	1(0)	54ACT161FMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, ASYNCHRONOUS RESET, TTL-COMPATIB	NATIONAL
5962-9172301MEA	1(0)	54ACT163DMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, SYNCHRONOUS RESET, TTL-COMPATIBL	NATIONAL
5962-9172301MFA	1(0)	54ACT163FMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, SYNCHRONOUS RESET, TTL-COMPATIBL	NATIONAL
5962-9172301M2A	1(0)	54ACT163LMQB	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, SYNCHRONOUS RESET, TTL-COMPATIBL	NATIONAL
5962-9172401MLA	3(4)	54BCT648		T.I.
5962-9172401MKA	3(4)	54BCT648		T.I.
5962-9172401M3A	3(4)	54BCT648		T.I.
5962-9173801MSA	3(4)	54F573		T.I.
5962-9173801MSA		54F573FMQB		NATIONAL
5962-9173801M2A		54F573LMQB		NATIONAL
5962-9173801M2A	3(4)	54F573		T.I.
5962-9173801MRA	3(4)	54F573		T.I.
5962-9173801MRA		54F573DMQB		NATIONAL
5962-9175301M2A	3(4)	54F541	BUFFER, OCTAL, WITH 3-STATE NONINVERTERD OUTPUTS	T.I.
5962-9175301MRA	3(4)	54F541	BUFFER, OCTAL, WITH 3-STATE NONINVERTERD OUTPUTS	T.I.
5962-9175301MSA	3(4)	54F541	BUFFER, OCTAL, WITH 3-STATE NONINVERTERD OUTPUTS	T.I.
5962-9201301MEA	1	AD684SQ/883B	SAMPLE AND HOLD AMPLIFIER, FOUR-CHANNEL	ANALOG DEVICES
5962H9202601VZX	1	IBMFXPC-V49F		IBM
5962H9202601QZX	1	IBMFXPC-Q49F		IBM

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9204101MEA	2	DG441AK	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
5962-9204101MEA	1	9204101EA	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
5962-9204102MEA	2	DG442AK	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
5962-9204101M2A	1	92041012A	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
5962-9204102M2A	1	92041022A	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
5962-9204102MEA	1	9204102EA	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
5962-9204201MEA	1	9204201EA	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	SILICONIX
5962-9204201MEA	2	DG408AK	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS
5962-9204202MEA	1	9204202EA	ANALOG MULTIPLEXER/DEMULTIPLEXER, DUAL 4-CHANNEL	SILICONIX
5962-9204202MEA	2	DG409AK	ANALOG MULTIPLEXER/DEMULTIPLEXER, DUAL 4-CHANNEL	HARRIS
5962-9204601MCA	1(0)	54LS628	VOLT. CONTROLLED OSCILLATOR	T.I.
5962-9204601M2A	1(0)	54LS628	VOLT. CONTROLLED OSCILLATOR	T.I.
5962-9206601MXA	1	100329DMQB	ECL/TTL TRANSLATOR, OCTAL BI-DIRECTIONAL, WITH REGISTER	NATIONAL
5962-9206601MYA	1	100329FMQB	ECL/TTL TRANSLATOR, OCTAL BI-DIRECTIONAL, WITH REGISTER	NATIONAL
5962-9207501MYA	1(0)	10H1042/BYAJC	CLOCK DRIVER, 68030/40 ECL/TTL	MOTOROLA
5962-9207502MYA	1(0)	100H1042/BYAJC	CLOCK DRIVER, 68030/40 ECL/TTL, TEMPERATURE COMPENSATED	MOTOROLA
5962-9209001MKA	2	54F827FMQB	BUFFER/LINE DRIVER, 10-BIT	NATIONAL
5962-9209001MLA	2	54F827SDMQB	BUFFER/LINE DRIVER, 10-BIT	NATIONAL
5962-9209001M3A	2	54F827LMQB	BUFFER/LINE DRIVER, 10-BIT	NATIONAL
5962-9209301MCA	1	LMC660AMJ/883	OP AMP, QUAD	NATIONAL
5962-9209302MCA	1	LPC660AMJ/883	OP AMP, QUAD, LOW-POWER	NATIONAL
5962-9209303MCA		LMC6064AMJ/883	OP AMP, QUAD	NATIONAL
5962-9209401MPA	2	LMC662AMJ/883	OP AMP, DUAL	NATIONAL
5962-9209402MPA	2	LPC662AMJ/883	OP AMP, DUAL, LOW-POWER	NATIONAL
5962-9209403MPA	2	LMC6062AMJ/883	OP AMP, DUAL	NATIONAL
5962-9209702MXC		HSP43891GM-25/883	FILTER, DIGITAL	HARRIS
5962H9210301VZX	1	IBMFLPC-V47F	MICROPROCESSOR, FLOATING-POINT	IBM
5962H9210301QZX	1	IBMFLPC-Q47F	MICROPROCESSOR, FLOATING-POINT	IBM
5962H9210401VZX	1	IBMAP1C-V47F	ADDRESS PROCESSOR	IBM
5962H9210401QZX	1	IBMAP1C-Q47F	ADDRESS PROCESSOR	IBM
5962H9210601QZX	1	IBMAP2C-Q45F	ADDRESS PROCESSOR	IBM
5962H9210601VZX	1	IBMAP2C-V45F	ADDRESS PROCESSOR	IBM
5962-9211701M2A	1	AD827SE/883B	OP AMP, DUAL, HIGH-SPEED, LOW-POWER	ANALOG DEVICES
5962-9211701MPA	1	AD827SQ/883B	OP AMP, DUAL, HIGH-SPEED, LOW-POWER	ANALOG DEVICES
5962-9211801MYA		UT69151WBX	BUS CONTROLLER, MIL-STD-1553, REMOTE TERMINAL, MONITOR INTERFACE	UTMC

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9211801MXA		UT69151GBX	BUS CONTROLLER, MIL-STD-1553, REMOTE TERMINAL, MONITOR INTERFACE	UTMC
5962-9211801MXC		UT69151GBX	BUS CONTROLLER, MIL-STD-1553, REMOTE TERMINAL, MONITOR INTERFACE	UTMC
5962-9211801MYC		UT69151WBX	BUS CONTROLLER, MIL-STD-1553, REMOTE TERMINAL, MONITOR INTERFACE	UTMC
5962-9214801MZA	3(4)	54ABT245		T.I.
5962-9214801MSA	3(4)	54ABT245		T.I.
5962-9214801MRA	3(4)	54ABT245		T.I.
5962H9215301QXX	2	IBM2568C-Q60X	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
5962H9215301VYX	2	IBM2568C-V60Y	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
5962H9215301VXX	2	IBM2568C-V60X	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
5962H9215301QYX	2	IBM2568C-Q60Y	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
5962H9215302QZX	2	IBM2568T-Q60I	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
5962H9215302QXX	2	IBM2568T-Q60X	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
5962H9215302VZX	2	IBM2568T-V60I	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
5962H9215302QYX	2	IBM2568T-Q60Y	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
5962H9215302VYX	2	IBM2568T-V60Y	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
5962H9215303VXX	2	IBM2568C-V40X	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
5962H9215303VZX	2	IBM2568C-V40I	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
5962H9215303VYX	2	IBM2568C-V40Y	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
5962H9215303QZX	2	IBM2568C-Q40I	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
5962H9215303QXX	2	IBM2568C-Q40X	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
5962H9215304VXX	2	IBM2568T-V40X	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
5962H9215304VZX	2	IBM2568T-V40I	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
5962H9215304VYX	2	IBM2568T-V40Y	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
5962H9215304QXX	2	IBM2568T-Q40X	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
5962H9215304QZX	2	IBM2568T-Q40I	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
5962H9215304QYX	2	IBM2568T-Q40Y	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
5962H9215305QZX	2	HC6856/1XQHZC	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
5962R9215305QUX	2	HC6856/1WQRZC	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
5962R9215305QZX	2	HC6856/1XQRZC	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
5962H9215305QUX	2	HC6856/1WQHZC	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
5962R9215306QUX	2	HC6856/1WQRZT	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
5962H9215306QZX	2	HC6856/1XQHZT	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
5962H9215306QUX	2	HC6856/1WQHZT	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
5962R9215306QZX	2	HC6856/1XQRZT	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
5962H9215307QZX	2	HC6856/1XQHAC	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
5962R9215307QUX	2	HC6856/1WQRAC	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962R9215307QZX	2	HC6856/1XQRAC	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
5962H9215307QUX	2	HC6856/1WQHAC	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
5962R9215308QZX	2	HC6856/1XQRAT	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
5962R9215308QUX	2	HC6856/1WQRAT	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
5962H9215308QUX	2	HC6856/1WQHAT	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
5962H9215308QZX	2	HC6856/1XQHAT	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
5962-9216501M2A	1	LM6162E/883	OP AMP, HIGH-SPEED	NATIONAL
5962-9216501MPA	1	LM6162J/883	OP AMP, HIGH-SPEED	NATIONAL
5962-9216501MHA	1	LM6162W/883	OP AMP, HIGH-SPEED	NATIONAL
5962-9216601MXA	3	LM1577K-ADJ/883	VOLT. REGULATOR, ADJUSTABLE STEP-UP	NATIONAL
5962-9216701MXA	3	LM1577K-12/883	VOLT. REGULATOR, FIXED, POSITIVE, 12V, STEP-UP	NATIONAL
5962-9216801MXA	3	LM1577K-15/883	VOLT. REGULATOR, FIXED, POSITIVE, 15V, STEP-UP	NATIONAL
5962-9217401MCA		54AC2525DMQB		NATIONAL
5962-9217401MDA		54AC2525FMQB		NATIONAL
5962-9217401M2A		54AC2525LMQB		NATIONAL
5962-9217601MRA	3	54ACQ244DMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-9217601MSA	3	54ACQ244FMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-9217601M2A	3	54ACQ244LMQB	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
5962-9217701MRA		54ACQ245DMQB		NATIONAL
5962-9217701MSA		54ACQ245FMQB		NATIONAL
5962-9217701M2A		54ACQ245LMQB		NATIONAL
5962-9218101MDA	1(0)	54ACTQ02FMQB	NOR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9218101MCA	1(0)	54ACTQ02DMQB	NOR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9218101M2A	1(0)	54ACTQ02LMQB	NOR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9218201MCA	1	54ACTQ10DMQB	NAND GATE, TRIPLE 3-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9218201MDA	1	54ACTQ10FMQB	NAND GATE, TRIPLE 3-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9218201M2A	1	54ACTQ10LMQB	NAND GATE, TRIPLE 3-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9218301M2A	1(0)	54ACTQ14LMQB	HEX INVERTER, TTL-COMPATIBLE, SCHMITT TRIGGER INPUTS	NATIONAL
5962-9218301MCA	1(0)	54ACTQ14DMQB	HEX INVERTER, TTL-COMPATIBLE, SCHMITT TRIGGER INPUTS	NATIONAL
5962-9218301MDA	1(0)	54ACTQ14FMQB	HEX INVERTER, TTL-COMPATIBLE, SCHMITT TRIGGER INPUTS	NATIONAL
5962-9218401M2A	3	54ACTQ240LMQB	BUFFER/LINE DRIVER, OCTAL, WITH INVERTING 3-STATE OUTPUTS, TLL-COMPATIBLE INPUTS	NATIONAL
5962-9218401MRA	3	54ACTQ240DMQB	BUFFER/LINE DRIVER, OCTAL, WITH INVERTING 3-STATE OUTPUTS, TLL-COMPATIBLE INPUTS	NATIONAL
5962-9218401MSA	3	54ACTQ240FMQB	BUFFER/LINE DRIVER, OCTAL, WITH INVERTING 3-STATE OUTPUTS, TLL-COMPATIBLE INPUTS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9218601M2A	3	54ACTQ244LMQB	BUFFER/LINE DRIVER, OCTAL, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL
5962-9218601MSA	3	54ACTQ244FMQB	BUFFER/LINE DRIVER, OCTAL, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL
5962-9218601MRA	3	54ACTQ244DMQB	BUFFER/LINE DRIVER, OCTAL, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL
5962-9218701MRA	3	54ACTQ245DMQB	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
5962-9218701M2A	3	54ACTQ245LMQB	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
5962-9218701MSA	3	54ACTQ245FMQB	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
5962-9218801MSA	1(0)	54ACTQ373FMQB	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9218801M2A	1(0)	54ACTQ373LMQB	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9218801MRA	1(0)	54ACTQ373DMQB	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9219001MSA	1	54ACTQ377FMQB	FLIP-FLOP, D-TYPE, 8-BIT, W/CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9219001MRA	1	54ACTQ377DMQB	FLIP-FLOP, D-TYPE, 8-BIT, W/CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9219001M2A	1	54ACTQ377LMQB	FLIP-FLOP, D-TYPE, 8-BIT, W/CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9219401M2A		54ACTQ573LMQB	LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9219401MSA		54ACTQ573FMQB	LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9219401MRA		54ACTQ573DMQB	LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
5962-9219701MKA	2	54ACTQ657FMQB	TRANSCEIVER, 8-BIT BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER	NATIONAL
5962-9219701MLA	2	54ACTQ657SDMQB	TRANSCEIVER, 8-BIT BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER	NATIONAL
5962-9219701M3A	2	54ACTQ657LMQB	TRANSCEIVER, 8-BIT BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER	NATIONAL
5962-9220101MDA	3	54AC280FMQB	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
5962-9220101M2A	3	54AC280LMQB	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
5962-9220101MCA	3	54AC280DMQB	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
5962-9230601MYA	2	100336FMQB	COUNTER/SHIFT REGISTER, 4-STAGE	NATIONAL
5962-9230601MXA	2	100336DMQB	COUNTER/SHIFT REGISTER, 4-STAGE	NATIONAL
5962-9231701MXA	1(0)	DS1776J/883	BUS TRANSCEIVER, 8-BIT, PI-BUS	NATIONAL
5962-9231701M3A	1(0)	DS1776E/883	BUS TRANSCEIVER, 8-BIT, PI-BUS	NATIONAL
5962-9231801MPA	3	35164/BPAJC	SENSING CIRCUIT, UNDERVOLTAGE	MOTOROLA
5962-9231901MCA	1(0)	54LS136	EXCLUSIVE-OR GATE, QUAD	T.I.
5962-9231901MDA	1(0)	54LS136	EXCLUSIVE-OR GATE, QUAD	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9231901M2A	1(0)	54LS136	EXCLUSIVE-OR GATE, QUAD	T.I.
5962-9232701MYA	1	10E511/BYAJC	CLOCK DRIVER, 1-TO-9-DIFFERENTIAL	MOTOROLA
5962-9232702MYA	1	100E511/BYAJC	CLOCK DRIVER, 1-TO-9-DIFFERENTIAL, TEMPERATURE COMPENSATED	MOTOROLA
5962-9233601MEA	2	LP2953AMJ/883	VOLT. REGULATOR, ADJUSTABLE MICROPOWER LOW-DROPOUT	NATIONAL
5962-9234302MYA	1	100E516/BYAJC	LINE RECEIVER, QUINT DIFFERENTIAL, TEMPERATURE COMPENSATED	MOTOROLA
5962H92A0101QYX	1	1HK84	CONTROLLER, SERIAL COMMUNICATION	HONEYWELL
5962-92A0201QYX	1	1056A2	MICROCONTROLLER, COMMON	AT&T
5962-92A0301QYX	1	1056B2	ASIC, CONTROL BUS INTERFACE/FUNCTIONAL BUILT-IN TEST	AT&T
5962-92A0401QYX	1	1056C	INPUT/OUTPUT PORT, PARALLEL	AT&T
5962-92A0501QYX	1	1056D2	MEMORY CONTROLLER, BULK	AT&T
5962-92A0601QYX	1	1056E	OPERAND MEMORY	AT&T
5962-92A0701QYX	1	1056F	OPERAND MEMORY, DUAL MULTIPLEXER	AT&T
5962-92A0801QYX	1	1056G	CACHE/BUS CONTROLLER	AT&T
5962-92A0901QYX	1	1056H2	PROTEUS DIGITAL CHANNEL	AT&T
5962-92A1001QYX	1	1056J	ARITHMETIC UNIT, ISC	AT&T
5962-92A1101QYA	1	1056K	CHANNEL PROCESSOR INFORMATION, ASIC	AT&T
5962-92A1201QYA	1	1056L	ASIC, INPUT CONTROLLER	AT&T
5962-92A1301QYA	1	1056T	HIGH-SPEED CHANNEL, ASIC	AT&T
5962-92A1401QYA	1	1056S	MEMORY CONTROLLER, DUAL PORT	AT&T
5962-92A1501QYA	1	1056W	DMA CONTROLLER	AT&T
5962-92A1601QYA	1	1056U		AT&T
5962-92A1701QYX	1	1057A	SWITCH, ASIC	AT&T
5962-92A1801QYX	1	1057C	SEQUENCER, ASIC	AT&T
5962-92A1901QYX	1	1057D		AT&T
5962-92A2001QYA	1	1057E	MEMORY DATA INTERFACE/CU DATA INTERFACE	AT&T
5962-92A2101QYX	1	1057F	D/A CONVERTER, ISC	AT&T
5962-92A2201QYX	1	1057G	ADDRESS CONTROLLER	AT&T
5962-9300201MPA	1	LM612AMJ/883	COMPARATOR AND REFERENCE, DUAL-CHANNEL	NATIONAL
5962-9300701MXC		HSP48908GM-20/883	CONVOLVER, TWO-DIMENSIONAL	HARRIS
5962-9306001MXA	1	AD872SD/883B	A/D CONVERTER, 12-BIT, 10 MSPS	ANALOG DEVICES
5962-9306001MYA	1	AD872SE/883B		ANALOG DEVICES
5962-9306301MCA		HA1-5340/883	SAMPLE AND HOLD AMPLIFIER	HARRIS
5962-9306301M2A		HA4-5340/883	SAMPLE AND HOLD AMPLIFIER	HARRIS
5962-9309501MEA		HA1-2444/883	OP AMP, FOUR-CHANNEL, SELECTABLE VIDEO	HARRIS
5962-9309801MYA	1	10E416/BYAJC	BINARY COUNTER, 8-BIT SYNCHRONOUS UP	MOTOROLA
5962-9309802MYA	1	100E416/BYAJC	BINARY COUNTER, 8-BIT SYNCHRONOUS UP, TEMPERATURE	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			COMPENSATED	
5962-9309901MYA	1	10E501/BYAJC	OR/NOR GATE, QUAD 4-INPUT	MOTOROLA
5962-9309902MYA	1	100E501/BYAJC	OR/NOR GATE, QUAD 4-INPUT, TEMPERATURE-COMPENSATED	MOTOROLA
5962-9310001MYA	1	10E504/BYAJC	AND/NAND GATE, QUINT 2-INPUT	MOTOROLA
5962-9310002MYA	1	100E504/BYAJC	AND/NAND GATE, QUINT 2-INPUT, TEMPERATURE-COMPENSATED	MOTOROLA
5962-9310101MYA	1	10E507/BYAJC	EXCLUSIVE-OR/EXCLUSIVE-NOR GATE, QUINT 2-INPUT	MOTOROLA
5962-9310102MYA	1	100E507/BYAJC	EXCLUSIVE-OR/EXCLUSIVE-NOR GATE, QUINT 2-INPUT, TEMPERATURE-COMPENSATED	MOTOROLA
5962-9310201MYA	1	10E531/BYAJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
5962-9310202MYA	1	100E531/BYAJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
5962-9310401MYA	1	10E551/BYAJC	REGISTER, D-TYPE, 6-BIT	MOTOROLA
5962-9310402MYA	1	100E551/BYAJC	REGISTER, D-TYPE, 6-BIT, TEMPERATURE-COMPENSATED	MOTOROLA
5962-9310503MQA	1	MG80486DX2-50		INTEL
5962-9310504MQA	1	MG80486DX2-66		INTEL
5962-9311101M2A	1	10592M/B2AJC	LINE DRIVER, QUAD DIFFERENTIAL	MOTOROLA
5962-9311101MFA	1	10592/BFAJC	LINE DRIVER, QUAD DIFFERENTIAL	MOTOROLA
5962-9311101MEA	1	10592/BEAJC	LINE DRIVER, QUAD DIFFERENTIAL	MOTOROLA
5962-9311501MXA		SCAN18245TFMQB		NATIONAL
5962-9311601MXA		SCAN18541TFMQB		NATIONAL
5962-9311801MXA		SCAN18373TFMQB		NATIONAL
5962-9312601MXA	1	AD1671SQ/883B	A/D CONVERTER, 12-BIT	ANALOG DEVICES
5962-9312701MXA		SCAN18540TFMQB		NATIONAL
5962H9312801QXX	2	IBM2561C-Q60X	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
5962H9312801QYX	2	IBM2561C-Q60Y	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
5962H9312801VYX	2	IBM2561C-Q60Y	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
5962H9312801VXX	2	IBM2561C-V60X	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
5962H9312802VXX	2	IBM2561T-V60X	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
5962H9312802QXX	2	IBM2561T-Q60X	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
5962H9312802QYX	2	IBM2561T-Q60Y	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
5962H9312802VYX	2	IBM2561T-V60Y	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
5962H9312803VXX	2	IBM2561C-V40X	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
5962H9312803QXX	2	IBM2561C-Q40X	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
5962H9312803VYX	2	IBM2561C-V40Y	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
5962H9312803QYX	2	IBM2561C-Q40Y	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
5962H9312804VXX	2	IBM2561T-V40X	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
5962H9312804QYX	2	IBM2561T-Q40Y	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
5962H9312804QXX	2	IBM2561T-Q40X	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
5962H9312804VYX	2	IBM2561T-V40Y	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
5962-9312901MPA	2	AD829SQ/883B	OP AMP, VIDEO	ANALOG DEVICES
5962-9312901M2A	2	AD829SE/883B	OP AMP, VIDEO	ANALOG DEVICES
5962-9313001MPA	2	AD830SQ/883B	AMPLIFIER, VIDEO DIFFERENCE, HIGH-SPEED	ANALOG DEVICES
5962-9313101M2A	2	AD811SE/883B	OP AMP, VIDEO	ANALOG DEVICES
5962-9313101MPA	2	AD811SQ/883B	OP AMP, VIDEO	ANALOG DEVICES
5962-9313201MPA		AD810SQ/883B	OP AMP, VIDEO, WITH DISABLE	ANALOG DEVICES
5962-9313301MPA		AD797SQ/883B		ANALOG DEVICES
5962-9314101MXA	3	54ACT899DMQB	TRANSCEIVER, 9-BIT, WITH PARITY GENERATRO/CHECKER, 3-STATE OUTPUTS	NATIONAL
5962-9314101M3A	3	54ACT899LMQB	TRANSCEIVER, 9-BIT, WITH PARITY GENERATRO/CHECKER, 3-STATE OUTPUTS	NATIONAL
5962-9315001MXA	1	96002-33/BZAJC	PROCESSOR, FLOATING-POINT, 96-BIT, DUAL PORT	MOTOROLA
5962-9316401MXA	1	AS1674TD/883B	A/D CONVERTER, 12-BIT	ANALOG DEVICES
5962-9319901MXA	2(2)	54ABT6240		T.I.
5962-9320701MXA		SCAN18374TFMQB		NATIONAL
5962-9321001MCA	1	MM78C29J/883	LINE DRIVER, QUAD SINGLE-ENDED	NATIONAL
5962-9321101MCA	1	DS78C20J/883	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
5962-9321401MEA	1	AD688SQ/883B	VOLT. REFERENCE, ±10V, PRECISION	ANALOG DEVICES
5962-9325101MEA		HA1-2546/883	MULTIPLIER, 2-QUADRANT	HARRIS
5962-9325101M2A		HA4-2546/883	MULTIPLIER, 2-QUADRANT	HARRIS
5962R93A0101QYX	2	1HL08	GATE ARRAY, SEMICUSTOM	HONEYWELL
5962-9453401MPA		LMC6482AMJ/883		NATIONAL
5962-9453402MCA		LMC6484AMJ/883		NATIONAL
M38510/00101BDA	1(0)	JD5430BDA	NAND GATE, 8-INPUT	NATIONAL
M38510/00101BCA	1(0)	JD5430BCA	NAND GATE, 8-INPUT	NATIONAL
M38510/00102BCA	1(0)	JD5420BCA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/00102BDA	1(0)	JD5420BDA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/00103SDA	1(0)	JD5410SDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/00103BDA	1(0)	5410	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/00103BDA	1(0)	JD5410BDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/00103BCA	1(0)	JD5410BCA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/00103BCA	1(0)	5410	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/00104SCA	1(0)	JD5400SCA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/00104SDA	1(0)	JD5400SDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/00104BCA	1(0)	5400	NAND GATE, QUAD 2-INPUT	T.I.
M38510/00104BDA	1(0)	5400	NAND GATE, QUAD 2-INPUT	T.I.
M38510/00104BDA	1(0)	JD5400BDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/00104BCA	1(0)	JD5400BCA	NAND GATE, QUAD 2-INPUT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/00105BDA	1(0)	5404	HEX INVERTER	T.I.
M38510/00105SDA	1(0)	JD5404SDA	HEX INVERTER	NATIONAL
M38510/00105SCA	1(0)	JD5404SCA	HEX INVERTER	NATIONAL
M38510/00105BCA	1(0)	JD5404BCA	HEX INVERTER	NATIONAL
M38510/00105BCA	1(0)	5404	HEX INVERTER	T.I.
M38510/00105BDA	1(0)	JD5404BDA	HEX INVERTER	NATIONAL
M38510/00107BCA	1(0)	JD5401BCA	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00107BDA	1(0)	JD5401BDA	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00108BCA	1(0)	5405	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/00109BCA	2(2)	5403	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/00109BCA	1(0)	JD5403BCA	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00203BCA	1(0)	54107	FLIP-FLOP, JK, DUAL	T.I.
M38510/00205BDA	1(0)	5474	FLIP-FLOP, D-TYPE, DUAL	T.I.
M38510/00205BCA	1(0)	JD5474BCA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/00205BDA	1(0)	JD5474BDA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/00205BCA	1(0)	5474	FLIP-FLOP, D-TYPE, DUAL	T.I.
M38510/00301BDA	1(0)	JD5440BDA	BUFFER/DRIVER, NAND, DUAL 4-INPUT	NATIONAL
M38510/00301BCA	1(0)	JD5440BCA	BUFFER/DRIVER, NAND, DUAL 4-INPUT	NATIONAL
M38510/00302BDA	1(0)	JD5437BDA	BUFFER/DRIVER, NAND, QUAD 2-INPUT	NATIONAL
M38510/00302BCA	1(0)	JD5437BCA	BUFFER/DRIVER, NAND, QUAD 2-INPUT	NATIONAL
M38510/00303BDA	1(0)	JD5438BDA	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00303BCA	1(0)	JD5438BCA	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00303BDA	1(0)	5438	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/00303SDA	1(0)	JD5438SDA	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00303BCA	1(0)	5438	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/00303SCA	1(0)	JD5438SCA	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00401BDA	1(0)	5402	NOR GATE, QUAD 2-INPUT	T.I.
M38510/00401SDA	1(0)	JD5402SDA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/00401BCA	1(0)	5402	NOR GATE, QUAD 2-INPUT	T.I.
M38510/00401BCA	1(0)	JD5402BCA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/00401BDA	1(0)	JD5402BDA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/00401SCA	1(0)	JD5402SCA	NOR GATE, QUAD 2-INPUT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/00403BCA	2(2)	5425	NOR GATE, DUAL 4-INPUT, W/STROBE	T.I.
M38510/00404BCA	1(0)	5427	NOR GATE, TRIPLE 3-INPUT	T.I.
M38510/00501BCA	1(0)	5450	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	T.I.
M38510/00502BCA	1(0)	5451	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
M38510/00503BCA	1(0)	5453	AND-OR-INVERT GATE. 4-WIDE 2-INPUT	T.I.
M38510/00602BEA	1(0)	JD5483BEA	ADDER, 4-BIT	NATIONAL
M38510/00602BFA	1(0)	JD5483BFA	ADDER, 4-BIT	NATIONAL
M38510/00701BDA	1(0)	JD5486BDA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/00701BCA	1(0)	JD5486BCA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/00801BCA	2(2)	5406	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/00801SCA	1(0)	JD5406SCA	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00801BDA	1(0)	JD5406BDA	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00801BCA	1(0)	JD5406BCA	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00801SDA	1(0)	JD5406SDA	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00801DDA	2(2)	5406	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/00802BCA	1(0)	JD5416BCA	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00802BDA	1(0)	JD5416BDA	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00803BDA	2(2)	5407	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/00803BCA	2(2)	5407	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/00803SCA	1(0)	JD5407SCA	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00803BDA	1(0)	JD5407BDA	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00803BCA	1(0)	JD5407BCA	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00803SDA	1(0)	JD5407SDA	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00804BDA	1(0)	JD5417BDA	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00804BCA	1(0)	JD5417BCA	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/00805BCA	1(0)	JD5426BCA	BUFFER/DRIVER, QUAD 2-INPUT, INVERTING	NATIONAL
M38510/00805BDA	1(0)	JD5426BDA	BUFFER/DRIVER, QUAD 2-INPUT, INVERTING	NATIONAL
M38510/00901BDA	1(0)	JD5495BDA	SHIFT REGISTER, 4-BIT	NATIONAL
M38510/00901BCA	1(0)	JD5495BCA	SHIFT REGISTER, 4-BIT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/00903BCA	1(0)	54164	SHIFT REGISTER, 8-BIT PARALLEL-OUT	T.I.
M38510/00905BEA	1(0)	JD54194BEA	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
M38510/01001BFA	1(0)	JD5442BFA	DECODER, BCD-TO-DECIMAL	NATIONAL
M38510/01001BEA	1(0)	JD5442BEA	DECODER, BCD-TO-DECIMAL	NATIONAL
M38510/01007BEA	1(0)	JD5447BEA	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/01201BCA	1(0)	JD54121BCA	MULTIVIBRATOR, MONOSTABLE	NATIONAL
M38510/01201BDA	1(0)	JD54121BDA	MULTIVIBRATOR, MONOSTABLE	NATIONAL
M38510/01203BEA	1(0)	54123	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE	T.I.
M38510/01204BDA	1(0)	JD9601BDA	MULTIVIBRATOR, ONE-SHOT	NATIONAL
M38510/01204BCA	1(0)	JD9601BCA	MULTIVIBRATOR, ONE-SHOT	NATIONAL
M38510/01205BEA	1(0)	JD9602BEA	MULTIVIBRATOR, DUAL ONE-SHOT	NATIONAL
M38510/01205BFA	1(0)	JD9602BFA	MULTIVIBRATOR, DUAL ONE-SHOT	NATIONAL
M38510/01303BFA	1(0)	JD54160BFA	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
M38510/01303BEA	1(0)	JD54160BEA	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
M38510/01306BFA	2(2)	54161	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
M38510/01306BEA	1(0)	JD54161BEA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/01306SEA	1(0)	JD54161SEA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/01306BEA	2(2)	54161	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
M38510/01309BEA	1(0)	54193	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
M38510/01403BEA	1(0)	JD54153BEA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/01403BFA	1(0)	JD54153BFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/01404BEA	1(0)	JD9309BFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/01404BFA	1(0)	JD9309BFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/01405BFA	1(0)	JD9322BFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/01405BEA	1(0)	JD9322BEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/01406BEA	1(0)	JD54151BEA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/01406BFA	1(0)	JD54151BFA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/01601BCA	1(0)	JD5408BCA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/01601BDA	1(0)	JD5408BDA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/01602BCA	1(0)	JD5409BCA	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/01602BDA	1(0)	JD5409BDA	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/01701BEA	1(0)	54174	FLIP-FLOP, D-TYPE, HEX	T.I.
M38510/01701BFA	1(0)	JD54174BFA	FLIP-FLOP, D-TYPE, HEX	NATIONAL
M38510/01701BEA	1(0)	JD54174BEA	FLIP-FLOP, D-TYPE, HEX	NATIONAL
M38510/01701BFA	1(0)	54174	FLIP-FLOP, D-TYPE, HEX	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/01702BFA	2(2)	54175	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
M38510/01702BFA	1(0)	JD54175BFA	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
M38510/01702BEA	1(0)	JD54175BEA	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
M38510/01702BEA	2(2)	54175	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
M38510/01901BDA	1(0)	JD54180BDA	PARITY GENERATOR/CHECKER, 8-BIT	NATIONAL
M38510/01901BCA	1(0)	JD54180BCA	PARITY GENERATOR/CHECKER, 8-BIT	NATIONAL
M38510/02003SCA	1(0)	JD54L10SCA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/02003SDA	1(0)	JD54L10SDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/02003BCA	1(0)	JD54L10BCA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/02003BDA	1(0)	JD54L10BDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/02004BDA	1(0)	JD54L00BDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/02004BCA	1(0)	JD54L00BCA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/02004SDA	1(0)	JD54L00SDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/02004SCA	1(0)	JD54L00SCA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/02005BDA	1(0)	JD54L04BDA	HEX INVERTER	NATIONAL
M38510/02005SDA	1(0)	JD54L04SDA	HEX INVERTER	NATIONAL
M38510/02005BCA	1(0)	JD54L04BCA	HEX INVERTER	NATIONAL
M38510/02005SCA	1(0)	JD54L04SCA	HEX INVERTER	NATIONAL
M38510/02103BCA	1(0)	JD54L73BCA	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/02103SDA	1(0)	JD54L73SDA	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/02103BDA	1(0)	JD54L73BDA	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/02103SCA	1(0)	JD54L73SCA	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/02105SCA	1(0)	JD54L74SCA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/02105SDA	1(0)	JD54L74SDA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/02105BCA	1(0)	JD54L74BCA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/02105BDA	1(0)	JD54L74BDA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/02502SDA	1(0)	JD54L93SDA	BINARY COUNTER, 4-BIT	NATIONAL
M38510/02502BCA	1(0)	JD54L93BCA	BINARY COUNTER, 4-BIT	NATIONAL
M38510/02502SCA	1(0)	JD54L93SCA	BINARY COUNTER, 4-BIT	NATIONAL
M38510/02502BDA	1(0)	JD54L93BDA	BINARY COUNTER, 4-BIT	NATIONAL
M38510/02601SCA	1(0)	JD54L86SCA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/02601SDA	1(0)	JD54L86SDA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/02701SDA	1(0)	JD54L02SDA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/02701BDA	1(0)	JD54L02BDA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/02701BCA	1(0)	JD54L02BCA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/02701SCA	1(0)	JD54L02SCA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/02801SCA	1(0)	JD54L95SCA	REGISTER, 4-BIT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/02801BCA	1(0)	JD54L95BCA	REGISTER, 4-BIT	NATIONAL
M38510/02801SDA	1(0)	JD54L95SDA	REGISTER, 4-BIT	NATIONAL
M38510/02801BDA	1(0)	JD54L95BDA	REGISTER, 4-BIT	NATIONAL
M38510/03001BCA	1(0)	JD9930BCA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/03001BDA	1(0)	JD9930BDA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/03003BCA	1(0)	JD9936BCA	HEX INVERTER	NATIONAL
M38510/03003BDA	1(0)	JD9936BDA	HEX INVERTER	NATIONAL
M38510/03004BDA	1(0)	JD9946BDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/03004BCA	1(0)	JD9946BCA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/03005BCA	1(0)	JD9962BCA	NAND GATE. TRIPLE 3-INPUT	NATIONAL
M38510/03005BDA	1(0)	JD9962BDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/05001BCA	1(.4)	CD4011AFB	NAND GATE, QUAD 2-INPUT	HARRIS
M38510/05001BDA	1(0)	JM4011ABDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/05001BCA	1(0)	JM4011ABCA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/05002BCA	1(0)	JM4012ABCA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/05002BDA	1(0)	JM4012ABDA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/05003BCA	1(.5)	CD4023AFB	NAND GATE, TRIPLE 3-INPUT	HARRIS
M38510/05003BDA	1(0)	JM4023ABDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/05003BCA	1(0)	JM4023ABCA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/05051BCA	1(.5)	CD4011BFB	NAND GATE, QUAD 2-INPUT	HARRIS
M38510R05051BCA	1(.5)	CD4011BFBR	NAND GATE, QUAD 2-INPUT	HARRIS
M38510H05051BTC	1(.5)	CD4011BQBH	NAND GATE, QUAD 2-INPUT	HARRIS
M38510H05051BCA	1(.5)	CD4011BFBH	NAND GATE, QUAD 2-INPUT	HARRIS
M38510R05053STC	1(.5)	CD4023BQSR	NAND GATE, TRIPLE 3-INPUT	HARRIS
M38510/05101BDA	1(0)	JM4013ABDA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/05101BCA	1(1)	CD4013AFB	FLIP-FLOP, D-TYPE, DUAL	HARRIS
M38510/05101BCA	1(0)	JM4013ABCA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/05102BFA	1(0)	JM4027ABFA	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/05102BEA	1(.5)	CD4027AFB	FLIP-FLOP, JK, DUAL	HARRIS
M38510/05102BEA	1(0)	JM4027ABEA	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/05151BCA	1(1)	CD4013BFB	FLIP-FLOP, D-TYPE, DUAL	HARRIS
M38510/05151BCA	1(0)	JM4013BBCA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510R05151SCA	1(1)	CD4013BFSR	FLIP-FLOP, D-TYPE, DUAL	HARRIS
M38510R05151STC	1(1)	CD4013BQSR	FLIP-FLOP, D-TYPE, DUAL	HARRIS
M38510H05151STC	1(1)	CD4013BQSH	FLIP-FLOP, D-TYPE, DUAL	HARRIS
M38510/05151BDA	1(0)	JM4013BBDA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510R05151BCA	1(1)	CD4013BFBR	FLIP-FLOP, D-TYPE, DUAL	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510H05152SNC	1(1)	CD4027BQSH	FLIP-FLOP, JK, DUAL	HARRIS
M38510R05152SEA	1(1)	CD4027BFSR	FLIP-FLOP, JK, DUAL	HARRIS
M38510H05152SEA	1(1)	CD4027BFSH	FLIP-FLOP, JK, DUAL	HARRIS
M38510H05152BEA	1(1)	CD4027BFBH	FLIP-FLOP, JK, DUAL	HARRIS
M38510R05152BEA	1(1)	CD4027BFBR	FLIP-FLOP, JK, DUAL	HARRIS
M38510/05152BEA	1(1)	CD4027BFB	FLIP-FLOP, JK, DUAL	HARRIS
M38510H05152BNC	1(1)	CD4027BQBH	FLIP-FLOP, JK, DUAL	HARRIS
M38510R05152BNC	1(1)	CD4027BQBR	FLIP-FLOP, JK, DUAL	HARRIS
M38510R05152SNC	1(1)	CD4027BQSR	FLIP-FLOP, JK, DUAL	HARRIS
M38510/05201BCA	1(.5)	CD4000AFB	NOR GATE, DUAL 3-INPUT	HARRIS
M38510/05202BCA	1(1)	CD4001AFB	NOR GATE, QUAD 2-INPUT	HARRIS
M38510/05202BDA	1(0)	JM4001ABDA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/05202BCA	1(0)	JM4001ABCA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/05203BDA	2(3)	JM4002ABDA	NOR GATE, DUAL 4-INPUT	NATIONAL
M38510/05203BCA	2(3)	JN4002ABCA	NOR GATE, DUAL 4-INPUT	NATIONAL
M38510/05204BDA	1(0)	JM4025ABDA	NOR GATE, TRIPLE 3-INPUT	NATIONAL
M38510/05204BCA	1(0)	JM4025ABCA	NOR GATE, TRIPLE 3-INPUT	NATIONAL
M38510/05204BCA	1(.5)	CD4025AFB	NOR GATE, TRIPLE 3-INPUT	HARRIS
M38510R05252STC	1(.5)	CD4001BQSR	NOR GATE, QUAD 2-INPUT	HARRIS
M38510H05252STC	1(.5)	CD4001BQSH	NOR GATE, QUAD 2-INPUT	HARRIS
M38510R05252SCA	1(.5)	CD4001BFSR	NOR GATE, QUAD 2-INPUT	HARRIS
M38510H05252BTC	1(.5)	CD4001BQBH	NOR GATE, QUAD 2-INPUT	HARRIS
M38510H05252SCA	1(.5)	CD4001BFSH	NOR GATE, QUAD 2-INPUT	HARRIS
M38510R05252BTC	1(.5)	CD4001BQBR	NOR GATE, QUAD 2-INPUT	HARRIS
M38510R05252BCA	1(.5)	CD4001BFBR	NOR GATE, QUAD 2-INPUT	HARRIS
M38510H05252BCA	1(.5)	CD4001BFBH	NOR GATE, QUAD 2-INPUT	HARRIS
M38510/05252BCA	1(.5)	CD4001BFB	NOR GATE, QUAD 2-INPUT	HARRIS
M38510/05252BCA	1(0)	JM4001BBCA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/05252BDA	1(0)	JM4001BBDA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510R05253STC	1(.5)	CD4002BQSR	NOR GATE, DUAL 4-INPUT	HARRIS
M38510H05253SCA	1(.5)	CD4002BFSH	NOR GATE, DUAL 4-INPUT	HARRIS
M38510R05253BCA	1(.5)	CD4002BFBR	NOR GATE, DUAL 4-INPUT	HARRIS
M38510H05253BTC	1(.5)	CD4002BQBH	NOR GATE, DUAL 4-INPUT	HARRIS
M38510R05253SCA	1(.5)	CD4002BFSR	NOR GATE, DUAL 4-INPUT	HARRIS
M38510R05253BTC	1(.5)	CD4002BQBR	NOR GATE, DUAL 4-INPUT	HARRIS
M38510H05253BCA	1(.5)	CD4002BFBH	NOR GATE, DUAL 4-INPUT	HARRIS
M38510H05253STC	1(.5)	CD4002BQSH	NOR GATE, DUAL 4-INPUT	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510R05254BCA	1(.5)	CD4025BFBR	NOR GATE, TRIPLE 3-INPUT	HARRIS
M38510R05254BT	1(.5)	CD4025BQBR	NOR GATE, TRIPLE 3-INPUT	HARRIS
M38510H05254BTC	1(.5)	CD4025BQBH	NOR GATE, TRIPLE 3-INPUT	HARRIS
M38510H05254BCA	1(.5)	CD4025BFBH	NOR GATE, TRIPLE 3-INPUT	HARRIS
M38510H05254STC	1(.5)	CD4025BQSH	NOR GATE, TRIPLE 3-INPUT	HARRIS
M38510/05254BDA	1(0)	JM4025BBDA	NOR GATE, TRIPLE 3-INPUT	NATIONAL
M38510H05254SCA	1(.5)	CD4025BFSH	NOR GATE, TRIPLE 3-INPUT	HARRIS
M38510/05254BCA	1(.5)	CD4025BFB	NOR GATE, TRIPLE 3-INPUT	HARRIS
M38510/05254BCA	1(0)	JM4025BBCA	NOR GATE, TRIPLE 3-INPUT	NATIONAL
M38510R05254STC	1(.5)	CD4025BQSR	NOR GATE, TRIPLE 3-INPUT	HARRIS
M38510R05254SCA	1(.5)	CD4025BFSR	NOR GATE, TRIPLE 3-INPUT	HARRIS
M38510/05301BDA	1(0)	JM4007ABDA	COMPLIMENTARY PAIR, DUAL	NATIONAL
M38510/05301BCA	1(.5)	CD4007AFB	COMPLIMENTARY PAIR, DUAL	HARRIS
M38510/05301BCA	1(0)	JM4007ABCA	COMPLIMENTARY PAIR, DUAL	NATIONAL
M38510/05302BEA	1(.5)	CD4019AFB	AND/OR SELECT GATE, QUAD	HARRIS
M38510/05302BEA	1(0)	JM4019ABEA	AND/OR SELECT GATE, QUAD	NATIONAL
M38510/05302BFA	1(0)	JM4019ABFA	AND/OR SELECT GATE, QUAD	NATIONAL
M38510/05303BCA	2(3)	JM4030ABCA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/05303BDA	2(3)	JM4030ABDA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510R05351BCA	1(.5)	CD4007UBFBR	COMPLIMENTARY PAIR, DUAL	HARRIS
M38510R05351SCA	1(.5)	CD4007UBFSR	COMPLIMENTARY PAIR, DUAL	HARRIS
M38510H05351BTC	1(.5)	CD4007UBQBH	COMPLIMENTARY PAIR, DUAL	HARRIS
M38510R05351STC	1(.5)	CD4007UBQSR	COMPLIMENTARY PAIR, DUAL	HARRIS
M38510H05351STC	1(.5)	CD4007UBQSH	COMPLIMENTARY PAIR, DUAL	HARRIS
M38510R05351BTC	1(.5)	CD4007UBQBR	COMPLIMENTARY PAIR, DUAL	HARRIS
M38510H05351SC	1(.5)	CD4007UBFSH	COMPLIMENTARY PAIR, DUAL	HARRIS
M38510H05351BCA	1(.5)	CD4007UBFBH	COMPLIMENTARY PAIR, DUAL	HARRIS
M38510H05352SNC	1(1)	CD4019BQSH	AND/OR SELECT GATE, QUAD	HARRIS
M38510/05352BFA	3(4)	JM4019BBFA	AND/OR SELECT GATE, QUAD	NATIONAL
M38510R05352BEA	1(1)	CD4019BFBR	AND/OR SELECT GATE, QUAD	HARRIS
M38510/05352BEA	1(1)	CD4019BFB	AND/OR SELECT GATE, QUAD	HARRIS
M38510R05352SNC	1(1)	CD4019BQSR	AND/OR SELECT GATE, QUAD	HARRIS
M38510/05352BEA	1(0)	JM4019BBEA	AND/OR SELECT GATE, QUAD	NATIONAL
M38510R05352SEA	1(1)	CD4019BFSR	AND/OR SELECT GATE, QUAD	HARRIS
M38510R05352BNC	1(1)	CD4019BQBR	AND/OR SELECT GATE, QUAD	HARRIS
M38510H05352BNC	1(1)	CD4019BQBH	AND/OR SELECT GATE, QUAD	HARRIS
M38510H05352SFA	1(1)	CD4019BFSH	AND/OR SELECT GATE, QUAD	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510H05352BEA	1(1)	CD4019BFBH	AND/OR SELECT GATE, QUAD	HARRIS
M38510H05353BTC	1(1)	CD4030BQBH	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
M38510H05353SCA	1(1)	CD4030BFSH	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
M38510R05353SCA	1(1)	CD4030BFSR	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
M38510R05353STC	1(1)	CD4030BQSR	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
M38510H05353STC	1(1)	CD4030BQSH	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
M38510R05353BCA	1(1)	CD4030BFBR	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
M38510H05353BCA	1(1)	CD4030BFBH	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
M38510/05353BCA	1(1)	CD4030BFB	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
M38510R05353BTC	1(1)	CD4030BQBR	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
M38510R05451SNC	1(1.5)	CD4008BQSR	ADDER, 4-BIT FULL	HARRIS
M38510R05451BNC	1(1.5)	CD4008BQBR	ADDER, 4-BIT FULL	HARRIS
M38510R05451BEA	1(1.5)	CD4008BFBR	ADDER, 4-BIT FULL	HARRIS
M38510R05451SEA	1(1.5)	CD4008BFSR	ADDER, 4-BIT FULL	HARRIS
M38510/05503BEA	1(.5)	CD4049AFB	HEX INVERTER BUFFER	HARRIS
M38510/05503BEA	1(0)	JM4049ABEA	HEX INVERTER BUFFER	NATIONAL
M38510/05503BFA	1(0)	JM4049ABFA	HEX INVERTER BUFFER	NATIONAL
M38510/05504BEA	1(.5)	CD4050AFB	HEX BUFFER, NONINVERTING	HARRIS
M38510/05504BEA	1(0)	JM4050ABEA	HEX BUFFER, NONINVERTING	NATIONAL
M38510/05504BFA	1(0)	JM4050ABFA	HEX BUFFER, NONINVERTING	NATIONAL
M38510H05553SNC	1(1)	CD4049UBQSH	HEX INVERTER BUFFER	HARRIS
M38510H05553BNC	1(1)	CD4049UBQBH	HEX INVERTER BUFFER	HARRIS
M38510H05553SEA	1(1)	CD4049UBFSH	HEX INVERTER BUFFER	HARRIS
M38510/05553BEA	1(1)	CD4049UBFB	HEX INVERTER BUFFER	HARRIS
M38510H05553BEA	1(1)	CD4049UBFBH	HEX INVERTER BUFFER	HARRIS
M38510R05553BEA	1(1)	CD4049UBFBR	HEX INVERTER BUFFER	HARRIS
M38510R05553SNC	1(1)	CD4049UBQSR	HEX INVERTER BUFFER	HARRIS
M38510R05553BNC	1(1)	CD4049UBQBR	HEX INVERTER BUFFER	HARRIS
M38510R05553SEA	1(1)	CD4049UBFSR	HEX INVERTER BUFFER	HARRIS
M38510H05554BNC	1(1)	CD4050BQBH	HEX BUFFER, NONINVERTING	HARRIS
M38510R05554SNC	1(1)	CD4050BQSR	HEX BUFFER, NONINVERTING	HARRIS
M38510/05554BEA	1(1)	CD4050BFB	HEX BUFFER, NONINVERTING	HARRIS
M38510R05554SEA	1(1)	CD4050BFSR	HEX BUFFER, NONINVERTING	HARRIS
M38510H05554SNC	1(1)	CD4050BQSH	HEX BUFFER, NONINVERTING	HARRIS
M38510R05554BNC	1(1)	CD4050BQBR	HEX BUFFER, NONINVERTING	HARRIS
M38510R05554BEA	1(1)	CD4050BFBR	HEX BUFFER, NONINVERTING	HARRIS
M38510H05554SEA	1(1)	CD4050BFSH	HEX BUFFER, NONINVERTING	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510H05554BEA	1(1)	CD4050BFBH	HEX BUFFER, NONINVERTING	HARRIS
M38510/05554BEA	1(0)	JM4050BBEA	HEX BUFFER, NONINVERTING	NATIONAL
M38510/05554BFA	1(0)	JM4050BBFA	HEX BUFFER, NONINVERTING	NATIONAL
M38510R05555STC	1(1)	CD4041UBQSR	TRUE/COMPLIMENT BUFFER, QUAD	HARRIS
M38510R05555BCA	1(1)	CD4041UBFBR	TRUE/COMPLIMENT BUFFER, QUAD	HARRIS
M38510R05555BTC	1(1)	CD4041UBQBR	TRUE/COMPLIMENT BUFFER, QUAD	HARRIS
M38510R05555SCA	1(1)	CD4041UBFSR	TRUE/COMPLIMENT BUFFER, QUAD	HARRIS
M38510/05601BEA	1(0)	JM4017ABEA	DECADE COUNTER	NATIONAL
M38510/05601BFA	3(4)	JM4017ABFA	DECADE COUNTER	NATIONAL
M38510/05601BEA	1(1.5)	CD4017AFB	DECADE COUNTER	HARRIS
M38510/05602BEA	1(0)	JM4018ABEA	COUNTER, DIVIDE-BY-N	NATIONAL
M38510/05602BFA	2(2)	JM4018ABFA	COUNTER, DIVIDE-BY-N	NATIONAL
M38510/05603BEA	1(0)	JM4020ABEA	BINARY COUNTER, 14-STAGE	NATIONAL
M38510/05603BEA	1(.4)	CD4020AFB	BINARY COUNTER, 14-STAGE	HARRIS
M38510/05603BFA	1(1)	JM4020ABFA	BINARY COUNTER, 14-STAGE	NATIONAL
M38510/05604BFA	1(0)	JM4022ABFA	COUNTER, DIVIDE-BY-8	NATIONAL
M38510/05604BEA	1(0)	JM4022ABEA	COUNTER, DIVIDE-BY-8	NATIONAL
M38510/05605BCA	1(1.5)	CD4024AFB	BINARY COUNTER, 7-STAGE	HARRIS
M38510R05651BEA	1(1.5)	CD4017BFBR	DECADE COUNTER	HARRIS
M38510R05651SNC	1(1.5)	CD4017BQSR	DECADE COUNTER	HARRIS
M38510R05651SEA	1(1.5)	CD4017BFSR	DECADE COUNTER	HARRIS
M38510R05651BNC	1(1.5)	CD4017BQBR	DECADE COUNTER	HARRIS
M38510H05651BEA	1(1.5)	CD4017BFBH	DECADE COUNTER	HARRIS
M38510H05651SNC	1(1.5)	CD4017BQSH	DECADE COUNTER	HARRIS
M38510H05651BNC	1(1.5)	CD4017BQBH	DECADE COUNTER	HARRIS
M38510H05651SEA	1(1.5)	CD4017BFSH	DECADE COUNTER	HARRIS
M38510/05651BEA	1(1.5)	CD4017BFB	DECADE COUNTER	HARRIS
M38510R05652SNC	1(1.5)	CD4018BQSR	COUNTER, DIVIDE-BY-N	HARRIS
M38510H05652SNC	1(1.5)	CD4018BQSH	COUNTER, DIVIDE-BY-N	HARRIS
M38510H05652SEA	1(1.5)	CD4018BFSH	COUNTER, DIVIDE-BY-N	HARRIS
M38510/05652BFA	2(2)	JM4018BBFA	COUNTER, DIVIDE-BY-N	NATIONAL
M38510/05652BEA	1(0)	JM4018BBEA	COUNTER, DIVIDE-BY-N	NATIONAL
M38510R05652BEA	1(1.5)	CD4018BFBR	COUNTER, DIVIDE-BY-N	HARRIS
M38510H05652BNC	1(1.5)	CD4018BQBH	COUNTER, DIVIDE-BY-N	HARRIS
M38510H05652BEA	1(1.5)	CD4018BFBH	COUNTER, DIVIDE-BY-N	HARRIS
M38510/05652BEA	1(1.5)	CD4018BFB	COUNTER, DIVIDE-BY-N	HARRIS
M38510R05652BNC	1(1.5)	CD4018BQBR	COUNTER, DIVIDE-BY-N	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510R05652SEA	1(1.5)	CD4018BFSR	COUNTER, DIVIDE-BY-N	HARRIS
M38510H05653SEA	1(1.5)	CD4020BFSH	BINARY COUNTER, 14-STAGE	HARRIS
M38510R05653BEA	1(1.5)	CD4020BFBR	BINARY COUNTER, 14-STAGE	HARRIS
M38510R05653BNC	1(1.5)	CD4020BQBR	BINARY COUNTER, 14-STAGE	HARRIS
M38510H05653BNC	1(1.5)	CD4020BQBH	BINARY COUNTER, 14-STAGE	HARRIS
M38510R05653SEA	1(1.5)	CD4020BFSR	BINARY COUNTER, 14-STAGE	HARRIS
M38510/05653BEA	1(1.5)	CD4020BFB	BINARY COUNTER, 14-STAGE	HARRIS
M38510H05653SNC	1(1.5)	CD4020BQSH	BINARY COUNTER, 14-STAGE	HARRIS
M38510H05653BEA	1(1.5)	CD4020BFBH	BINARY COUNTER, 14-STAGE	HARRIS
M38510R05653SNC	1(1.5)	CD4020BQSR	BINARY COUNTER, 14-STAGE	HARRIS
M38510R05654SEA	1(1.5)	CD4022BFSR	COUNTER, DIVIDE-BY-8	HARRIS
M38510H05654SNC	1(1.5)	CD4022BQSH	COUNTER, DIVIDE-BY-8	HARRIS
M38510R05654SNC	1(1.5)	CD4022BQSR	COUNTER, DIVIDE-BY-8	HARRIS
M38510R05654BEA	1(1.5)	CD4022BFBR	COUNTER, DIVIDE-BY-8	HARRIS
M38510H05654BEA	1(1.5)	CD4022BFBH	COUNTER, DIVIDE-BY-8	HARRIS
M38510R05654BNC	1(1.5)	CD4022BQBR	COUNTER, DIVIDE-BY-8	HARRIS
M38510H05654SEA	1(1.5)	CD4022BFSH	COUNTER, DIVIDE-BY-8	HARRIS
M38510H05654BNC	1(1.5)	CD4022BQBH	COUNTER, DIVIDE-BY-8	HARRIS
M38510R05655BCA	1(1.5)	CD4024BFBR	BINARY COUNTER, 7-STAGE	HARRIS
M38510H05655STC	1(1.5)	CD4024BQSH	BINARY COUNTER, 7-STAGE	HARRIS
M38510H05655SCA	1(1.5)	CD4024BFSH	BINARY COUNTER, 7-STAGE	HARRIS
M38510R05655BTC	1(1.5)	CD4024BQBR	BINARY COUNTER, 7-STAGE	HARRIS
M38510H05655BCA	1(1.5)	CD4024BFBH	BINARY COUNTER, 7-STAGE	HARRIS
M38510R05655STC	1(1.5)	CD4024BQSR	BINARY COUNTER, 7-STAGE	HARRIS
M38510H05655BTC	1(1.5)	CD4024BQBH	BINARY COUNTER, 7-STAGE	HARRIS
M38510/05655BCA	1(1.5)	CD4024BFB	BINARY COUNTER, 7-STAGE	HARRIS
M38510R05655SCA	1(1.5)	CD4024BFSR	BINARY COUNTER, 7-STAGE	HARRIS
M38510/05701BDA	1(0)	JM4006ABDA	SHIFT REGISTER, DUAL 4-STAGE/5-STAGE	NATIONAL
M38510/05701BCA	1(0)	JM4006ABCA	SHIFT REGISTER, DUAL 4-STAGE/5-STAGE	NATIONAL
M38510/05702BEA	1(0)	JM4014ABEA	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	NATIONAL
M38510/05702BFA	1(1)	JM4014ABFA	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	NATIONAL
M38510/05703BFA	1(0)	JM4015ABFA	SHIFT REGISTER, DUAL 4-STAGE	NATIONAL
M38510/05703BEA	1(0)	JM4015ABEA	SHIFT REGISTER, DUAL 4-STAGE	NATIONAL
M38510/05704BFA	1(0.5)	JM4021ABFA	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	NATIONAL
M38510/05704BEA	1(0)	JM4021ABEA	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	NATIONAL
M38510H05752SNC	1(1.5)	CD4014BQSH	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
M38510R05752SEA	1(1.5)	CD4014BFSR	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510R05752BNC	1(1.5)	CD4014BQBR	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
M38510R05752SNC	1(1.5)	CD4014BQSR	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
M38510H05752SEA	1(1.5)	CD4014BFSH	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
M38510H05752BEA	1(1.5)	CD4014BFBH	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
M38510R05752BEA	1(1.5)	CD4014BFBR	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
M38510H05752BNC	1(1.5)	CD4014BQBH	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
M38510H05753SNC	1(1.5)	CD4015BQSH	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
M38510R05753BEA	1(1.5)	CD4015BFBR	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
M38510R05753SNC	1(1.5)	CD4015BQSR	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
M38510H05753BNC	1(1.5)	CD4015BQBH	SHIFT REGISTER. DUAL 4-STAGE	HARRIS
M38510H05753BEA	1(1.5)	CD4015BFBH	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
M38510H05753SEA	1(1.5)	CD4015BFSH	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
M38510R05753SEA	1(1.5)	CD4015BFSR	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
M38510R05753BNC	1(1.5)	CD4015BQBR	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
M38510H05754BEA	1(1.5)	CD4021BFBH	SHIFT REGISTER, STATIC	HARRIS
M38510R05754BEA	1(1.5)	CD4021BFBR	SHIFT REGISTER, STATIC	HARRIS
M38510/05754BEA	1(1.5)	CD4021BFB	SHIFT REGISTER, STATIC	HARRIS
M38510H05754SEA	1(1.5)	CD4021BFSH	SHIFT REGISTER, STATIC	HARRIS
M38510H05754SNC	1(1.5)	CD4021BQSH	SHIFT REGISTER, STATIC	HARRIS
M38510H05754BNC	1(1.5)	CD4021BQBH	SHIFT REGISTER, STATIC	HARRIS
M38510R05754SNC	1(1.5)	CD4021BQSR	SHIFT REGISTER, STATIC	HARRIS
M38510R05754BNC	1(1.5)	CD4021BQBR	SHIFT REGISTER, STATIC	HARRIS
M38510R05754SEA	1(1.5)	CD4021BFSR	SHIFT REGISTER, STATIC	HARRIS
M38510H05852STC	1(.5)	CD4066BQSH	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
M38510/05852BCA	1(.5)	CD4066BFB	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
M38510H05852BTC	1(.5)	CD4066BQBH	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
M38510H05852SCA	1(.5)	CD4066BFSH	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
M38510R05852BTC	1(.5)	CD4066BQBR	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
M38510R05852BCA	1(.5)	CD4066BFBR	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
M38510H05852BCA	1(.5)	CD4066BFBH	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
M38510R05852STC	1(.5)	CD4066BQSR	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
M38510R05852SCA	1(.5)	CD4066BFSR	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
M38510R05951BNC	1(1.5)	CD4028BQBR	DECODER, BCD-TO-DECIMAL	HARRIS
M38510R05951BEA	1(1.5)	CD4028BFBR	DECODER, BCD-TO-DECIMAL	HARRIS
M38510R05951SNC	1(1.5)	CD4028BQSR	DECODER, BCD-TO-DECIMAL	HARRIS
M38510R05951SEA	1(1.5)	CD4028BFSR	DECODER, BCD-TO-DECIMAL	HARRIS
M38510/06001BEA	1(0)	10501/BEAJC	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/06001B2A	1(0)	10501M/B2AJC	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA
M38510/06001BFA	1(0)	10501/BFAJC	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA
M38510/06002B2A	1(0)	10502M/B2AJC	NOR-OR/NOR GATE	MOTOROLA
M38510/06002BFA	1(0)	10502/BFAJC	NOR-OR/NOR GATE	MOTOROLA
M38510/06002BEA	1(0)	10502/BEAJC	NOR-OR/NOR GATE	MOTOROLA
M38510/06003BEA	1(0)	10505/BEAJC	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
M38510/06003BFA	1(0)	10505/BFAJC	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
M38510/06003B2A	1(0)	10505M/B2AJC	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
M38510/06004BFA	1(0)	10506/BFAJC	NOR GATE, TRIPLE 3-4-3 INPUT	MOTOROLA
M38510/06004BEA	1(0)	10506/BEAJC	NOR GATE. TRIPLE 3-4-3 INPUT	MOTOROLA
M38510/06004B2A	1(0)	10506M/B2AJC	NOR GATE, TRIPLE 3-4-3 INPUT	MOTOROLA
M38510/06005BFA	1(0)	10507/BFAJC	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
M38510/06005B2A	1(0)	10507M/B2AJC	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
M38510/06005BEA	1(0)	10507/BEAJC	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
M38510/06006BFA	1(0)	10509/BFAJC	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
M38510/06006B2A	1(0)	10509M/B2AJC	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
M38510/06006BEA	1(0)	10509/BEAJC	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
M38510/06101BEA	1(0)	10531/BEAJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/06101B2A	1(0)	10531M/B2AJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/06101BFA	1(0)	10531/BFAJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/06102B2A	1(0)	10631M/B2AJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/06102BFA	1(0)	10631/BFAJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/06102BEA	1(0)	10631/BEAJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/06103BEA	1(0)	10576/BEAJC	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
M38510/06103BFA	1(0)	10576/BFAJC	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
M38510/06103B2A	1(0)	10576M/B2AJC	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
M38510/06104BFA	1(0)	10535/BFAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/06104BEA	1(0)	10535/BEAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/06104B2A	1(0)	10535M/B2AJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/06201BEA	1(0)	10504/BEAJC	AND/NAND GATE, QUAD 2-INPUT	MOTOROLA
M38510/06201BFA	1(0)	10504/BFAJC	AND/NAND GATE, QUAD 2-INPUT	MOTOROLA
M38510/06201B2A	1(0)	10504M/B2AJC	AND/NAND GATE. QUAD 2-INPUT	MOTOROLA
M38510/06202BEA	1(0)	10597/BEAJC	AND GATE, HEX	MOTOROLA
M38510/06202BFA	1(0)	10597/BFAJC	AND GATE, HEX	MOTOROLA
M38510/06202B2A	1(0)	10597/B2AJC	AND GATE, HEX	MOTOROLA
M38510/06301BFA	1(0)	10524/BFAJC	VOLT. LEVEL SHIFTER, TTL TO ECL, QUAD	MOTOROLA
M38510/06301B2A	1(0)	10524M/B2AJC	VOLT. LEVEL SHIFTER, TTL TO ECL, QUAD	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/06301BEA	1(0)	10524/BEAJC	VOLT. LEVEL SHIFTER, TTL TO ECL, QUAD	MOTOROLA
M38510/06302BFA	1(0)	10525/BFAJC	VOLT. LEVEL SHIFTER, ECL TO TTL, QUAD	MOTOROLA
M38510/06302B2A	1(0)	10525M/B2AJC	VOLT. LEVEL SHIFTER, ECL TO TTL, QUAD	MOTOROLA
M38510/06302BEA	1(0)	10525/BEAJC	VOLT. LEVEL SHIFTER, ECL TO TTL, QUAD	MOTOROLA
M38510/07001BDA	1(1)	54S00	NAND GATE, QUAD 2-INPUT	T.I.
M38510/07001BCA	1(1)	54S00	NAND GATE, QUAD 2-INPUT	T.I.
M38510/07002BCA	1(1)	54S03	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/07003BCA	1(1)	54S04	HEX INVERTER	T.I.
M38510/07003BDA	1(1)	54S04	HEX INVERTER	T.I.
M38510/07004BCA	1(0)	54S05	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/07005BDA	1(0)	54S10	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/07005BCA	1(0)	54S10	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/07006BDA	1(0)	54S20	NAND GATE, DUAL 4-INPUT	T.I.
M38510/07006BCA	1(0)	54S20	NAND GATE, DUAL 4-INPUT	T.I.
M38510/07007BCA	1(0)	54S22	NAND GATE, DUAL 4-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/07009BFA	1(1)	54S133	NAND GATE, 13-INPUT	T.I.
M38510/07009BEA	1(1)	54S133	NAND GATE, 13-INPUT	T.I.
M38510/07101BDA	1(1)	54S74	FLIP-FLOP, D-TYPE, DUAL	T.I.
M38510/07101BCA	1(1)	54S74	FLIP-FLOP, D-TYPE, DUAL	T.I.
M38510/07102BEA	1(0)	54S112	FLIP-FLOP, JK, DUAL	T.I.
M38510/07102BFA	1(0)	54S112	FLIP-FLOP, JK, DUAL	T.I.
M38510/07105BFA	1(1)	54S174	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
M38510/07105BEA	1(1)	54S174	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
M38510/07106BEA	1(1)	54S175	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
M38510/07201BCA	1(0)	54S40	BUFFER/DRIVER, NAND, DUAL 4-INPUT	T.I.
M38510/07301BCA	1(<2)	54S02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/07401BCA	1(1)	54S51	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
M38510/07401BDA	1(1)	54S51	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
M38510/07402BCA	1(1)	54S64	AND-OR-INVERT GATE, QUAD 4-2-3-2-INPUT	T.I.
M38510/07402BDA	1(1)	54S64	AND-OR-INVERT GATE, QUAD 4-2-3-2-INPUT	T.I.
M38510/07501BDA	1(<2)	54S86	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
M38510/07501BCA	1(<2)	54S86	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
M38510/07601BEA	1(<.5)	54S194	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
M38510/07701BFA	1(<2)	54S138	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
M38510/07701BEA	1(<2)	54S138	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
M38510/07801BJA	1(0)	54S181	ALU/FUNCTION GENERATOR, 4-BIT	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/07802BEA	2(2)	54S182	LOOK AHEAD CARRY GENERATOR	T.I.
M38510/07901BEA	1(0)	54S151	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
M38510/07901BFA	1(0)	54S151	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
M38510/07902BEA	1(1)	54S153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
M38510/07902BFA	1(1)	54S153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
M38510/07903BEA	1(1)	54S157	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
M38510/07903BFA	1(1)	54S157	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
M38510/07904BFA	2(2)	54S158	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
M38510/07904BEA	2(2)	54S158	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
M38510/07905BEA	1(<.5)	54S251	DATA SEL/MULTIPLEXER. 8-INPUT. WITH 3-STATE OUTPUTS	T.I.
M38510/07906BEA	1(1)	54S257	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
M38510/08001BDA	1(<2)	54S11	AND GATE, TRIPLE 3-INPUT	T.I.
M38510/08001BCA	1(<2)	54S11	AND GATE, TRIPLE 3-INPUT	T.I.
M38510/08003BCA	1(0)	54S08	AND GATE, QUAD 2-INPUT	T.I.
M38510/08003BDA	1(0)	54S08	AND GATE, QUAD 2-INPUT	T.I.
M38510/08101BDA	1(1)	54S140	LINE DRIVER, DUAL 4-INPUT NAND	T.I.
M38510/08101BCA	1(1)	54S140	LINE DRIVER, DUAL 4-INPUT NAND	T.I.
M38510/08201BEA	1(1)	54S85	MAGNITUDE COMPARATOR, 4-BIT	T.I.
M38510/08201BFA	1(1)	54S85	MAGNITUDE COMPARATOR, 4-BIT	T.I.
M38510/10101BHA	1(0)	JL741BHA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10101BPA	1(0)	JL741BPA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10101BGA	1(0)	JL741BGA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10101SPA	1(0)	JL741SPA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10101SGA	1(0)	JL741SGA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10101SCA	1(0)	JL741SCA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10101SHA	1(0)	JL741SHA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10101BCA	1(0)	JL741BCA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10102BCA	1(0)	JL747BCA	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
M38510/10102BDA	1(0)	JL747BDA	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
M38510/10102SIA	1(0)	JL747SIA	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
M38510/10102BIA	1(0)	JL747BIA	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
M38510/10102SCA	1(0)	JL747SCA	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
M38510/10102SDA	1(0)	JL747SDA	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
M38510/10103SCA	1(0)	JL101ASCA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10103BGA	1(0)	JL101ABGA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10103BPA	1(0)	JL101ABPA	OP AMP, GENERAL PURPOSE	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/10103BGA	1	101ATJAN	OP AMP, GENERAL PURPOSE	LINFINITY
M38510/10103SHA	1(0)	JL101ASHA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10103BHA	1	101AFJAN	OP AMP, GENERAL PURPOSE	LINFINITY
M38510/10103BHA	1(0)	JL101ABHA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10103SPA	1(0)	JL101ASPA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10103BCA	1(0)	JL101ABCA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10103SGA	1(0)	JL101SGA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10104SGC	1(0)	JL108ASGC	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10104BGA	1(0)	JL108ABGA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10104BPA	1(0)	108A/BPAJC	OP AMP, GENERAL PURPOSE	MOTOROLA
M38510/10104SCA	1(0)	JL108ASCA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10104BCA	1(0)	JL108ABCA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10104BPA	1(0)	JL108ABPA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10104BHA	1(0)	JL108ABHA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10104BPA	1(.5)	LM108	OP AMP, GENERAL PURPOSE	T.I.
M38510/10104SHA	1(0)	JL108ASHA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10104SGA	1(0)	JL108ASGA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10104SPA	1(0)	JL108ASPA	OP AMP, GENERAL PURPOSE	NATIONAL
M38510/10105BEA	1	20101JJAN	OP AMP, DUAL	LINFINITY
M38510/10107SPA	1(0)	JL118SPA	OP AMP, HIGH-SPEED	NATIONAL
M38510/10107BCA	1(0)	JL118BCA	OP AMP, HIGH-SPEED	NATIONAL
M38510/10107SGA	1(0)	JL118SGA	OP AMP, HIGH-SPEED	NATIONAL
M38510/10107BHA	1(0)	JL118BHA	OP AMP, HIGH-SPEED	NATIONAL
M38510/10107SCA	1(0)	JL118SCA	OP AMP, HIGH-SPEED	NATIONAL
M38510/10107BPA	1(0)	JL118BPA	OP AMP, HIGH-SPEED	NATIONAL
M38510/10107BPA	1(1)	LM118	OP AMP, HIGH-SPEED	T.I.
M38510/10107SHA	1(0)	JL118SHA	OP AMP, HIGH-SPEED	NATIONAL
M38510/10107BGA	1(0)	JL118BGA	OP AMP, HIGH-SPEED	NATIONAL
M38510/10108SGA	1(0)	JL1558SGA	OP AMP, DUAL	NATIONAL
M38510/10108BGA	1(0)	JL1558BGA	OP AMP, DUAL	NATIONAL
M38510/10201BCA	1	723JJAN	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
M38510/10201BIA	1	723TJAN	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
M38510/10201BHA	1	723FJAN	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
M38510/10201SCA	1(0)	JL723SCA	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
M38510/10201SIA	1(0)	JL723SIA	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
M38510/10201BIA	1(0)	JL723BIA	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
M38510/10201BCA	1(0)	JL723BCA	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/10301BHA	1(0)	JL710BHA	VOLT. COMPARATOR, DIFFERENTIAL	NATIONAL
M38510/10301BGA	1(0)	JL710BGA	VOLT. COMPARATOR, DIFFERENTIAL	NATIONAL
M38510/10301BCA	1(0)	JL710BCA	VOLT. COMPARATOR, DIFFERENTIAL	NATIONAL
M38510/10302BIA	1(0)	JL711BIA	VOLT. COMPARATOR, DUAL DIFFERENTIAL	NATIONAL
M38510/10304BCA	1(0)	JL111BCA	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
M38510/10304BGA	1(0)	JL111BGA	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
M38510/10304BPA	1(0)	LM111	VOLT. COMPARATOR/BUFFER, PRECISION	T.I.
M38510/10304BPA	1(0)	111/BPAJC	VOLT. COMPARATOR/BUFFER, PRECISION	MOTOROLA
M38510/10304BHA	1(0)	JL111BHA	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
M38510/10304BPA	1(0)	JL111BPA	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
M38510/10304SPA	1(0)	JL111SPA	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
M38510/10304SGA	1(0)	JL111SGA	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
M38510/10304SHA	1(0)	JL111SHA	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
M38510/10304SCA	1(0)	JL111SCA	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
M38510/10305SEA	1(0)	JL2111SEA	VOLT. COMPARATOR, DUAL	NATIONAL
M38510/10305BEA	1(0)	JL2111BEA	VOLT. COMPARATOR, DUAL	NATIONAL
M38510/10306BCA	1(0)	JL119BCA	VOLT. COMPARATOR, DUAL, HIGH-SPEED	NATIONAL
M38510/10306BIA	1(0)	JL119BIA	VOLT. COMPARATOR, DUAL, HIGH-SPEED	NATIONAL
M38510/10401BCA	1(0)	55107/BCAJC	LINE RECEIVER, DUAL	MOTOROLA
M38510/10401BCA	1(.5)	55107A	LINE RECEIVER, DUAL	T.I.
M38510/10401BCA	1(0)	JD55107BCA	LINE RECEIVER, DUAL	NATIONAL
M38510/10401BDA	1(.5)	55107A	LINE RECEIVER, DUAL	T.I.
M38510/10401BDA	1(0)	JD55107BDA	LINE RECEIVER, DUAL	NATIONAL
M38510/10402BCA	1(.5)	55108A	LINE RECEIVER, DUAL OC	T.I.
M38510/10403BEA	2(2)	55114	LINE DRIVER, DUAL DIFFERENTIAL	T.I.
M38510/10403BFA	2(2)	55114	LINE DRIVER, DUAL DIFFERENTIAL	T.I.
M38510/10404BEA	1(1)	55115	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
M38510/10404BFA	1(0)	JD55115BFA	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
M38510/10404BEA	1(0)	JD55115BEA	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
M38510/10405BEA	3(4)	55113	LINE DRIVER, DUAL DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
M38510/10501BEA	1(0)	IH5040	ANALOG SWITCH, SPST, 1-CHANNEL, 75 OHMS	HARRIS
M38510/10502BEA	1(0)	IH5041	ANALOG SWITCH, SPST, 2-CHANNEL, 75 OHMS	HARRIS
M38510/10503BEA	1(0)	IH5042	ANALOG SWITCH, SPDT, 1-CHANNEL, 75 OHMS	HARRIS
M38510/10504BEA	1(0)	IH5043	ANALOG SWITCH, SPDT, 2-CHANNEL, 75 OHMS	HARRIS
M38510/10505BEA	1(.5)	IH5044	ANALOG SWITCH, DPST, 1-CHANNEL, 75 OHMS	HARRIS
M38510/10506BEA	1(0)	IH5045	ANALOG SWITCH, DPST, 2-CHANNEL, 75 OHMS	HARRIS
M38510/10701BXA	1	109TJAN	VOLT. REGULATOR, FIXED, POSITIVE, 5V	LINFINITY

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/10701SXA	3(10)	JL109SXA	VOLT. REGULATOR, FIXED, POSITIVE, 5V	NATIONAL
M38510/10701BYA	1(0)	JL109BYA	VOLT. REGULATOR, FIXED, POSITIVE, 5V	NATIONAL
M38510/10701BXA	1(0)	JL109BXA	VOLT. REGULATOR, FIXED, POSITIVE, 5V	NATIONAL
M38510/10702BXA	1(0)	JL140-5BXA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10702SXA	3(10)	JL140-5SXA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10702BXA	1	7805TJAN	VOLT. REGULATOR, FIXED, POSITIVE	LINFINITY
M38510/10703BXA	1	7812TJAN	VOLT. REGULATOR, FIXED, POSITIVE	LINFINITY
M38510/10703SXA	3(10)	JL140-12SXA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10703BXA	1(0)	JL140-12BXA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10704BXA	1(0)	JL140-15BXA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10704SXA	3(7.5)	JL140-15SXA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10706BYA	1(0)	JL140-5BYA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10706SYA	1(0)	JL140-5SYA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10706BYA	1	7805KJAN	VOLT. REGULATOR, FIXED, POSITIVE	LINFINITY
M38510/10707BYA	1	7812KJAN	VOLT. REGULATOR, FIXED, POSITIVE	LINFINITY
M38510/10707BYA	1(0)	JL140-12BYA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10707SYA	1(0)	JL140-12SYA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10708SYA	1(0)	JL140-15SYA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10708BYA	1	7815KJAN	VOLT. REGULATOR, FIXED, POSITIVE	LINFINITY
M38510/10708BYA	1(0)	JL140-15BYA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10709BYA	1(0)	JL140-24BYA	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
M38510/10802SCA	1(0)	JL3045SCA	TRANSISTOR ARRAY	NATIONAL
M38510/10802BCA	1(0)	JL3045BCA	TRANSISTOR ARRAY	NATIONAL
M38510/10901BPA	1(0)	JL555BPA	TIMER, PRECISION	NATIONAL
M38510/10901SGA	1(0)	JL555SGA	TIMER, PRECISION	NATIONAL
M38510/10901BCA	1(.5)	SE555	TIMER, PRECISION	T.I.
M38510/10901BPA	1(.5)	SE555	TIMER, PRECISION	T.I.
M38510/10901SPA	1(0)	JL555SPA	TIMER, PRECISION	NATIONAL
M38510/10901BGA	1(0)	JL555BGA	TIMER, PRECISION	NATIONAL
M38510/10902BCA	1(.5)	SE556	TIMER, DUAL PRECISION	T.I.
M38510/11001SCA	1(0)	JL148SCA	OP AMP, QUAD	NATIONAL
M38510/11001BDA	1(0)	JL148BDA	OP AMP, QUAD	NATIONAL
M38510/11001BCA	1(0)	JL148BCA	OP AMP, QUAD	NATIONAL
M38510/11001SDA	1(0)	JL148SDA	OP AMP, QUAD	NATIONAL
M38510/11004SCA	1(0)	JL4136SCA	OP AMP, QUAD	NATIONAL
M38510/11004BCA	1(0)	JL4136BCA	OP AMP, QUAD	NATIONAL
M38510/11005SDA	1(0)	JL124SDA	OP AMP, QUAD	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/11005BDA	1(0)	LM124	OP AMP, QUAD	T.I.
M38510/11005SCA	1(0)	JL124SCA	OP AMP, QUAD	NATIONAL
M38510/11005BCA	1(0)	JL124BCA	OP AMP, QUAD	NATIONAL
M38510/11005BDA	1(0)	JL124BDA	OP AMP, QUAD	NATIONAL
M38510/11005BCA	1(0)	124/BCAJC	OP AMP, QUAD	MOTOROLA
M38510/11005BCA	1(0)	LM124	OP AMP, QUAD	T.I.
M38510/11006SDA	1(0)	JL124ASDA	OP AMP, QUAD	NATIONAL
M38510/11006BDA	1(0)	JL124ABDA	OP AMP, QUAD	NATIONAL
M38510/11006BCA	1(0)	JL124ABCA	OP AMP, QUAD	NATIONAL
M38510/11006SCA	1(0)	JL124ASCA	OP AMP, QUAD	NATIONAL
M38510/11101BXA	1(0.5)	SJM181BXA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11101BCC	1(0.5)	SJM181BCC	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11101BXA	1(0.5)	SJM181BXA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11101BIC	1(0.5)	SJM181BIC	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11101BIA	1(0.5)	SJM181BIA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11101BCA	1(0.5)	SJM181BCA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11102BCC	1(0.5)	SJM182BCC	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11102BCA	1(0.5)	SJM182BCA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11102BIC	1(0.5)	SJM182BIC	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11102BXA	1(0.5)	SJM182BXA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11102BIA	1(0.5)	SJM182BIA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11102BXA	1(0.5)	SJM182BXC	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11103BEC	1(0.5)	SJM184BEC	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11103BXA	1(0.5)	SJM184BXA	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11103BEA	1(0.5)	SJM184BEA	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11103BXC	1(0.5)	SJM184BXC	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11104BXA	1(0.5)	SJM185BXA	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11104BEC	1(0.5)	SJM185BEC	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11104BXC	1(0.5)	SJM185BXC	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11104BEA	1(0.5)	SJM185BEA	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11105BXA	1(0.5)	SJM187BXA	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11105BXC	1(0.5)	SJM187BXC	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11105BIA	1(0.5)	SJM187BIA	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11105BCC	1(0.5)	SJM187BCC	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11105BCA	1(0.5)	SJM187BCA	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11105BIC	1(0.5)	SJM187BIC	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11106BIA	1(0.5)	SJM188BIA	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/11106BCA	1(0.5)	SJM188BCA	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11106BXC	1(0.5)	SJM188BXC	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11106BIC	1(0.5)	SJM188BIC	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11106BXA	1(0.5)	SJM188BXA	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11106BCC	1(0.5)	SJM188BCC	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11107BEC	1(0.5)	SJM190BEC	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11107BXA	1(0.5)	SJM190BXA	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11107BEA	1(0.5)	SJM190BEA	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11107BXC	1(0.5)	SJM190BXC	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11108BXC	1(0.5)	SJM191BXC	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11108BEA	1(0.5)	SJM191BEA	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11108BEC	1(0.5)	SJM191BEC	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11108BXA	1(0.5)	SJM191BXA	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11201BCA	1(0)	JL139BCA	VOLT. COMPARATOR, QUAD	NATIONAL
M38510/11201BCA	1(0)	LM139	VOLT. COMPARATOR, QUAD	T.I.
M38510/11201SCA	1(0)	JL139SCA	VOLT. COMPARATOR, QUAD	NATIONAL
M38510/11201BDA	1(0)	LM139	VOLT. COMPARATOR, QUAD	T.I.
M38510/11201SDA	1(0)	JL139SDA	VOLT. COMPARATOR, QUAD	NATIONAL
M38510/11201BDA	1(0)	JL139BDA	VOLT. COMPARATOR, QUAD	NATIONAL
M38510/11201BCA	1(0)	139/BCAJC	VOLT. COMPARATOR, QUAD	MOTOROLA
M38510/11202BGA	1(0)	JL193BGA	VOLT. COMPARATOR, DUAL	NATIONAL
M38510/11202BPA	1(0)	JL193BPA	VOLT. COMPARATOR, DUAL	NATIONAL
M38510/11202BPA	1(.5)	LM193	VOLT. COMPARATOR, DUAL	T.I.
M38510/11401BGA	1(0)	JL155BGA	OP AMP, JFET-INPUT	NATIONAL
M38510/11402BGA	1(0)	JL156BGA	OP AMP, JFET-INPUT	NATIONAL
M38510/11402SGA	1(0)	JL156SGA	OP AMP, JFET-INPUT	NATIONAL
M38510/11501BXA	1(0)	JL120-5BXA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
M38510/11501BXA	3	7905ATJAN	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
M38510/11501SXA	3(10)	JL120-5SXA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
M38510/11502BXA	3	7912ATJAN	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
M38510/11502BXA	1(0)	JL120-12BXA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
M38510/11502SXA	3(10)	JL120-12SXA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
M38510/11503BXA	1(0)	JL120-15BXA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
M38510/11503BXA	3	7915TJAN	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
M38510/11503SXA	3(10)	JL120-15SXA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
M38510/11505BYA	1(0)	JL120-5BYA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
M38510/11505SYA	1(0)	JL120-5SYA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/11505BYA	3	7905AKJAN	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
M38510/11506BYA	3	7912KJAN	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
M38510/11506BYA	1(0)	JL120-12BYA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
M38510/11506SYA	1(0)	JL120-12SYA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
M38510/11507SYA	1(0)	JL120-15SYA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
M38510/11507BYA	3	7915AKJAN	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
M38510/11507BYA	1(0)	JL120-15BYA	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
M38510/11508BYA	3	7924KJAN	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
M38510/11601BCC	1(0.5)	SJM300BCC	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11601BCA	1(.3)	DG300	ANALOG SWITCH, SPST, 2-CHANNEL	HARRIS
M38510/11601BIC	1(0.5)	SJM300BIC	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11601BCA	1(0.5)	SJM300BCA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11601BIA	1(0.5)	SJM300BIA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11602BIC	1(0.5)	SJM301BIC	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11602BCA	1(.4)	DG301	ANALOG SWITCH, SPDT, 1-CHANNEL	HARRIS
M38510/11602BIA	1(0.5)	SJM301BIA	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11602BCA	1(0.5)	SJM301BCA	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11602BCC	1(0.5)	SJM301BCC	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
M38510/11603BCA	1(0.5)	SJM302BCA	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11603BCA	1(.4)	DG302	ANALOG SWITCH, DPST, 2-CHANNEL	HARRIS
M38510/11603BCC	1(0.5)	SJM302BCC	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11604BCA	1(0.5)	SJM303BCA	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11604BCA	1(.4)	DG303	ANALOG SWITCH, SPDT, 2-CHANNEL	HARRIS
M38510/11604BCC	1(0.5)	SJM303BCC	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11605BIA	1(0.5)	SJM304BIA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11605BCA	1(0.5)	SJM304BBCA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11605BCC	1(0.5)	SJM304BCC	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11605BIC	1(0.5)	SJM304BIC	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/11606BIA	1(0.5)	SJM305BIA	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11606BIC	1(0.5)	SJM305BIC	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11606BCC	1(0.5)	SJM305BCC	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11606BCA	1(0.5)	SJM305BCA	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11607BCC	1(0.5)	SJM306BCC	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11607BCA	1(0.5)	SJM306BCA	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
M38510/11608BCC	1(0.5)	SJM307BCC	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11608BCA	1(0.5)	SJM307BCA	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
M38510/11703SXA	1(1.5)	JL117SXA	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/11703BXA	1(0)	JL117BXA	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
M38510/11703BXA	3	117TJAN	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
M38510/11704SYA	1(0)	JL117SYA	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
M38510/11704BYA	1(0)	JL117BYA	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
M38510/11704BYA	3	117KJAN	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
M38510/11803BXA	1(0)	JL137BXA	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
M38510/11803SXA	2(2)	JL137SXA	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
M38510/11804SYA	1(0)	JL137SYA	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
M38510/11804BYA	1(0)	JL137BYA	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
M38510/11804BYA	3	137KJAN	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
M38510/11904BPA	1(0)	JL411BPA	OP AMP, BIFET, LOW-POWER	NATIONAL
M38510/11904BGA	1(0)	JL411BGA	OP AMP, BIFET, LOW-POWER	NATIONAL
M38510/11905BPA	2(2)	TL072	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
M38510/11905BGA	1(0)	JL412BGA	OP AMP, DUAL, BI-FET, LOW POWER	NATIONAL
M38510/11905BPA	1(0)	JL412BPA	OP AMP, DUAL, BI-FET, LOW POWER	NATIONAL
M38510/11906BCA	1(0)	JL147BCA	OP AMP, QUAD, BIFET, LOW-POWER	NATIONAL
M38510/11906BCA	1(0)	TL074	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
M38510/12101BJA	1(1)	AD562SD	D/A CONVERTER, 12-BIT, EXTERNAL REFERENCE, 2 MA, FS	ANALOG DEVICES
M38510/12103BJA	1(0)	AD565SD	D/A CONVERTER, 12-BIT	ANALOG DEVICES
M38510/12202BGA	1(.4)	HA-2600	OP AMP, WIDEBAND	HARRIS
M38510/12202BPA	1(.4)	HA-2600	OP AMP, WIDEBAND	HARRIS
M38510/12203BPA	1(.4)	HA-2620	OP AMP, WIDEBAND	HARRIS
M38510/12203BGA	1(.4)	HA-2620	OP AMP, WIDEBAND	HARRIS
M38510/12204BGA	1(.4)	HA-2500	OP AMP, PRECISION	HARRIS
M38510/12204BPA	1(.4)	HA-2500	OP AMP, PRECISION	HARRIS
M38510/12205BPA	1(.4)	HA-2510	OP AMP, HIGH-SPEED	HARRIS
M38510/12205BGA	1(.4)	HA-2510	OP AMP, HIGH-SPEED	HARRIS
M38510/12206BPA	1(.5)	HA-2520	OP AMP, HIGH-SPEED	HARRIS
M38510/12206BGA	1(.5)	HA-2520	OP AMP, HIGH-SPEED	HARRIS
M38510/12301BIC	1(0.5)	SJM200BIC	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/12301BCA	1(0.5)	SJM200BCA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/12301BIA	1(0.5)	SJM200BIA	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/12301BCC	1(0.5)	SJM200BCC	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
M38510/12302BEA	1(.5)	DG201	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
M38510/12302BEA	1(0.5)	SJM201BEA	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
M38510/12302BEC	1(0.5)	SJM201BEC	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
M38510/12501BGA	1(0)	JL198BGA	SAMPLE AND HOLD AMPLIFIER	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/12501SGA	1(0)	JL198SGA	SAMPLE AND HOLD AMPLIFIER	NATIONAL
M38510/12601BEA	1	152JJAN	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
M38510/12602BEA	1	1525AJJAN	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
M38510/12603BEA	1	1526BJJAN	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
M38510/12603BVA	1(0)	1526/BVAJC	PULSE WIDTH MODULATOR, REGULATING	MOTOROLA
M38510/12604BEA	1	1527AJJAN	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
M38510/12801BGA	1(0.5)	AD584SH	VOLT. REFERENCE, PROGRAMMABLE	ANALOG DEVICES
M38510/12802BGA	1(0.5)	AD584TH	VOLT. REFERENCE, PROGRAMMABLE	ANALOG DEVICES
M38510/12902BPA	2(2)	55451	PERIPHERAL DRIVER, DUAL AND	T.I.
M38510/12903BPA	1	55452BYJAN	PERIPHERAL DRIVER, DUAL NAND	LINFINITY
M38510/12903BPA	3(4)	55452	PERIPHERAL DRIVER, DUAL NAND	T.I.
M38510/12905BPA	1(1)	55454	PERIPHERAL DRIVER, DUAL NOR	T.I.
M38510/12908BPA	2(2)	55462	PERIPHERAL DRIVER, DUAL NAND	T.I.
M38510/12909BPA	2(2)	55463	PERIPHERAL DRIVER, DUAL OR	T.I.
M38510/13001BEA	2	55325JJAN	MEMORY CORE DRIVER, DUAL	LINFINITY
M38510/13001BFA	2	55325FJAN	MEMORY CORE DRIVER, DUAL	LINFINITY
M38510/13002BEA	2	55326JJAN	MEMORY CORE DRIVER, QUAD	LINFINITY
M38510/13301BEA	1(0.5)	AD561SD	D/A CONVERTER, 10-BIT	ANALOG DEVICES
M38510/13503BPA	3(4)	OP27	OP AMP, PRECISION	T.I.
M38510/14001BXA	1(0.5)	AD574AUD	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
M38510/14002BXA	1(0.5)	AD574ATD	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
M38510/14101BEA	2	2001JJAN	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
M38510/14102BEA	1	2002JJAN	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
M38510/14103BEA	1(0)	2003A/BEAJC	TRANSISTOR ARRAY, DARLINGTON	MOTOROLA
M38510/14103BEA	2	2003JJAN	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
M38510/14104BEA	1	2004JJAN	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
M38510/14105BEA	2	2005JJAN	TRANSISTOR ARRAY	LINFINITY
M38510/14106BVA	2	2801JJAN	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
M38510/14107BVA	1	2802JJAN	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
M38510/14108BVA	2	2803JJAN	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
M38510/14109BVA	1	2804JJAN	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
M38510/14110BVA	1	2805JJAN	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
M38510/14801BPA	1(0)	431/BPAJC	VOLT. REFERENCE DIODE, 2.5V	MOTOROLA
M38510/15001BEA	1(0)	5485	MAGNITUDE COMPARATOR, 4-BIT	T.I.
M38510/15102BDA	1(0)	JD5414BDA	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
M38510/15102BCA	1(0)	JD5414BCA	HEX INVERTER, SCHMITT TRIGGER	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/16101BCA	1(0)	5432	OR GATE, QUAD 2-INPUT	T.I.
M38510/16303BEA	1(0)	54367	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/16304BEA	1(0)	54368	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510R17001BTC	1(.5)	CD4081BQBR	AND GATE, QUAD 2-INPUT	HARRIS
M38510H17001SCA	1(.5)	CD4081BFSH	AND GATE, QUAD 2-INPUT	HARRIS
M38510R17001SCA	1(.5)	CD4081BFSR	AND GATE, QUAD 2-INPUT	HARRIS
M38510H17001BCA	1(.5)	CD4081BFBH	AND GATE, QUAD 2-INPUT	HARRIS
M38510R17001STC	1(.5)	CD4081BQSR	AND GATE, QUAD 2-INPUT	HARRIS
M38510R17001BCA	1(.5)	CD4081BFBR	AND GATE, QUAD 2-INPUT	HARRIS
M38510H17001BTC	1(.5)	CD4081BQBH	AND GATE, QUAD 2-INPUT	HARRIS
M38510H17001STC	1(.5)	CD4081BQSH	AND GATE, QUAD 2-INPUT	HARRIS
M38510/17001BCA	1(.5)	CD4081BFB	AND GATE, QUAD 2-INPUT	HARRIS
M38510/17002BCA	1(.5)	CD4082BFB	AND GATE, DUAL 4-INPUT	HARRIS
M38510R17002BTC	1(.5)	CD4082BQBR	AND GATE, DUAL 4-INPUT	HARRIS
M38510R17002BCA	1(.5)	CD4082BFBR	AND GATE, DUAL 4-INPUT	HARRIS
M38510R17003BCA	1(.5)	CD4073BFBR	AND GATE, TRIPLE 3-INPUT	HARRIS
M38510/17003BCA	1(.5)	CD4073BFB	AND GATE, TRIPLE 3-INPUT	HARRIS
M38510R17003BTC	1(.5)	CD4073BQBR	AND GATE, TRIPLE 3-INPUT	HARRIS
M38510R17101BCA	1(.5)	CD4071BFBR	OR GATE, QUAD 2-INPUT	HARRIS
M38510R17101STC	1(.5)	CD4071BQSR	OR GATE, QUAD 2-INPUT	HARRIS
M38510R17101SCA	1(.5)	CD4071BFSR	OR GATE, QUAD 2-INPUT	HARRIS
M38510H17101STC	1(.5)	CD4071BQSH	OR GATE, QUAD 2-INPUT	HARRIS
M38510H17101SCA	1(.5)	CD4071BFSH	OR GATE, QUAD 2-INPUT	HARRIS
M38510R17101BTC	1(.5)	CD4071BQBR	OR GATE, QUAD 2-INPUT	HARRIS
M38510/17101BCA	1(.5)	CD4071BFB	OR GATE, QUAD 2-INPUT	HARRIS
M38510H17101BTC	1(.5)	CD4071BQBH	OR GATE, QUAD 2-INPUT	HARRIS
M38510H17101BCA	1(.5)	CD4071BFBH	OR GATE, QUAD 2-INPUT	HARRIS
M38510R17102BTC	1(.5)	CD4072BQBR	OR GATE, DUAL 4-INPUT	HARRIS
M38510R17102BCA	1(.5)	CD4072BFBR	OR GATE, DUAL 4-INPUT	HARRIS
M38510/17103BCA	1(.5)	CD4075BFB	OR GATE, TRIPLE 3-INPUT	HARRIS
M38510H17103BTC	1(.5)	CD4075BQBH	OR GATE, TRIPLE 3-INPUT	HARRIS
M38510H17103STC	1(.5)	CD4075BQSH	OR GATE, TRIPLE 3-INPUT	HARRIS
M38510R17103BTC	1(.5)	CD4075BQBR	OR GATE, TRIPLE 3-INPUT	HARRIS
M38510H17103BCA	1(.5)	CD4075BFBH	OR GATE, TRIPLE 3-INPUT	HARRIS
M38510H17103SCA	1(.5)	CD4075BFSH	OR GATE, TRIPLE 3-INPUT	HARRIS
M38510R17103BCA	1(.5)	CD4075BFBR	OR GATE, TRIPLE 3-INPUT	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510R17103STC	1(.5)	CD4075BQSR	OR GATE, TRIPLE 3-INPUT	HARRIS
M38510R17103SCA	1(.5)	CD4075BFSR	OR GATE, TRIPLE 3-INPUT	HARRIS
M38510H17201BTC	1(1)	CD4085BQBH	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
M38510H17201STC	1(1)	CD4085BQSH	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
M38510H17201BCA	1(1)	CD4085BFBH	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
M38510R17201BCA	1(1)	CD4085BFBR	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
M38510R17201SCA	1(1)	CD4085BFSR	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
M38510R17201BTC	1(1)	CD4085BQBR	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
M38510R17201STC	1(1)	CD4085BQSR	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
M38510H17201SCA	1(1)	CD4085BFSH	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
M38510H17202BCA	1(1)	CD4086BFBH	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
M38510R17202BCA	1(1)	CD4086BFBR	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
M38510R17202BTC	1(1)	CD4086BQBR	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
M38510H17202BTC	1(1)	CD4086BQBH	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
M38510H17202SCA	1(1)	CD4086BFSH	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
M38510H17202STC	1(1)	CD4086BQSH	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
M38510R17202SCA	1(1)	CD4086BFSR	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
M38510R17202STC	1(1)	CD4086BQSR	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
M38510/17203BCA	1(1)	CD4070BFB	EXCLUSIVE-OR GATE, QUAD	HARRIS
M38510H17203SCA	1(1)	CD4070BFSH	EXCLUSIVE-OR GATE, QUAD	HARRIS
M38510R17203STC	1(1)	CD4070BQSR	EXCLUSIVE-OR GATE, QUAD	HARRIS
M38510R17203SCA	1(1)	CD4070BFSR	EXCLUSIVE-OR GATE, QUAD	HARRIS
M38510H17203BTC	1(1)	CD4070BQBH	EXCLUSIVE-OR GATE, QUAD	HARRIS
M38510H17203BCA	1(1)	CD4070BFBH	EXCLUSIVE-OR GATE, QUAD	HARRIS
M38510R17203BTC	1(1)	CD4070BQBR	EXCLUSIVE-OR GATE, QUAD	HARRIS
M38510R17203BCA	1(1)	CD4070BFBR	EXCLUSIVE-OR GATE, QUAD	HARRIS
M38510H17203STC	1(1)	CD4070BQSH	EXCLUSIVE-OR GATE, QUAD	HARRIS
M38510R17204BCA	1(1)	CD4077BFBR	EXCLUSIVE-NOR GATE, QUAD	HARRIS
M38510R17204BTC	1(1)	CD4077BQBR	EXCLUSIVE-NOR GATE, QUAD	HARRIS
M38510H17401BCA	1(.5)	CD4069UBFBH	HEX INVERTER	HARRIS
M38510R17401SCA	1(.5)	CD4069UBFSR	HEX INVERTER	HARRIS
M38510H17401BTC	1(.5)	CD4069UBQBH	HEX INVERTER	HARRIS
M38510R17401STC	1(.5)	CD4069UBQSR	HEX INVERTER	HARRIS
M38510H17401STC	1(.5)	CD4069UBQSH	HEX INVERTER	HARRIS
M38510H17401SCA	1(.5)	CD4069UBFSH	HEX INVERTER	HARRIS
M38510R17401BCA	1(.5)	CD4069UBFBR	HEX INVERTER	HARRIS
M38510R17401BTC	1(.5)	CD4069UBQBR	HEX INVERTER	HARRIS

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/17401BCA	1(.5)	CD4069UBFB	HEX INVERTER	HARRIS
M38510R17403BEA	1(1)	CD4502BFBR	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	HARRIS
M38510R17403SNC	1(1)	CD4502BQSR	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	HARRIS
M38510R17403SEA	1(1)	CD4502BFSR	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	HARRIS
M38510/17403BEA	1(1)	CD4502BFB	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	HARRIS
M38510R17403BNC	1(1)	CD4502BQBR	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	HARRIS
M38510/17504BEA	1(1)	CD4098BFB	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE/RESETTABLE	HARRIS
M38510R17504BNC	1(1)	CD4098BQBR	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE/RESETTABLE	HARRIS
M38510R17504BEA	1(1)	CD4098BFBR	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE/RESETTABLE	HARRIS
M38510R17601BNC	1(1.5)	CD4099BQBR	LATCH, 8-BIT ADDRESSABLE	HARRIS
M38510/17601BEA	1(1.5)	CD4099BFB	LATCH, 8-BIT ADDRESSABLE	HARRIS
M38510R17601BEA	1(1.5)	CD4099BFBR	LATCH, 8-BIT ADDRESSABLE	HARRIS
M38510/19001BXA	1(.5)	HI-506	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL	HARRIS
M38510/19001BXC	1(0.5)	SJM506BXC	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL	SILICONIX
M38510/19002BXA	1(.5)	HI-506A	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL, WITH OVERVOLTAGE PROTECTION	HARRIS
M38510/19003BXA	1(.5)	HI-507	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL DIFFERENTIAL	HARRIS
M38510/19004BXA	1(.5)	HI-507A	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS
M38510/19005BEA	1(.5)	HI-508A	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL, WITH OVERVOLTAGE PROTECTION	HARRIS
M38510/19006BEA	1(.5)	HI-509A	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS
M38510/19007BEC	1(0.5)	SJM508BEC	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	SILICONIX
M38510/19007BEA	1(.5)	HI-508	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS
M38510/19007BEA	1(0.5)	SJM508BEA	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	SILICONIX
M38510/19008BEC	1(0.5)	SJM509BEC	ANALOG MULTIPLEXER/DEMULTIPLEXER, DUAL 4-CHANNEL	SILICONIX
M38510/19008BEA	1(.5)	HI-509	ANALOG MULTIPLEXER/DEMULTIPLEXER, DUAL 4-CHANNEL	HARRIS
M38510/19008BEA	1(0.5)	SJM509BEA	ANALOG MULTIPLEXER/DEMULTIPLEXER, DUAL 4-CHANNEL	SILICONIX
M38510/22401BYA	1	JD27256-25	PROM, UV ERASABLE, 32K X 8, 250 NS ACCESS TIME	INTEL
M38510/22402BYA	1	JD27256-20	PROM, UV ERASABLE, 32K X 8, 200 NS ACCESS TIME	INTEL
M38510/22403BYA	1	JD27256-17	PROM, UV ERASABLE, 32K X 8, 170 NS ACCESS TIME	INTEL
M38510/23101BEA	1(0)	93415/BEAJC	STATIC RAM, 1K X 1, WITH OPEN-COLLECTOR OUTPUTS, 60 NS ACCESS TIME	MOTOROLA
M38510/23110BWA	1(0)	93422/BWAJC	STATIC RAM, 256 X 4, WITH 3-STATE OUTPUTS, 60 NS ACCESS TIME	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/23112BWA	1(0)	93L422/BWAJC	STATIC RAM, 256 X 4, LOW-POWER, WITH 3-STATE OUTPUTS, 75 NS ACCESS TIME	MOTOROLA
M38510/23115BWA	1(0)	93L422A/BWAJC	STATIC RAM, 256 X 4, LOW-POWER, WITH 3-STATE OUTPUTS, 55 NS ACCESS TIME	MOTOROLA
M38510/23801BVA	1	JD2147H01	STATIC RAM, 4K X 1, WITH 3-STATE OUTPUTS	INTEL
M38510/23803BVA	1	JD2147H03	STATIC RAM, 4K X 1	INTEL
M38510/23805BVA	1	JD2147H05	STATIC RAM, 4K X 1	INTEL
M38510/23806BVA	1	JD2148H06	STATIC RAM, 1K X 4	INTEL
M38510/23807BVA	1	JD2147H07	STATIC RAM, 4K X 1	INTEL
M38510/24501BVA	1(.5)	HM1-6504	STATIC RAM, 4K X 1, 300 NS ACCESS TIME	HARRIS
M38510/24502BVA	1(.5)	HM1-6514	STATIC RAM, 1K X 4, 300 NS ACCESS TIME	HARRIS
M38510/29102BJA	1(.5)	HM1-6516	STATIC RAM, 2K X 8, 200 NS ACCESS TIME	HARRIS
M38510/29103BRA	1(1.5)	HM1-65262	STATIC RAM, 16K X 1, 85 NS ACCESS TIME	HARRIS
M38510/29104BJA	1(1)	HM1-65162	STATIC RAM, 2K X 8, 90 NS ACCESS TIME	HARRIS
M38510/29109BRA	1(1.5)	HM1-65262B	STATIC RAM, 16K X 1, WITH 3-STATE OUTPUTS	HARRIS
M38510/29110BJA	1(1)	HM1-65162B	STATIC RAM, 2K X 8, 70 NS ACCESS TIME	HARRIS
M38510/29205BXA	1(1)	HM1-65642	STATIC RAM, 8K X 8, SELECTABLE MODE	HARRIS
M38510/30001BCA	1(0)	JD54LS00BCA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/30001BDA	1(0)	54LS00/BDAJC	NAND GATE, QUAD 2-INPUT	MOTOROLA
M38510/30001B2A	*1(0)*	*JD54LS00B2A*	*NAND GATE, QUAD 2-INPUT*	*NATIONAL*
M38510/30001BDA	1(1)	54LS00	NAND GATE, QUAD 2-INPUT	T.I.
M38510/30001BCA	1(1)	54LS00	NAND GATE, QUAD 2-INPUT	T.I.
M38510/30001SDA	1(0)	JD54LS00SDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/30001B2A	1(1)	54LS00	NAND GATE, QUAD 2-INPUT	T.I.
M38510/30001SCA	1(0)	JD54LS00SCA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/30001B2A	1(0)	54LS00M/B2AJC	NAND GATE, QUAD 2-INPUT	MOTOROLA
M38510/30001BCA	1(0)	54LS00/BCAJC	NAND GATE, QUAD 2-INPUT	MOTOROLA
M38510/30001BDA	1(0)	JD54LS00BDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/30002BDA	1(0)	JD54LS03BDA	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30002SCA	1(0)	JD54LS03SCA	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30002BCA	1(0)	54LS03/BCAJC	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
M38510/30002SDA	1(0)	JD54LS03SDA	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30002SDA	1(0)	JD54LS20SDA	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30002B2A	1(0)	JD54LS03B2A	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30002BCA	1(0)	JD54LS03BCA	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/30003B2A	1(1)	54LS04	HEX INVERTER	T.I.
M38510/30003B2A	1(0)	54LS04M/B2AJC	HEX INVERTER	MOTOROLA
M38510/30003BDA	1(0)	54LS04/BDAJC	HEX INVERTER	MOTOROLA
M38510/30003B2A	1(0)	JD54LS04B2A	HEX INVERTER	NATIONAL
M38510/30003BCA	1(0)	54LS04/BCAJC	HEX INVERTER	MOTOROLA
M38510/30003SDA	1(0)	JD54LS04SDA	HEX INVERTER	NATIONAL
M38510/30003BCA	1(1)	54LS04	HEX INVERTER	T.I.
M38510/30003BDA	1(0)	JD54LS04BDA	HEX INVERTER	NATIONAL
M38510/30003SCA	1(0)	JD54LS04SCA	HEX INVERTER	NATIONAL
M38510/30003BCA	1(0)	JD54LS04BCA	HEX INVERTER	NATIONAL
M38510/30003BDA	1(1)	54LS04	HEX INVERTER	T.I.
M38510/30004BCA	1(0)	JD54LS05BCA	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30004B2A	1(0)	JD54LS05B2A	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30004SDA	1(0)	JD54LS05SDA	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30004BDA	1(0)	JD54LS05BDA	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30004BCA	1(0)	54LS05/BCAJC	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
M38510/30004B2A	1(0)	54LS05M/B2AJC	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
M38510/30004SCA	1(0)	JD54LS05SCA	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30005BDA	1(0)	54LS10/BDAJC	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
M38510/30005BCA	1(0)	54LS10	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/30005B2A	1(0)	JD54LS10B2A	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/30005B2A	1(0)	54LS10M/B2AJC	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
M38510/30005BCA	1(0)	54LS10/BCAJC	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
M38510/30005BDA	1(0)	54LS10	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/30005SDA	1(0)	JD54LS10SDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/30005BCA	1(0)	JD54LS10BCA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/30005BDA	1(0)	JD54LS10BDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/30005SCA	1(0)	JD54LS10SCA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/30005B2A	1(0)	54LS10	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/30006BDA	1(0)	54LS12/BDAJC	NAND GATE, TRIPLE 3-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
M38510/30006BCA	1(0)	54LS12/BCAJC	NAND GATE, TRIPLE 3-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
M38510/30007BDA	1(0)	54LS20/BDAJC	NAND GATE, DUAL 4-INPUT	MOTOROLA
M38510/30007B2A	1(0)	JD54LS20B2A	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/30007BCA	1(0)	54LS20/BCAJC	NAND GATE, DUAL 4-INPUT	MOTOROLA
M38510/30007B2A	1(<2)	54LS20	NAND GATE, DUAL 4-INPUT	T.I.
M38510/30007BDA	1(0)	JD54LS20BDA	NAND GATE, DUAL 4-INPUT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/30007BCA	1(<2)	54LS20	NAND GATE, DUAL 4-INPUT	T.I.
M38510/30007BCA	1(0)	JD54LS20BCA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/30007BDA	1(<2)	54LS20	NAND GATE, DUAL 4-INPUT	T.I.
M38510/30007SCA	1(0)	JD54LS20SCA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/30008BCA	1(0)	54LS22/BCAJC	NAND GATE, DUAL 4-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
M38510/30009BCA	3(4)	54LS30	NAND GATE, 8-INPUT	T.I.
M38510/30009BCA	1(0)	54LS30/BCAJC	NAND GATE, 8-INPUT	MOTOROLA
M38510/30009BCA	1(0)	JD54LS30BCA	NAND GATE, 8-INPUT	NATIONAL
M38510/30009BDA	3(4)	54LS30	NAND GATE, 8-INPUT	T.I.
M38510/30009BDA	1(0)	54LS30/BDAJC	NAND GATE, 8-INPUT	MOTOROLA
M38510/30009B2A	3(4)	54LS30	NAND GATE, 8-INPUT	T.I.
M38510/30009B2A	1(0)	JD54LS30B2A	NAND GATE, 8-INPUT	NATIONAL
M38510/30009BDA	1(0)	JD54LS30BDA	NAND GATE, 8-INPUT	NATIONAL
M38510/30009SDA	1(0)	JD54LS30SDA	NAND GATE, 8-INPUT	NATIONAL
M38510/30009SCA	1(0)	JD54LS30SCA	NAND GATE, 8-INPUT	NATIONAL
M38510/30101BDA	1(0)	54LS73A/BDAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/30101BCA	1(0)	54LS73A/BCAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/30102B2A	1(0)	54LS74AM/B2AJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/30102BDA	3(4)	54LS74A	FLIP-FLOP, D-TYPE, DUAL	T.I.
M38510/30102BCA	3(4)	54LS74A	FLIP-FLOP, D-TYPE, DUAL	T.I.
M38510/30102BDA	1(0)	54LS74A/BDAJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/30102BDA	1(0)	JD54LS74ABDA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/30102BCA	1(0)	54LS74A/BCAJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/30102B2A	1(0)	JD54LS74B2A	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/30102BCA	1(0)	JD54LS74BCA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/30102B2A	3(4)	54LS74A	FLIP-FLOP, D-TYPE, DUAL	T.I.
M38510/30103BFA	1(0)	54LS112A	FLIP-FLOP, JK, DUAL	T.I.
M38510/30103BFA	1(0)	54LS112A/BFAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/30103BEA	1(0)	54LS112A/BEAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/30103B2A	1(0)	54LS112A	FLIP-FLOP, JK, DUAL	T.I.
M38510/30103B2A	1(0)	54LS112AM/B2AJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/30103BEA	1(0)	54LS112A	FLIP-FLOP, JK, DUAL	T.I.
M38510/30104BDA	1(0)	54LS113A/BDAJC	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR	MOTOROLA
M38510/30104BCA	1(0)	JD54LS113BCA	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR	NATIONAL
M38510/30104BCA	1(0)	54LS113A/BCAJC	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR	MOTOROLA
M38510/30104B2A	1(0)	JD54LS113B2A	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR	NATIONAL
M38510/30104BDA	1(0)	JD54LS113BDA	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/30105BCA	1(0)	54LS114A/BCAJC	FLIP-FLOP, JK, DUAL, WITH PRESET	MOTOROLA
M38510/30106B2A	1(0)	JD54LS174B2A	FLIP-FLOP, D-TYPE, HEX	NATIONAL
M38510/30106BFA	1(0)	JD54LS174BFA	FLIP-FLOP, D-TYPE, HEX	NATIONAL
M38510/30106BEA	1(0)	54LS174/BEAJC	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
M38510/30106BEA	1(0)	JD54LS174BEA	FLIP-FLOP, D-TYPE, HEX	NATIONAL
M38510/30106BFA	1(.5)	54LS174	FLIP-FLOP, D-TYPE, HEX	T.I.
M38510/30106BEA	1(.5)	54LS174	FLIP-FLOP, D-TYPE, HEX	T.I.
M38510/30106B2A	1(.5)	54LS174	FLIP-FLOP, D-TYPE, HEX	T.I.
M38510/30106BFA	1(0)	54LS174/BFAJC	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
M38510/30107BEA	1(0)	JD54LS175BEA	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
M38510/30107BEA	1(0)	54LS175/BEAJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
M38510/30107B2A	1(0)	54LS175	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
M38510/30107BEA	1(0)	54LS175	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
M38510/30107BFA	1(0)	54LS175/BFAJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
M38510/30107BFA	1(0)	54LS175	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
M38510/30107B2A	1(0)	54LS175M/B2AJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
M38510/30107B2A	1(0)	JD54LS175B2A	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
M38510/30107BFA	1(0)	JD54LS175BFA	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
M38510/30108BCA	1(0)	54LS107A/BCAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/30109BFA	1(0)	54LS109A/BFAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/30109BEA	1(0)	54LS109A/BEAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/30109B2A	1(0)	JD54LS109B2A	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/30109BEA	2(2)	54LS109A	FLIP-FLOP, JK, DUAL	T.I.
M38510/30109BFA	2(2)	54LS109A	FLIP-FLOP, JK, DUAL	T.I.
M38510/30109B2A	2(2)	54LS109A	FLIP-FLOP, JK, DUAL	T.I.
M38510/30109BFA	1(0)	JD54LS109BFA	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/30109BEA	1(0)	JD54LS109BEA	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/30110BEA	1(<2)	54LS76A	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	T.I.
M38510/30110BFA	1(<2)	54LS76A	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	T.I.
M38510/30110BEA	1(0)	54LS76A/BEAJC	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	MOTOROLA
M38510/30110BFA	1(0)	54LS76A/BFAJC	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	MOTOROLA
M38510/30201BCA	1(0)	54LS40/BCAJC	BUFFER/DRIVER, NAND, DUAL 4-INPUT	MOTOROLA
M38510/30201BDA	1(0)	54LS40/BDAJC	BUFFER/DRIVER, NAND, DUAL 4-INPUT	MOTOROLA
M38510/30202BDA	1(0)	54LS37/BDAJC	BUFFER/DRIVER, NAND, QUAD 2-INPUT	MOTOROLA
M38510/30202BCA	1(0)	54LS37/BCAJC	BUFFER/DRIVER, NAND, QUAD 2-INPUT	MOTOROLA
M38510/30203BCA	1(0)	54LS38/BCAJC	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
M38510/30203BDA	1(0)	54LS38/BDAJC	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OPEN-COLLECTOR OUTPUTS	
M38510/30203B2A	1(.5)	54LS38	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/30203BDA	1(0)	JD54LS38BDA	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30203B2A	1(1.2)	JD54LS38B2A	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30203BDA	1(.5)	54LS38	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/30203BCA	1(0)	JD54LS38BCA	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/30203BCA	1(.5)	54LS38	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/30203B2A	1(0)	54LS38M/B2AJC	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
M38510/30204BCA	1(0)	54LS28/BCAJC	BUFFER/DRIVER, NOR, QUAD 2-INPUT	MOTOROLA
M38510/30301BDA	1(0)	54LS02/BDAJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
M38510/30301B2A	3(4)	54LS02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/30301B2A	1(0)	JD54LS02B2A	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/30301BCA	1(0)	54LS02/BCAJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
M38510/30301BDA	3(4)	54LS02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/30301BCA	3(4)	54LS02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/30301BCA	1(0)	JD54LS02BCA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/30301BDA	1(0)	JD54LS02BDA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/30301B2A	1(0)	54LS02M/B2AJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
M38510/30302BDA	1(0)	54LS27/BDAJC	NOR GATE, TRIPLE 3-INPUT	MOTOROLA
M38510/30302BCA	1(0)	54LS27	NOR GATE, TRIPLE 3-INPUT	T.I.
M38510/30302BDA	1(0)	JD54LS27BDA	NOR GATE, TRIPLE 3-INPUT	NATIONAL
M38510/30302B2A	1(0)	JD54LS27B2A	NOR GATE, TRIPLE 3-INPUT	NATIONAL
M38510/30302SCA	1(0)	JD54LS27SCA	NOR GATE, TRIPLE 3-INPUT	NATIONAL
M38510/30302SDA	1(0)	JD54LS27SDA	NOR GATE, TRIPLE 3-INPUT	NATIONAL
M38510/30302BDA	1(0)	54LS27	NOR GATE, TRIPLE 3-INPUT	T.I.
M38510/30302BCA	1(0)	JD54LS27BCA	NOR GATE, TRIPLE 3-INPUT	NATIONAL
M38510/30302BCA	1(0)	54LS27/BCAJC	NOR GATE, TRIPLE 3-INPUT	MOTOROLA
M38510/30302B2A	1(0)	54LS27	NOR GATE, TRIPLE 3-INPUT	T.I.
M38510/30303BCA	1(0)	54LS266/BCAJC	EXCLUSIVE-NOR GATE, QUAD 2-INPUT	MOTOROLA
M38510/30401BCA	1(0)	54LS51	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
M38510/30401BCA	1(0)	JD54LS51BCA	AND-OR-INVERT GATE, DUAL 2-WIDE	NATIONAL
M38510/30401B2A	1(0)	JD54LS51B2A	AND-OR-INVERT GATE, DUAL 2-WIDE	NATIONAL
M38510/30401BDA	1(0)	54LS51	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
M38510/30401B2A	1(0)	54LS51	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/30401BCA	1(0)	54LS51/BCAJC	AND-OR-INVERT GATE, DUAL 2-WIDE	MOTOROLA
M38510/30401BDA	1(0)	54LS51/BDAJC	AND-OR-INVERT GATE, DUAL 2-WIDE	MOTOROLA
M38510/30401BDA	1(0)	JD54LS51BDA	AND-OR-INVERT GATE, DUAL 2-WIDE	NATIONAL
M38510/30402BCA	1(0)	JD54LS54BCA	AND-OR-INVERT GATE	NATIONAL
M38510/30402B2A	1(0)	JD54LS54B2A	AND-OR-INVERT GATE	NATIONAL
M38510/30402BDA	1(0)	JD54LS54BDA	AND-OR-INVERT GATE	NATIONAL
M38510/30501B2A	1(0)	54LS32	OR GATE, QUAD 2-INPUT	T.I.
M38510/30501BCA	1(0)	JD54LS32BCA	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/30501BDA	1(0)	JD54LS32BDA	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/30501BDA	1(0)	54LS32/BDAJC	OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/30501B2A	1(0)	JD54LS32B2A	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/30501B2A	1(0)	54LS32M/B2AJC	OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/30501BCA	1(0)	54LS32	OR GATE, QUAD 2-INPUT	T.I.
M38510/30501BDA	1(0)	54LS32	OR GATE, QUAD 2-INPUT	T.I.
M38510/30501BCA	1(0)	54LS32/BCAJC	OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/30502B2A	1(0)	JD54LS86B2A	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/30502BDA	1(0)	54LS86/BDAJC	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/30502BDA	1(0)	54LS86A	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
M38510/30502SCA	1(0)	JD54LS86SCA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/30502BCA	1(0)	54LS86A	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
M38510/30502SDA	1(0)	JD54LS86SDA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/30502BCA	1(0)	JD54LS86BCA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/30502B2A	1(0)	54LS86A	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
M38510/30502BCA	1(0)	54LS86/BCAJC	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/30502BDA	1(0)	JD54LS86BDA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/30502B2A	1(0)	54LS86M/B2AJC	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/30601BEA	1(0)	JD54LS194BEA	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
M38510/30601BFA	1(<2)	54LS194A	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
M38510/30601B2A	1(<2)	54LS194A	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
M38510/30601BFA	1(0)	JD54LS194BFA	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
M38510/30601BFA	1(0)	54LS194A/BFAJC	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	MOTOROLA
M38510/30601SEA	1(0)	JD54LS194SEA	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
M38510/30601BEA	1(0)	54LS194A/BEAJC	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	MOTOROLA
M38510/30601SFA	1(0)	JD54LS194SFA	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
M38510/30601BEA	1(<2)	54LS194A	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
M38510/30601B2A	1(0)	JD54LS194B2A	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
M38510/30602B2A	1(<2)	54LS195A	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/30602BFA	1(<2)	54LS195A	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	T.I.
M38510/30602BEA	1(<2)	54LS195A	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	T.I.
M38510/30602BFA	1(0)	54LS195A/BFAJC	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	MOTOROLA
M38510/30602BEA	1(0)	54LS195A/BEAJC	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	MOTOROLA
M38510/30603BCA	1(<2)	54LS95B	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	T.I.
M38510/30604BEA	1(<2)	54LS96	SHIFT REGISTER, 5-BIT	T.I.
M38510/30605B2A	1(0)	JD54LS164B2A	SHIFT REGISTER, 8-BIT PARALLEL-OUT	NATIONAL
M38510/30605BCA	1(0)	JD54LS164BCA	SHIFT REGISTER, 8-BIT PARALLEL-OUT	NATIONAL
M38510/30605B2A	1(0)	54LS164M/B2AJC	SHIFT REGISTER, 8-BIT PARALLEL-OUT	MOTOROLA
M38510/30605BCA	1(0)	54LS164/BCAJC	SHIFT REGISTER, 8-BIT PARALLEL-OUT	MOTOROLA
M38510/30605BDA	1(0)	54LS164/BDAJC	SHIFT REGISTER, 8-BIT PARALLEL-OUT	MOTOROLA
M38510/30605BDA	1(<2)	54LS164	SHIFT REGISTER, 8-BIT PARALLEL-OUT	T.I.
M38510/30605BCA	1(<2)	54LS164	SHIFT REGISTER, 8-BIT PARALLEL-OUT	T.I.
M38510/30605B2A	1(<2)	54LS164	SHIFT REGISTER, 8-BIT PARALLEL-OUT	T.I.
M38510/30605SDA	1(0)	JD54LS164SDA	SHIFT REGISTER, 8-BIT PARALLEL-OUT	NATIONAL
M38510/30605BDA	1(0)	JD54LS164BDA	SHIFT REGISTER, 8-BIT PARALLEL-OUT	NATIONAL
M38510/30605SCA	1(0)	JD54LS164SCA	SHIFT REGISTER, 8-BIT PARALLEL-OUT	NATIONAL
M38510/30607B2A	1(<2)	54LS395A	SHIFT REGISTER, 4-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
M38510/30607BEA	1(<2)	54LS395A	SHIFT REGISTER, 4-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
M38510/30608BEA	1(0)	54LS165/BEAJC	SHIFT REGISTER, 8-BIT PARALLEL LOAD	MOTOROLA
M38510/30608BFA	1(0)	54LS165/BFAJC	SHIFT REGISTER, 8-BIT PARALLEL LOAD	MOTOROLA
M38510/30608B2A	1(0)	54LS165M/B2AJC	SHIFT REGISTER, 8-BIT PARALLEL LOAD	MOTOROLA
M38510/30608BFA	1(<2)	54LS165A	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
M38510/30608BEA	1(<2)	54LS165A	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
M38510/30608B2A	1(<2)	54LS165A	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
M38510/30609B2A	1(<2)	54LS166A	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	T.I.
M38510/30609BFA	1(0)	54LS166/BFAJC	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	MOTOROLA
M38510/30609BFA	1(<2)	54LS166A	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	T.I.
M38510/30609BEA	1(0)	54LS166/BEAJC	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	MOTOROLA
M38510/30609BEA	1(<2)	54LS166A	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	T.I.
M38510/30701BEA	1(0)	54LS138/BEAJC	DECODER, 3-TO-8-LINE	MOTOROLA
M38510/30701BEA	1(1)	54LS138	DECODER, 3-TO-8-LINE	T.I.
M38510/30701BFA	1(0)	JD54LS138BFA	DECODER, 3-TO-8-LINE	NATIONAL
M38510/30701B2A	1(0)	JD54LS138B2A	DECODER, 3-TO-8-LINE	NATIONAL
M38510/30701SEA	1(0)	JD54LS138SEA	DECODER, 3-TO-8-LINE	NATIONAL
M38510/30701BFA	1(0)	54LS138/BFAJC	DECODER, 3-TO-8-LINE	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/30701SFA	1(0)	JD54LS138SFA	DECODER, 3-TO-8-LINE	NATIONAL
M38510/30701B2A	1(1)	54LS138	DECODER, 3-TO-8-LINE	T.I.
M38510/30701B2A	1(0)	54LS138M/B2AJC	DECODER, 3-TO-8-LINE	MOTOROLA
M38510/30701BEA	1(0)	JD54LS138BEA	DECODER, 3-TO-8-LINE	NATIONAL
M38510/30701BFA	1(1)	54LS138	DECODER, 3-TO-8-LINE	T.I.
M38510/30702BEA	1(1)	54LS139A	DECODER, DUAL 2-TO-4-LINE	T.I.
M38510/30702SEA	1(0)	JD54LS139SEA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/30702BEA	1(0)	JD54LS139BEA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/30702BEA	1(0)	54LS139/BEAJC	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
M38510/30702BFA	1(0)	54LS139/BFAJC	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
M38510/30702B2A	1(0)	54LS139M/B2AJC	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
M38510/30702BFA	1(1)	54LS139A	DECODER, DUAL 2-TO-4-LINE	T.I.
M38510/30702SFA	1(0)	JD54LS139SFA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/30702BFA	1(0)	JD54LS139BFA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/30702B2A	1(1)	54LS139A	DECODER, DUAL 2-TO-4-LINE	T.I.
M38510/30702B2A	1(0)	JD54LS139B2A	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/30703B2A	1(0)	JD54LS42B2A	DECODER, BCD-TO-DECIMAL	NATIONAL
M38510/30703SEA	1(0)	JD54LS42SEA	DECODER, BCD-TO-DECIMAL	NATIONAL
M38510/30703BFA	1(0)	JD54LS42BFA	DECODER, BCD-TO-DECIMAL	NATIONAL
M38510/30703BFA	1(0)	54LS42A/BFAJC	DECODER, BCD-TO-DECIMAL	MOTOROLA
M38510/30703BEA	1(0)	54LS42A/BEAJC	DECODER, BCD-TO-DECIMAL	MOTOROLA
M38510/30703BEA	1(0)	JD54LS42BEA	DECODER, BCD-TO-DECIMAL	NATIONAL
M38510/30703SFA	1(0)	JD54LS42SFA	DECODER, BCD-TO-DECIMAL	NATIONAL
M38510/30704BEA	1(0)	54LS47/BEAJC	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
M38510/30801BJA	1(0)	54LS181/BJAJC	ALU/FUNCTION GENERATOR, 4-BIT	MOTOROLA
M38510/30801BKA	1(0)	54LS181/BKAJC	ALU/FUNCTION GENERATOR, 4-BIT	MOTOROLA
M38510/30901B2A	1(<2)	54LS151	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
M38510/30901BFA	1(<2)	54LS151	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
M38510/30901BEA	1(<2)	54LS151	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
M38510/30901B2A	1(0)	JD54LS151B2A	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/30901BFA	1(0)	54LS151/BFAJC	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
M38510/30901B2A	1(0)	54LS151M/B2AJC	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
M38510/30901BEA	1(0)	JD54LS151BEA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/30901BEA	1(0)	54LS151/BEAJC	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
M38510/30901BFA	1(0)	JD54LS151BFA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/30902B2A	1(0)	JD54LS153B2A	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/30902SFA	1(0)	JD54LS153SFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/30902SEA	1(0)	JD54LS153SEA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/30902BEA	1(0)	54LS153/BEAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
M38510/30902BFA	1(0)	54LS153/BFAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
M38510/30902BEA	1(1)	54LS153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
M38510/30902B2A	1(1)	54LS153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
M38510/30902BFA	1(1)	54LS153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
M38510/30902B2A	1(0)	54LS153M/B2AJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
M38510/30902BEA	1(0)	JD54LS153BEA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/30902BFA	1(0)	JD54LS153BFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/30903B2A	1(0)	JD54LS157B2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/30903B2A	1(0)	54LS157M/B2AJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
M38510/30903SEA	1(0)	JD54LS157SEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/30903B2A	2(2)	54LS157	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
M38510/30903BFA	1(0)	54LS157/BFAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
M38510/30903BFA	1(0)	JD54LS157BFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/30903BEA	2(2)	54LS157	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
M38510/30903BEA	1(0)	54LS157/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
M38510/30903SFA	1(0)	JD54LS157SFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/30903BFA	2(2)	54LS157	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
M38510/30903BEA	1(0)	JD54LS157BEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/30904BEA	1(0)	JD54LS158BEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	NATIONAL
M38510/30904BFA	1(0)	JD54LS158BFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	NATIONAL
M38510/30904BEA	1(0)	54LS158/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	MOTOROLA
M38510/30904B2A	1(0)	JD54LS158B2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	NATIONAL
M38510/30904SFA	1(0)	JD54LS158SFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	NATIONAL
M38510/30904SEA	1(0)	JD54LS158SEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	NATIONAL
M38510/30905BFA	1(0)	JD54LS251BFA	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/30905B2A	1(<2)	54LS251	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
M38510/30905SEA	1(0)	JD54LS251SEA	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/30905BFA	1(<2)	54LS251	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
M38510/30905BEA	1(<2)	54LS251	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
M38510/30905B2A	1(0)	JD54LS251B2A	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/30905BEA	1(0)	JD54LS251BEA	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/30905SFA	1(0)	JD54LS251SFA	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
M38510/30905BEA	1(0)	54LS251/BEAJC	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/30905BFA	1(0)	54LS251/BFAJC	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/30906BFA	1(0)	54LS257A/BFAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	MOTOROLA
M38510/30906BEA	3(4)	54LS257B	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	T.I.
M38510/30906B2A	1(0)	54LS257AM/B2AJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	MOTOROLA
M38510/30906B2A	1(0)	JD54LS257B2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	NATIONAL
M38510/30906BEA	1(0)	54LS257A/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	MOTOROLA
M38510/30906BFA	3(4)	54LS257B	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	T.I.
M38510/30906B2A	3(4)	54LS257B	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	T.I.
M38510/30906BEA	1(0)	JD54LS257BBEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	NATIONAL
M38510/30907B2A	2(2)	54LS258B	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	T.I.
M38510/30907BEA	2(2)	54LS258B	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	T.I.
M38510/30907BFA	2(2)	54LS258B	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	T.I.
M38510/30907BEA	1(0)	JD54LS258BEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	NATIONAL
M38510/30907BFA	1(0)	JD54LS258BFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3 STATE OUTPUTS, WITH ENABLE	NATIONAL
M38510/30907BEA	1(0)	54LS258A/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	MOTOROLA
M38510/30907B2A	1(0)	JD54LS258B2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	NATIONAL
M38510/30908BFA	1(<2)	54LS253	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
M38510/30908BEA	1(<2)	54LS253	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
M38510/30908BFA	1(0)	54LS253/BFAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/30908SFA	1(0)	JD54LS253SFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/30908B2A	1(0)	JD54LS253B2A	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/30908B2A	1(<2)	54LS253	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
M38510/30908BEA	1(0)	54LS253/BEAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/30908SEA	1(0)	JD54LS253SEA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
M38510/30908BFA	1(0)	JD54LS253BFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/30908BEA	1(0)	JD54LS253BEA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/30909BEA	1(0)	54LS298/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	MOTOROLA
M38510/30909BFA	1(0)	54LS298/BFAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	MOTOROLA
M38510/31001BCA	1(0)	JD54LS11BCA	AND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/31001BCA	1(0)	54LS11/BCAJC	AND GATE, TRIPLE 3-INPUT	MOTOROLA
M38510/31001BDA	1(0)	54LS11/BDAJC	AND GATE, TRIPLE 3-INPUT	MOTOROLA
M38510/31001BCA	1(0)	54LS11	AND GATE, TRIPLE 3-INPUT	T.I.
M38510/31001B2A	1(0)	54LS11	AND GATE, TRIPLE 3-INPUT	T.I.
M38510/31001BDA	1(0)	54LS11	AND GATE, TRIPLE 3-INPUT	T.I.
M38510/31001SDA	1(0)	JD54LS11SDA	AND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/31001B2A	1(0)	JD54LS11B2A	AND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/31001BDA	1(0)	JD54LS11BDA	AND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/31001SCA	1(0)	JD54LS11SCA	AND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/31002BCA	1(0)	54LS15/BCAJC	AND GATE, TRIPLE 3-INPUT, WITH OPEN-COLLECTOR INPUTS	MOTOROLA
M38510/31003BDA	1(0)	54LS21/BDAJC	AND GATE, DUAL 4-INPUT	MOTOROLA
M38510/31003SCA	1(0)	JD54LS21SCA	AND GATE, DUAL 4-INPUT	NATIONAL
M38510/31003BDA	1(0)	54LS21	AND GATE, DUAL 4-INPUT	T.I.
M38510/31003BCA	1(0)	JD54LS21BCA	AND GATE, DUAL 4-INPUT	NATIONAL
M38510/31003BDA	1(0)	JD54LS21BDA	AND GATE, DUAL 4-INPUT	NATIONAL
M38510/31003SDA	1(0)	JD54LS21SDA	AND GATE, DUAL 4-INPUT	NATIONAL
M38510/31003B2A	1(0)	54LS21	AND GATE, DUAL 4-INPUT	T.I.
M38510/31003BCA	1(0)	54LS21/BCAJC	AND GATE, DUAL 4-INPUT	MOTOROLA
M38510/31003B2A	1(0)	JD54LS21B2A	AND GATE, DUAL 4-INPUT	NATIONAL
M38510/31003BCA	1(0)	54LS21	AND GATE, DUAL 4-INPUT	T.I.
M38510/31004BCA	1(0)	JD54LS08BCA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/31004BDA	1(1)	54LS08	AND GATE, QUAD 2-INPUT	T.I.
M38510/31004BCA	1(1)	54LS08	AND GATE, QUAD 2-INPUT	T.I.
M38510/31004B2A	1(0)	54LS08M/B2AJC	AND GATE, QUAD 2-INPUT	MOTOROLA
M38510/31004BDA	1(0)	JD54LS08BDA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/31004B2A	1(0)	JD54LS08B2A	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/31004BDA	1(0)	54LS08/BDAJC	AND GATE, QUAD 2-INPUT	MOTOROLA
M38510/31004B2A	1(1)	54LS08	AND GATE, QUAD 2-INPUT	T.I.
M38510/31004BCA	1(0)	54LS08/BCAJC	AND GATE, QUAD 2-INPUT	MOTOROLA
M38510/31005BDA	1(0)	54LS09/BDAJC	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/31005BCA	1(0)	54LS09/BCAJC	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
M38510/31101BFA	1(0)	54LS85	MAGNITUDE COMPARATOR, 4-BIT	T.I.
M38510/31101BEA	1(0)	54LS85	MAGNITUDE COMPARATOR, 4-BIT	T.I.
M38510/31101BEA	1(0)	JD54LS85BEA	MAGNITUDE COMPARATOR, 4-BIT	NATIONAL
M38510/31101BEA	1(0)	54LS85/BEAJC	MAGNITUDE COMPARATOR, 4-BIT	MOTOROLA
M38510/31101BFA	1(0)	54LS85/BFAJC	MAGNITUDE COMPARATOR, 4-BIT	MOTOROLA
M38510/31101B2A	1(0)	54LS85M/B2AJC	MAGNITUDE COMPARATOR, 4-BIT	MOTOROLA
M38510/31101B2A	1(0)	JD54LS85B2A	MAGNITUDE COMPARATOR, 4-BIT	NATIONAL
M38510/31101B2A	1(0)	54LS85	MAGNITUDE COMPARATOR, 4-BIT	T.I.
M38510/31101BFA	1(0)	JD54LS85BFA	MAGNITUDE COMPARATOR, 4-BIT	NATIONAL
M38510/31201B2A	1(0)	JD54LS83B2A	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL
M38510/31201BEA	1(0)	JD54LS83BEA	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL
M38510/31201BFA	1(0)	JD54LS83BFA	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL
M38510/31202BEA	1(0)	JD54LS283BEA	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL
M38510/31202BFA	1(.5)	54LS283	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
M38510/31202BFA	1(0)	JD54LS283BFA	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL
M38510/31202BEA	1(0)	54LS283/BEAJC	ADDER, 4-BIT FULL, WITH FAST CARRY	MOTOROLA
M38510/31202B2A	1(0)	JD54LS283B2A	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL
M38510/31202BEA	1(.5)	54LS283	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
M38510/31202B2A	1(.5)	54LS283	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
M38510/31301BCA	1(0)	54LS13/BCAJC	NAND GATE, DUAL 4-INPUT, SCHMITT TRIGGER	MOTOROLA
M38510/31302BCA	1(0)	54LS14/BCAJC	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
M38510/31302BCA	1(0)	54LS14/BCAJC	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
M38510/31302B2A	1(0)	54LS14M/B2AJC	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
M38510/31303BCA	1(0)	54LS132/BCAJC	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	MOTOROLA
M38510/31303BDA	1(0)	54LS132/BDAJC	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	MOTOROLA
M38510/31401BFA	1(1)	54LS123	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	T.I.
M38510/31401BFA	1(0)	54LS123/BFAJC	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	MOTOROLA
M38510/31401BEA	1(0)	54LS123/BEAJC	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	MOTOROLA
M38510/31401BEA	1(1)	54LS123	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	T.I.
M38510/31401B2A	1(0)	54LS123M/B2AJC	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	MOTOROLA
M38510/31401B2A	1(1)	54LS123	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	T.I.
M38510/31402B2A	1(1)	54LS221	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/31402BEA	1(1)	54LS221	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	T.I.
M38510/31402BFA	1(0)	54LS221/BFAJC	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	MOTOROLA
M38510/31402BFA	1(1)	54LS221	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	T.I.
M38510/31402BEA	1(0)	54LS221/BEAJC	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	MOTOROLA
M38510/31403BDA	1(0)	54LS122/BDAJC	MULTIVIBRATOR, MONOSTABLE RETRIGGERABLE, WITH CLEAR	MOTOROLA
M38510/31403BCA	1(0)	54LS122/BCAJC	MULTIVIBRATOR, MONOSTABLE RETRIGGERABLE, WITH CLEAR	MOTOROLA
M38510/31501BCA	1(<2)	54LS90	DECADE COUNTER, 4-BIT	T.I.
M38510/31502BCA	1(<2)	54LS93	DECADE COUNTER, 4-BIT	T.I.
M38510/31503B2A	2(2)	54LS160A	DECADE COUNTER, 4-BIT SYNCHRONOUS	T.I.
M38510/31503BEA	1(0)	54LS160A/BEAJC	DECADE COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
M38510/31503BEA	2(2)	54LS160A	DECADE COUNTER, 4-BIT SYNCHRONOUS	T.I.
M38510/31504BEA	1(0)	JD54LS161ABEA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/31504BFA	3(4)	54LS161A	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
M38510/31504BEA	1(0)	54LS161A/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
M38510/31504B2A	3(4)	54LS161A	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
M38510/31504BFA	1(0)	54LS161A/BFAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
M38510/31504B2A	1(0)	54LS161AM/B2AJC	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
M38510/31504BFA	1(.25)	JD54LS161ABFA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/31504BEA	3(4)	54LS161A	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
M38510/31504B2A	1(.25)	JD54LS161AB2A	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/31506BEA	1(0)	JD54LS169BEA	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
M38510/31507BEA	1(0)	54LS192/BEAJC	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH CLEAR ENABLE	MOTOROLA
M38510/31508BFA	3(4)	54LS193	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
M38510/31508BFA	1(0)	54LS193/BFAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	MOTOROLA
M38510/31508BEA	1(0)	JD54LS193BEA	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
M38510/31508BEA	1(0)	54LS193/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	MOTOROLA
M38510/31508B2A	1(0)	JD54LS193B2A	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
M38510/31508BEA	3(4)	54LS193	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
M38510/31508B2A	3(4)	54LS193	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
M38510/31508BFA	1(0)	JD54LS193BFA	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/31509BEA	1(0)	54LS191/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	MOTOROLA
M38510/31509B2A	1(0)	54LS191M/B2AJC	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	MOTOROLA
M38510/31509BFA	3(4)	54LS191	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	T.I.
M38510/31509BEA	3(4)	54LS191	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	T.I.
M38510/31509B2A	3(4)	54LS191	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	T.I.
M38510/31509BFA	1(0)	54LS191/BFAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	MOTOROLA
M38510/31510BCA	1(<2)	54LS92	COUNTER, DIVIDE-BY-12	T.I.
M38510/31511BEA	2	54LS162A/BEAJC	DECADE COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
M38510/31512B2A	2(2)	54LS163A	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
M38510/31512BEA	2(2)	54LS163A	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
M38510/31512BEA	1(0)	54LS163A/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
M38510/31512BFA	1(0)	54LS163A/BFAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
M38510/31512BFA	2(2)	54LS163A	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
M38510/31513BEA	1	54LS190/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH MODE CONTROL	MOTOROLA
M38510/31601BFA	1(0)	54LS75/BFAJC	LATCH, 4-BIT, BISTABLE	MOTOROLA
M38510/31601BFA	1(1)	54LS75	LATCH, 4-BIT, BISTABLE	T.I.
M38510/31601BEA	1(1)	54LS75	LATCH, 4-BIT, BISTABLE	T.I.
M38510/31601BEA	1(0)	54LS75/BEAJC	LATCH, 4-BIT, BISTABLE	MOTOROLA
M38510/31602BEA	1(0)	JD54LS279BEA	LATCH, RS, 4-BIT	NATIONAL
M38510/31602B2A	1(0)	54LS279M/B2AJC	LATCH, RS, 4-BIT	MOTOROLA
M38510/31602B2A	1(0)	JD54LS279B2A	LATCH, RS, 4-BIT	NATIONAL
M38510/31602BFA	1(0)	JD54LS279BFA	LATCH, RS, 4-BIT	NATIONAL
M38510/31602BEA	1(0)	54LS279/BEAJC	LATCH, RS, 4-BIT	MOTOROLA
M38510/31603B2A	1(0)	JD54LS259B2A	LATCH, 8-BIT ADDRESSABLE	NATIONAL
M38510/31603BEA	1(0)	54LS259/BEAJC	LATCH, 8-BIT ADDRESSABLE	MOTOROLA
M38510/31603BFA	1(0)	54LS259/BFAJC	LATCH, 8-BIT ADDRESSABLE	MOTOROLA
M38510/31603BFA	1(0)	JD54LS259BFA	LATCH, 8-BIT ADDRESSABLE	NATIONAL
M38510/31603BEA	1(0)	JD54LS259BEA	LATCH, 8-BIT ADDRESSABLE	NATIONAL
M38510/31604BEA	1(0)	54LS375/BEAJC	LATCH, 4-BIT, BISTABLE	MOTOROLA
M38510/31604BFA	1(0)	54LS375/BFAJC	LATCH, 4-BIT, BISTABLE	MOTOROLA
M38510/31605B2A	1(0)	54LS259B	LATCH, 8-BIT ADDRESSABLE	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/31605BEA	1(0)	54LS259B	LATCH, 8-BIT ADDRESSABLE	T.I.
M38510/31901BEA	1(0)	JD54LS670BEA	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	NATIONAL
M38510/31901BEA	1(0)	54LS670/BEAJC	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	MOTOROLA
M38510/31901B2A	1(0)	54LS670M/B2AJC	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	MOTOROLA
M38510/31901BFA	1(0)	54LS670/BFAJC	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	MOTOROLA
M38510/32003BCA	1(0)	54LS290	DECADE COUNTER, 4-BIT	T.I.
M38510/32003B2A	1(0)	54LS290	DECADE COUNTER, 4-BIT	T.I.
M38510/32004BCA	1(1)	54LS293	BINARY COUNTER, 4-BIT	T.I.
M38510/32004B2A	1(1)	54LS293	BINARY COUNTER, 4-BIT	T.I.
M38510/32102BCA	1(<2)	54LS26	NAND GATE, QUAD 2-INPUT, HIGH-VOLTAGE, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/32102BCA	1(0)	54LS26/BCAJC	NAND GATE, QUAD 2-INPUT, HIGH-VOLTAGE, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
M38510/32102B2A	1(<2)	54LS26	NAND GATE, QUAD 2-INPUT, HIGH-VOLTAGE, WITH OPEN-COLLECTOR OUTPUTS	T.I.
M38510/32201BFA	1(<2)	54LS365A	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32201BEA	1(0)	54LS365A/BEAJC	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32201BEA	1(0)	JD54LS365ABEA	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32201BEA	1(<2)	54LS365A	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32201BFA	1(0)	JD54LS365ABFA	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32201B2A	1(<2)	54LS365A	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32201BFA	1(0)	54LS365A/BFAJC	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32201B2A	1(0)	JD54LS365B2A	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32202BEA	1(0)	JD54LS366BEA	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32202B2A	1(0)	JD54LS366B2A	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32202BEA	1(0)	54LS366A/BEAJC	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32202BFA	1(0)	JD54LS366BFA	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32203B2A	1(0)	54LS367A	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32203BEA	1(0)	JD54LS367ABEA	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32203B2A	1(0)	JD54LS367B2A	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32203BFA	1(0)	54LS367A/BFAJC	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/32203BFA	1(0)	54LS367A	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32203BFA	1(0)	JD54LS367ABFA	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32203BEA	1(0)	54LS367A	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32203BEA	1(0)	54LS367A/BEAJC	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32204BEA	1(0)	54LS368A/BEAJC	BUS DRIVER, HEX	MOTOROLA
M38510/32204BFA	1(0)	JD54LS368ABFA	BUS DRIVER, HEX	NATIONAL
M38510/32204B2A	1(0)	JD54LS368B2A	BUS DRIVER, HEX	NATIONAL
M38510/32204BEA	1(0)	JD54LS368ABEA	BUS DRIVER. HEX	NATIONAL
M38510/32301BCA	1	54LS125A/BCAJC	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32301BDA	1(0)	54LS125A	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32301BCA	1(0)	54LS125A	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32301B2A	1	54LS125AM/B2AJC	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32301BDA	1	54LS125A/BDAJC	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32301B2A	1(0)	54LS125A	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32401BSA	1(0)	54LS240/BSAJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32401BSA	1(0)	JD54LS240BSA	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32401BRA	1(.5)	54LS240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32401BRA	1(0)	JD54LS240BRA	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32401B2A	1(.5)	54LS240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32401B2A	1(0)	JD54LS240B2A	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32401B2A	1(0)	54LS240M/B2AJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32401BRA	1(0)	54LS240/BRAJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32401BFA	1(.5)	54LS240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32402BRA	1(0)	JD54LS241BRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32402BFA	1(0)	54LS241	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32402BRA	1(0)	54LS241/BRAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/32402BSA	1(0)	JD54LS241BSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32402B2A	1(0)	54LS241	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32402B2A	1(0)	JD54LS241B2A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32402BRA	1(0)	54LS241	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32403B2A	1(.5)	54LS244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32403B2A	1(0)	54LS244M/B2AJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32403BRA	1(.5)	54LS244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32403BSA	1(0)	54LS244/BSAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32403BFA	1(.5)	54LS244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32403BRA	1(0)	JD54LS244BRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32403BRA	1(0)	54LS244/BRAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32403B2A	1(0)	JD54LS244B2A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32403BSA	1(0)	JD54LS244BSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32403SSA	1(0)	JD54LS244SSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32403SRA	1(0)	JD54LS244SRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/32404B2A	1(<2)	54LS540	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32404BRA	1(<2)	54LS540	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32405B2A	1(<2)	54LS541	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32405BRA	1(<2)	54LS541	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/32501B2A	1(0)	54LS273M/B2AJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
M38510/32501BRA	1(0)	54LS273/BRAJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
M38510/32501BSA	1(0)	54LS273/BSAJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
M38510/32501BSA	1(0)	JD54LS273BSA	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
M38510/32501B2A	1(0)	JD54LS273B2A	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
M38510/32501B2A	1(<2)	54LS273	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
M38510/32501BRA	1(0)	JD54LS273BRA	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
M38510/32501BRA	1(<2)	54LS273	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
M38510/32501BSA	1(<2)	54LS273	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/32502BSA	1(.5)	54LS373	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/32502BRA	1(.5)	54LS373	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/32502B2A	1(.5)	54LS373	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/32502BSA	1(0)	54LS373/BSAJC	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32502B2A	1(0)	54LS373M/B2AJC	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32502BRA	1(0)	54LS373/BRAJC	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32503BSA	1(0)	54LS374/BSAJC	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32503BRA	1(0)	54LS374/BRAJC	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32503BSA	1(.5)	54LS374	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
M38510/32503BRA	1(.5)	54LS374	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
M38510/32503B2A	1(0)	54LS374M/B2AJC	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32503B2A	1(.5)	54LS374	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
M38510/32504BRA	1(0)	54LS377/BRAJC	FLIP-FLOP, D-TYPE, 8-BIT	MOTOROLA
M38510/32504B2A	1(<2)	54LS377	FLIP-FLOP, D-TYPE, 8-BIT	T.I.
M38510/32504BRA	1(<2)	54LS377	FLIP-FLOP, D-TYPE, 8-BIT	T.I.
M38510/32504BSA	1(0)	54LS377/BSAJC	FLIP-FLOP, D-TYPE, 8-BIT	MOTOROLA
M38510/32601BEA	1(0)	54LS155/BEAJC	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
M38510/32701B2A	1(.5)	54LS390	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	T.I.
M38510/32701BEA	1(.5)	54LS390	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	T.I.
M38510/32702B2A	1(0)	54LS393M/B2AJC	BINARY COUNTER, DUAL 4-BIT	MOTOROLA
M38510/32702BCA	1(0)	54LS393/BCAJC	BINARY COUNTER, DUAL 4-BIT	MOTOROLA
M38510/32702BCA	1(0)	54LS393	BINARY COUNTER, DUAL 4-BIT	T.I.
M38510/32702BDA	1(0)	54LS393	BINARY COUNTER, DUAL 4-BIT	T.I.
M38510/32702BDA	1(0)	54LS393/BDAJC	BINARY COUNTER, DUAL 4-BIT	MOTOROLA
M38510/32702B2A	1(0)	54LS393	BINARY COUNTER, DUAL 4-BIT	T.I.
M38510/32801BCA	1(0)	54LS242/BCAJC	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32801BDA	1(0)	54LS242/BDAJC	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32802BCA	1(0)	54LS243/BCAJC	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32802BDA	1(0)	54LS243/BDAJC	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32803BSA	1(0)	54LS245/BSAJC	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32803B2A	1(1)	54LS245	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/32803BRA	1(0)	54LS245/BRAJC	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/32803BSA	1(1)	54LS245	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/32803B2A	1(0)	54LS245M/B2AJC	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/32803BRA	1(1)	54LS245	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/32901BCA	1(0)	54LS280	PARITY GENERATOR/CHECKER, 9-BIT	T.I.
M38510/32901B2A	1(0)	54LS280	PARITY GENERATOR/CHECKER, 9-BIT	T.I.
M38510/32901BDA	1(0)	54LS280/BDAJC	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
M38510/32901BDA	1(0)	54LS280	PARITY GENERATOR/CHECKER, 9-BIT	T.I.
M38510/32901BCA	1(0)	54LS280/BCAJC	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
M38510/32901B2A	1(0)	54LS280M/B2AJC	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
M38510/33001SDA	1(0)	JD54F00SDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/33001SCA	1(0)	JD54F00SCA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/33001B2A	1(0)	JD54F00B2A	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/33001BDA	1(0)	JD54F00BDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/33001B2A	3(4)	54F00	NAND GATE, QUAD 2-INPUT	T.I.
M38510/33001BDA	3(4)	54F00	NAND GATE, QUAD 2-INPUT	T.I.
M38510/33001B2A	1(0)	54F00M/B2AJC	NAND GATE, QUAD 2-INPUT	MOTOROLA
M38510/33001BDA	1(0)	54F00/BDAJC	NAND GATE, QUAD 2-INPUT	MOTOROLA
M38510/33001BCA	1(0)	54F00/BCAJC	NAND GATE, QUAD 2-INPUT	MOTOROLA
M38510/33001BCA	1(0)	JD54F00BCA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/33001BCA	3(4)	54F00	NAND GATE, QUAD 2-INPUT	T.I.
M38510/33002BDA	1(0)	JD54F04BDA	HEX INVERTER	NATIONAL
M38510/33002SDA	1(0)	JD54F04SDA	HEX INVERTER	NATIONAL
M38510/33002BDA	2(2)	54F04	HEX INVERTER	T.I.
M38510/33002BCA	1(0)	JD54F04BCA	HEX INVERTER	NATIONAL
M38510/33002B2A	2(2)	54F04	HEX INVERTER	T.I.
M38510/33002B2A	1(0)	54F04M/B2AJC	HEX INVERTER	MOTOROLA
M38510/33002BCA	2(2)	54F04	HEX INVERTER	T.I.
M38510/33002BDA	1(0)	54F04/BDAJC	HEX INVERTER	MOTOROLA
M38510/33002SCA	1(0)	JD54F04SCA	HEX INVERTER	NATIONAL
M38510/33002BCA	1(0)	54F04/BCAJC	HEX INVERTER	MOTOROLA
M38510/33002B2A	1(0)	JD54F04B2A	HEX INVERTER	NATIONAL
M38510/33002B2A	2(2)	54F04	HEX INVERTER	T.I.
M38510/33003SDA	1(0)	JD54F10SDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/33003B2A	2(2)	54F10	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/33003BDA	1(0)	JD54F10BDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/33003BCA	1(0)	JD54F10BCA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/33003BCA	1(0)	54F10/BCAJC	NAND GATE, TRIPLE 3-INPUT	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/33003B2A	1(0)	JD54F10B2A	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/33003SCA	1(0)	JD54F10SCA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/33003BCA	2(2)	54F10	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/33003BDA	1(0)	54F10/BDAJC	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
M38510/33003BDA	2(2)	54F10	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/33003B2A	1(0)	54F10M/B2AJC	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
M38510/33004BCA	1(1)	54F20	NAND GATE, DUAL 4-INPUT	T.I.
M38510/33004BCA	1(0)	54F20/BCAJC	NAND GATE, DUAL 4-INPUT	MOTOROLA
M38510/33004SDA	1(0)	JD54F20SDA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/33004B2A	1(0)	54F20M/B2AJC	NAND GATE, DUAL 4-INPUT	MOTOROLA
M38510/33004B2A	1(0)	JD54F20B2A	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/33004BDA	1(0)	54F20/BDAJC	NAND GATE, DUAL 4-INPUT	MOTOROLA
M38510/33004BDA	1(1)	54F20	NAND GATE, DUAL 4-INPUT	T.I.
M38510/33004BCA	1(0)	JD54F20BCA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/33004SCA	1(0)	JD54F20SCA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/33004B2A	1(1)	54F20	NAND GATE, DUAL 4-INPUT	T.I.
M38510/33004BDA	1(0)	JD54F20BDA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/33201BSA	1(0)	54F240/BSAJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33201B2A	1(0)	54F240M/B2AJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33201B2A	2(2)	54F240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/33201BSA	2(2)	54F240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/33201B2A	2(2)	54F240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/33201BRA	2(2)	54F240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/33201BRA	1(0)	54F240/BRAJC	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33202B2A	1(0)	54F241M/B2AJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33202SRA	1(0)	JD54F241SRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33202BRA	1(0)	54F241/BRAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33202B2A	1(0)	JD54F241B2A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33202SSA	1(0)	JD54F241SSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33202BRA	2(2)	54F241	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/33202BSA	1(0)	JD54F241BSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
M38510/33202BRA	1(0)	JD54F241BRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33202B2A	2(2)	54F241	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/33202BSA	2(2)	54F241	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/33202BSA	1(0)	54F241/BSAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33203BSA	1(0)	JD54F244BSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33203B2A	2(2)	54F244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/33203B2A	1(0)	JD54F244B2A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33203SSA	1(0)	JD54F244SSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33203B2A	2(2)	54F244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/33203BSA	2(2)	54F244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/33203BRA	1(0)	JD54F244BRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33203BRA	2(2)	54F244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/33203SRA	1(0)	JD54F244SRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33203B2A	1(0)	54F244M/B2AJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33203BRA	1(0)	54F244/BRAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33203BSA	1(0)	54F244/BSAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33204BSA	1(0)	JD54F540BSA	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33204BRA	1(0)	JD54F540BRA	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33204B2A	1(0)	JD54F540B2A	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33301BCA	1(0)	JD54F02BCA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/33301BCA	2(2)	54F02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/33301B2A	2(2)	54F02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/33301SDA	1(0)	JD54F02SDA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/33301SCA	1(0)	JD54F02SCA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/33301B2A	1(0)	JD54F02B2A	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/33301BCA	1(0)	54F02/BCAJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
M38510/33301BDA	1(0)	JD54F02BDA	NOR GATE, QUAD 2-INPUT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/33301BDA	1(0)	54F02/BDAJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
M38510/33301B2A	1(0)	54F02M/B2AJC	NOR GATE, QUAD 2-INPUT	MOTOROLA
M38510/33301BDA	2(2)	54F02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/33401BCA	1(0)	54F64/BCAJC	AND-OR-INVERT GATE, 4-2-2-2 INPUT	MOTOROLA
M38510/33401BDA	1(0)	JD54F64BDA	AND-OR-INVERT GATE, 4-2-2-2 INPUT	NATIONAL
M38510/33401B2A	1(0)	JD54F64B2A	AND-OR-INVERT GATE, 4-2-2-2 INPUT	NATIONAL
M38510/33401SCA	1(0)	JD54F64SCA	AND-OR-INVERT GATE, 4-2-2-2 INPUT	NATIONAL
M38510/33401SDA	1(0)	JD54F64SDA	AND-OR-INVERT GATE, 4-2-2-2 INPUT	NATIONAL
M38510/33401BDA	1(0)	54F64/BDAJC	AND-OR-INVERT GATE, 4-2-2-2 INPUT	MOTOROLA
M38510/33401BCA	1(0)	JD54F64BCA	AND-OR-INVERT GATE, 4-2-2-2 INPUT	NATIONAL
M38510/33401B2A	1(0)	54F64M/B2AJC	AND-OR-INVERT GATE, 4-2-2-2 INPUT	MOTOROLA
M38510/33501BDA	1(0)	JD54F32BDA	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/33501B2A	1(0)	54F32M/B2AJC	OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/33501SCA	1(0)	JD54F32SCA	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/33501BCA	1(0)	54F32/BCAJC	OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/33501BCA	1(0)	JD54F32BCA	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/33501BDA	1(0)	54F32/BDAJC	OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/33501SDA	1(0)	JD54F32SDA	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/33501B2A	1(0)	JD54F32B2A	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/33601BEA	1(0)	54F194/BEAJC	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	MOTOROLA
M38510/33601B2A	1(0)	54F194M/B2AJC	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	MOTOROLA
M38510/33601BFA	1(0)	54F194/BFAJC	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	MOTOROLA
M38510/33601BEA	1(0)	JD54F194BEA	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	NATIONAL
M38510/33601B2A	1(0)	JD54F194B2A	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	NATIONAL
M38510/33601BFA	1(0)	JD54F194BFA	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	NATIONAL
M38510/33701SFA	1(0)	JD54F138SFA	DECODER, 3-TO-8-LINE	NATIONAL
M38510/33701BFA	1(0)	JD54F138BFA	DECODER, 3-TO-8-LINE	NATIONAL
M38510/33701B2A	1(0)	JD54F138B2A	DECODER, 3-TO-8-LINE	NATIONAL
M38510/33701SEA	1(0)	JD54F138SEA	DECODER, 3-TO-8-LINE	NATIONAL
M38510/33701B2A	1(0)	54F138M/B2AJC	DECODER, 3-TO-8-LINE	MOTOROLA
M38510/33701BEA	2(2)	54F138	DECODER, 3-TO-8-LINE	T.I.
M38510/33701B2A	2(2)	54F138	DECODER, 3-TO-8-LINE	T.I.
M38510/33701BFA	2(2)	54F138	DECODER, 3-TO-8-LINE	T.I.
M38510/33701BFA	1(0)	54F138/BFAJC	DECODER, 3-TO-8-LINE	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/33701BEA	1(0)	JD54F138BEA	DECODER, 3-TO-8-LINE	NATIONAL
M38510/33701BEA	1(0)	54F138/BEAJC	DECODER, 3-TO-8-LINE	MOTOROLA
M38510/33702SEA	1(0)	JD54F139SEA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/33702BEA	1(0)	54F139/BEAJC	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
M38510/33702BFA	1(0)	JD54F139BFA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/33702BFA	1(0)	54F139/BFAJC	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
M38510/33702BEA	1(0)	JD54F139BEA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/33702B2A	1(0)	JD54F139B2A	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/33702SFA	1(0)	JD54F139SFA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/33702B2A	1(0)	54F139M/B2AJC	DECODER. DUAL 2-TO-4-LINE	MOTOROLA
M38510/33801BLA	1(0)	JD54F181BLA	ALU/FUNCTION GENERATOR, 4-BIT	NATIONAL
M38510/33801BKA	1(0)	JD54F181BKA	ALU/FUNCTION GENERATOR, 4-BIT	NATIONAL
M38510/33802BEA	1(0)	JD54F182BEA	LOOK AHEAD CARRY GENERATOR	NATIONAL
M38510/33802B2A	1(0)	JD54F182B2A	LOOK AHEAD CARRY GENERATOR	NATIONAL
M38510/33802BEA	1(0)	54F182/BEAJC	LOOK AHEAD CARRY GENERATOR	MOTOROLA
M38510/33802BFA	1(0)	54F182/BFAJC	LOOK AHEAD CARRY GENERATOR	MOTOROLA
M38510/33802BFA	1(0)	JD54F182BFA	LOOK AHEAD CARRY GENERATOR	NATIONAL
M38510/33802B2A	1(0)	54F182M/B2AJC	LOOK AHEAD CARRY GENERATOR	MOTOROLA
M38510/33803B2A	1(0)	54F381M/B2AJC	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
M38510/33803BSA	1(0)	54F381/BSAJC	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
M38510/33803BRA	1(0)	54F381/BRAJC	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
M38510/33804B2A	1(0)	54F382M/B2AJC	ALU/FUNCTION GENERATOR, 4-BIT	MOTOROLA
M38510/33804BRA	1(0)	54F382/BRAJC	ALU/FUNCTION GENERATOR, 4-BIT	MOTOROLA
M38510/33804BSA	1(0)	54F382/BSAJC	ALU/FUNCTION GENERATOR, 4-BIT	MOTOROLA
M38510/33901BFA	1(0)	JD54F151BFA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/33901BFA	1(0)	54F151/BFAJC	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
M38510/33901B2A	1(0)	54F151M/B2AJC	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
M38510/33901SEA	1(0)	JD54F151SEA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/33901BEA	1(0)	JD54F151BEA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/33901SFA	1(0)	JD54F151SFA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/33901B2A	1(0)	JD54F151B2A	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/33901BEA	1(0)	54F151/BEAJC	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
M38510/33902SFA	1(0)	JD54F153SFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/33902BEA	1(0)	JD54F153BEA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/33902BFA	1(0)	54F153/BFAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
M38510/33902BFA	1(0)	JD54F153BFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/33902B2A	1(0)	54F153M/B2AJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/33902BEA	2(2)	54F153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
M38510/33902B2A	2(2)	54F153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
M38510/33902SEA	1(0)	JD54F153SEA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/33902B2A	1(0)	JD54F153B2A	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/33902BEA	1(0)	54F153/BEAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
M38510/33902BFA	2(2)	54F153	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
M38510/33903B2A	1(0)	54F157AM/B2AJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
M38510/33903B2A	1(0)	JD54F157B2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/33903SFA	1(0)	JD54F157SFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/33903BEA	1(0)	JD54F157BEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/33903BFA	1(0)	JD54F157BFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/33903BEA	1(0)	54F157A/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
M38510/33903BFA	1(0)	54F157A/BFAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
M38510/33903SEA	1(0)	JD54F157SEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/33904B2A	1(0)	54F158AM/B2AJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
M38510/33904BEA	1(0)	54F158A/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
M38510/33904BFA	1(0)	54F158A/BFAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
M38510/33904B2A	1(0)	JD54F158B2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/33904SEA	1(0)	JD54F158SEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/33904SFA	1(0)	JD54F158SFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/33904BFA	1(0)	JD54F158BFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/33904BEA	1(0)	JD54F158BEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/33905BFA	1(0)	JD54F251BFA	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33905SEA	1(0)	JD54F251SEA	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33905BEA	1(0)	JD54F251BEA	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33905B2A	1(0)	JD54F251B2A	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33905SFA	1(0)	JD54F251SFA	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33906B2A	1(0)	JD54F257B2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33906BEA	1(0)	JD54F257BEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33906SEA	1(0)	JD54F257SEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33906BFA	1(0)	JD54F257BFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33906SFA	1(0)	JD54F257SFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/33907BEA	1(0)	JD54F258BEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33907BFA	1(0)	JD54F258BFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33907SEA	1(0)	JD54F258SEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33907SFA	1(0)	JD54F258SFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33907B2A	1(0)	JD54F258B2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33908SFA	1(0)	JD54F253SFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33908BFA	1(0)	54F253/BFAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33908BEA	1(0)	54F253/BEAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33908SEA	1(0)	JD54F253SEA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33908B2A	1(0)	54F253M/B2AJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33908B2A	1(0)	JD54F253B2A	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33908BFA	1(0)	JD54F253BFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33908BEA	1(0)	JD54F253BEA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/33909B2A	1(0)	54F352M/B2AJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
M38510/33909BFA	1(0)	54F352/BFAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
M38510/33909BEA	1(0)	54F352/BEAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
M38510/33910BEA	1(0)	54F353/BEAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33910BFA	1(0)	54F353/BFAJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/33910B2A	1(0)	54F353M/B2AJC	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34001SCA	1(0)	JD54F08SCA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/34001B2A	1(0)	JD54F08B2A	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/34001BDA	1(0)	JD54F08BDA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/34001B2A	1(0)	54F08M/B2AJC	AND GATE, QUAD 2-INPUT	MOTOROLA
M38510/34001BDA	1(0)	54F08/BDAJC	AND GATE, QUAD 2-INPUT	MOTOROLA
M38510/34001BCA	1(0)	54F08/BCAJC	AND GATE, QUAD 2-INPUT	MOTOROLA
M38510/34001BCA	1(0)	JD54F08BCA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/34001SDA	1(0)	JD54F08SDA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/34002BCA	2(2)	54F11	AND GATE, QUAD 2-INPUT	T.I.
M38510/34002BDA	2(2)	54F11	AND GATE, QUAD 2-INPUT	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/34002B2A	2(2)	54F11	AND GATE, QUAD 2-INPUT	T.I.
M38510/34002B2A	1(0)	54F11M/B2AJC	AND GATE, QUAD 2-INPUT	MOTOROLA
M38510/34002SCA	1(0)	JD54F11SCA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/34002BDA	1(0)	54F11/BDAJC	AND GATE, QUAD 2-INPUT	MOTOROLA
M38510/34002BCA	1(0)	JD54F11BCA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/34002SDA	1(0)	JD54F11SDA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/34002BCA	1(0)	54F11/BCAJC	AND GATE, QUAD 2-INPUT	MOTOROLA
M38510/34002BDA	1(0)	JD54F11BDA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/34002B2A	1(0)	JD54F11B2A	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/34101B2A	1(0)	54F74M/B2AJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/34101BCA	1(0)	54F74/BCAJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/34101BDA	1(0)	JD54F74BDA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/34101BDA	1(0)	54F74/BDAJC	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
M38510/34101B2A	3(4)	54F74	FLIP-FLOP, D-TYPE, DUAL	T.I.
M38510/34101B2A	1(0)	JD54F74B2A	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/34101B2A	3(4)	54F74	FLIP-FLOP, D-TYPE, DUAL	T.I.
M38510/34101SDA	1(0)	JD54F74SDA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/34101BCA	1(0)	JD54F74BCA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/34101SCA	1(0)	JD54F74SCA	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
M38510/34101BCA	3(4)	54F74	FLIP-FLOP, D-TYPE, DUAL	T.I.
M38510/34101BDA	3(4)	54F74	FLIP-FLOP, D-TYPE, DUAL	T.I.
M38510/34102BEA	1(0)	54F109/BEAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/34102B2A	1(0)	54F109M/B2AJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/34102B2A	1(0)	JD54F109B2A	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/34102BEA	1(0)	JD54F109BEA	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/34102BFA	1(0)	54F109/BFAJC	FLIP-FLOP, JK, DUAL	MOTOROLA
M38510/34102BFA	1(0)	JD54F109BFA	FLIP-FLOP, JK, DUAL	NATIONAL
M38510/34104BFA	1(0)	JD54F175BFA	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
M38510/34104B2A	1(0)	54F175M/B2AJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
M38510/34104BEA	1(0)	54F175/BEAJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
M38510/34104BFA	1(0)	54F175/BFAJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
M38510/34104B2A	1(0)	JD54F175B2A	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
M38510/34104BEA	1(0)	JD54F175BEA	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
M38510/34105B2A	1(0)	54F374M/B2AJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34105B2A	1(0)	JD54F374B2A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34105BRA	1(0)	JD54F374BRA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34105BSA	1(0)	54F374/BSAJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/34105BRA	1(0)	54F374/BRAJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34105BSA	1(0)	JD54F374BSA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34106BSA	1(0)	JD54F534BSA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34106B2A	1(0)	54F534M/B2AJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34106BSA	1(0)	54F534/BSAJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34106BRA	1(0)	JD54F534BRA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34106BRA	1(0)	54F534/BRAJC	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34106B2A	1(0)	JD54F534B2A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34107SFA	1(0)	JD54F174SFA	FLIP-FLOP, D-TYPE, HEX	NATIONAL
M38510/34107B2A	1(0)	JD54F174B2A	FLIP-FLOP, D-TYPE, HEX	NATIONAL
M38510/34107BFA	1(0)	JD54F174BFA	FLIP-FLOP, D-TYPE, HEX	NATIONAL
M38510/34107BEA	1(0)	54F174/BEAJC	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
M38510/34107BFA	1(0)	54F174/BFAJC	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
M38510/34107B2A	1(0)	54F174M/B2AJC	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
M38510/34107BEA	1(0)	JD54F174BEA	FLIP-FLOP, D-TYPE, HEX	NATIONAL
M38510/34107SEA	1(0)	JD54F174SEA	FLIP-FLOP, D-TYPE, HEX	NATIONAL
M38510/34109B2A	1(0)	54F379M/B2AJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
M38510/34109BEA	1(0)	54F379/BEAJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
M38510/34109BFA	1(0)	54F379/BFAJC	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
M38510/34201BEA	2(2)	54F283	ADDER, 4-BIT FULL	T.I.
M38510/34201BFA	1(0)	JD54F283BFA	ADDER, 4-BIT FULL	NATIONAL
M38510/34201BEA	1(0)	JD54F283BEA	ADDER, 4-BIT FULL	NATIONAL
M38510/34201B2A	1(0)	JD54F283B2A	ADDER, 4-BIT FULL	NATIONAL
M38510/34201SFA	1(0)	JD54F283SFA	ADDER, 4-BIT FULL	NATIONAL
M38510/34201BFA	2(2)	54F283	ADDER, 4-BIT FULL	T.I.
M38510/34201BEA	1(0)	54F283/BEAJC	ADDER, 4-BIT FULL	MOTOROLA
M38510/34201SEA	1(0)	JD54F283SEA	ADDER, 4-BIT FULL	NATIONAL
M38510/34201B2A	2(2)	54F283	ADDER, 4-BIT FULL	T.I.
M38510/34201BFA	1(0)	54F283/BFAJC	ADDER, 4-BIT FULL	MOTOROLA
M38510/34201B2A	1(0)	54F283M/B2AJC	ADDER, 4-BIT FULL	MOTOROLA
M38510/34301BFA	1(0)	JD54F161BFA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/34301BEA	1(0)	JD54F161BEA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/34301B2A	1(0)	54F161AM/B2AJC	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
M38510/34301BEA	1(0)	54F161A/BEAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
M38510/34301BFA	1(0)	54F161A/BFAJC	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
M38510/34301SFA	1(0)	JD54F161SFA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/34301B2A	1(0)	JD54F161B2A	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/34301SEA	1(0)	JD54F161SEA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/34302BEA	1(0)	JD54F163BEA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/34302SFA	1(0)	JD54F163SFA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/34302B2A	1(0)	JD54F163B2A	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/34302BFA	1(0)	JD54F163BFA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/34302SEA	1(0)	JD54F163SEA	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
M38510/34304BFA	1(0)	JD54F193BFA	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
M38510/34304B2A	1(0)	JD54F193B2A	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
M38510/34304BEA	1(0)	JD54F193BEA	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
M38510/34401BEA	1(0)	JD54F160BEA	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
M38510/34401SFA	1(0)	JD54F160SFA	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
M38510/34401BFA	1(0)	JD54F160BFA	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
M38510/34401B2A	1(0)	JD54F160B2A	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
M38510/34401SEA	1(0)	JD54F160SEA	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
M38510/34404BFA	1(0)	JD54F192BFA	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
M38510/34404BEA	1(0)	JD54F192BFA	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
M38510/34404B2A	1(0)	JD54F192B2A	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
M38510/34501SCA	1(0)	JD54F86SCA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/34501BCA	1(0)	JD54F86BCA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/34501SDA	1(0)	JD54F86SDA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/34501BCA	1(0)	54F86/BCAJC	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/34501BDA	1(0)	54F86/BDAJC	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/34501B2A	1(0)	54F86M/B2AJC	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
M38510/34501BDA	1(0)	JD54F86BDA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/34501B2A	1(0)	JD54F86B2A	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/34601BSA	1(0)	54F373/BSAJC	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34601SRA	1(0)	JD54F373SRA	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34601B2A	1(0)	JD54F373B2A	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34601BSA	1(0)	JD54F373BSA	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34601BRA	1(0)	JD54F373BRA	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34601SSA	1(0)	JD54F373SSA	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34601BRA	1(0)	54F373/BRAJC	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34601B2A	1(0)	54F373M/B2AJC	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34602BRA	1(0)	54F533/BRAJC	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34602BSA	1(0)	54F533/BSAJC	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34602B2A	1(0)	54F533M/B2AJC	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/34602B2A	1(0)	JD54F533B2A	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34602BRA	1(0)	JD54F533BRA	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34602BSA	1(0)	JD54F533BSA	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34603BRA	1(0)	JD54F563BRA	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34603BSA	1(0)	JD54F563BSA	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34603B2A	1(0)	JD54F563B2A	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34604BSA	1(0)	JD54F573BSA	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34604BRA	1(0)	JD54F573BRA	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34604B2A	1(0)	JD54F573B2A	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/34701SRA	1(0)	JD54F521SRA	IDENTITY COMPARATOR, 8-BIT	NATIONAL
M38510/34701SSA	1(0)	JD54F521SSA	IDENTITY COMPARATOR, 8-BIT	NATIONAL
M38510/34701BRA	2(2)	54F521	IDENTITY COMPARATOR, 8-BIT	T.I.
M38510/34701BRA	1(0)	JD54F521BRA	IDENTITY COMPARATOR, 8-BIT	NATIONAL
M38510/34701BSA	1(0)	JD54F521BSA	IDENTITY COMPARATOR, 8-BIT	NATIONAL
M38510/34701B2A	1(0)	JD54F521B2A	IDENTITY COMPARATOR, 8-BIT	NATIONAL
M38510/34701BSA	2(2)	54F521	IDENTITY COMPARATOR, 8-BIT	T.I.
M38510/34701B2A	2(2)	54F521	IDENTITY COMPARATOR, 8-BIT	T.I.
M38510/34801BDA	1(0)	54F242/BDAJC	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34801BCA	1(0)	54F242/BCAJC	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34801B2A	1(0)	54F242M/B2AJC	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34802BCA	1(0)	54F243/BCAJC	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34802B2A	1(0)	54F243M/B2AJC	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34802BDA	1(0)	54F243/BDAJC	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/34803BSA	1(0)	54F245/BSAJC	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
M38510/34803BRA	1(0)	54F245/BRAJC	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
M38510/34803SRA	1(0)	JD54F245SRA	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	NATIONAL
M38510/34803SSA	1(0)	JD54F245SSA	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	NATIONAL
M38510/34803B2A	1(0)	JD54F245B2A	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	NATIONAL
M38510/34803B2A	1(0)	54F245M/B2AJC	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
M38510/34803BRA	1(0)	JD54F245BRA	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	NATIONAL
M38510/34803BSA	3(4)	54F245	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
M38510/34803BRA	3(4)	54F245	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
M38510/34803B2A	3(4)	54F245	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
M38510/34803BSA	1(0)	JD54F245BSA	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	NATIONAL
M38510/34901BDA	1(0)	54F280/BDAJC	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
M38510/34901BCA	1(0)	54F280/BCAJC	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
M38510/34901SCA	1(0)	JD54F280SCA	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
M38510/34901BDA	1(0)	JD54F280BDA	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
M38510/34901SDA	1(0)	JD54F280SDA	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
M38510/34901B2A	1(0)	JD54F280B2A	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
M38510/34901BCA	1(0)	JD54F280BCA	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
M38510/34901B2A	1(0)	54F280M/B2AJC	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
M38510/35001BRA	1(0)	54F398/BRAJC	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
M38510/35001SSA	1(0)	JD54F398SSA	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
M38510/35001BSA	1(0)	54F398/BSAJC	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
M38510/35001BSA	1(0)	JD54F398BSA	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
M38510/35001B2A	1(0)	JD54F398B2A	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
M38510/35001BRA	1(0)	JD54F398BRA	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
M38510/35001SRA	1(0)	JD54F398SRA	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
M38510/35001B2A	1(0)	54F398M/B2AJC	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
M38510/35002BFA	1(0)	JD54F399BFA	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
M38510/35002B2A	1(0)	54F399M/B2AJC	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
M38510/35002BEA	1(0)	JD54F399BEA	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
M38510/35002BFA	1(0)	54F399/BFAJC	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
M38510/35002BEA	1(0)	54F399/BEAJC	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
M38510/35002SEA	1(0)	JD54F399SEA	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
M38510/35002B2A	1(0)	JD54F399B2A	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
M38510/35002SFA	1(0)	JD54F399SFA	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
M38510/35101BFA	1(0)	JD54F365BFA	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/35101B2A	1(0)	JD54F365B2A	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/35101BEA	1(0)	JD54F365BEA	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/35202B2A	2(2.5)	JD54F38B2A	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/35202BCA	2(2.5)	JD54F38BCA	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
M38510/35202BDA	2(2.5)	JD54F38BDA	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OPEN-COLLECTOR OUTPUTS	
M38510/36001BEA	1(<2)	54LS148	PRIORITY ENCODER, 8-LINE-TO-3-LINE	T.I.
M38510/36001B2A	1(<2)	54LS148	PRIORITY ENCODER, 8-LINE-TO-3-LINE	T.I.
M38510/36002BEA	1(<2)	54LS348	PRIORITY ENCODER, 8-LINE-TO-3-LINE, TS	T.I.
M38510/36002B2A	1(<2)	54LS348	PRIORITY ENCODER, 8-LINE-TO-3-LINE, TS	T.I.
M38510/36101BEA	1(0)	54LS173A	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
M38510/36101B2A	1(0)	54LS173A	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
M38510/37001BCA	2(2)	54ALS00A	NAND GATE, QUAD 2-INPUT	T.I.
M38510/37001B2A	2(2)	54ALS00A	NAND GATE, QUAD 2-INPUT	T.I.
M38510/37002BCA	1(2)	54ALS10A	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/37002B2A	1(2)	54ALS10A	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/37003B2A	1(2)	54ALS20A	NAND GATE, DUAL 4-INPUT	T.I.
M38510/37003BCA	1(2)	54ALS20A	NAND GATE, DUAL 4-INPUT	T.I.
M38510/37004B2A	2(2)	54ALS30A	NAND GATE, 8-INPUT	T.I.
M38510/37004BCA	2(2)	54ALS30A	NAND GATE, 8-INPUT	T.I.
M38510/37005BEA	2(2)	54ALS133	NAND GATE, 13-INPUT	T.I.
M38510/37005B2A	2(2)	54ALS133	NAND GATE, 13-INPUT	T.I.
M38510/37006BCA	2(2)	54ALS04B	HEX INVERTER	T.I.
M38510/37006B2A	2(2)	54ALS04B	HEX INVERTER	T.I.
M38510/37101B2A	2(2)	54ALS74A	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED	T.I.
M38510/37101BCA	2(2)	54ALS74A	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED	T.I.
M38510/37102B2A	3(4)	54ALS109A	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE HIGH)	T.I.
M38510/37102BEA	3(4)	54ALS109A	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE HIGH)	T.I.
M38510/37103BEA	1(1)	54ALS112A	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE LOW)	T.I.
M38510/37103B2A	1(1)	54ALS112A	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE LOW)	T.I.
M38510/37104BRA	2(2)	54ALS574A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/37104B2A	2(2)	54ALS574A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/37201B2A	2(2)	54ALS174	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
M38510/37201BEA	2(2)	54ALS174	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
M38510/37202BEA	2(2)	54ALS175	FLIP-FLOP, D-TYPE, 4-BIT, WITH CLEAR	T.I.
M38510/37202B2A	2(2)	54ALS175	FLIP-FLOP, D-TYPE, 4-BIT, WITH CLEAR	T.I.
M38510/37203B2A	2(2)	54ALS373	FLIP-FLOP, D-TYPE, 8-BIT, WITH TRANSPARENT LATCH AND 3-STATE OUTPUTS	T.I.
M38510/37203BRA	2(2)	54ALS373	FLIP-FLOP, D-TYPE, 8-BIT, WITH TRANSPARENT LATCH AND 3-STATE OUTPUTS	T.I.
M38510/37204BRA	2(2)	54ALS374	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/37204B2A	2(2)	54ALS374	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
M38510/37301BCA	1(1)	54ALS02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/37301B2A	1(1)	54ALS02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/37302BCA	1(1)	54ALS27	NOR GATE, TRIPLE 3-INPUT	T.I.
M38510/37302B2A	1(1)	54ALS27	NOR GATE, TRIPLE 3-INPUT	T.I.
M38510/37401B2A	2(2)	54ALS08	AND GATE, QUAD 2-INPUT	T.I.
M38510/37401BCA	2(2)	54ALS08	AND GATE, QUAD 2-INPUT	T.I.
M38510/37402B2A	1(1)	54ALS11A	AND GATE, TRIPLE 3-INPUT	T.I.
M38510/37402BCA	1(1)	54ALS11A	AND GATE, TRIPLE 3-INPUT	T.I.
M38510/37501B2A	2(2)	54ALS32	OR GATE, QUAD 2-INPUT	T.I.
M38510/37501BCA	2(2)	54ALS32	OR GATE, QUAD 2-INPUT	T.I.
M38510/37701B2A	2(2)	54ALS138	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
M38510/37701BEA	2(2)	54ALS138	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
M38510/38001B2A	3(4)	54ALS161B	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
M38510/38001BEA	3(4)	54ALS161B	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
M38510/38002B2A	2(2)	54ALS163B	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
M38510/38002BEA	2(2)	54ALS163B	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
M38510/38003BEA	2(2)	54ALS169B	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
M38510/38003B2A	2(2)	54ALS169B	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
M38510/38201BRA	2(2)	54ALS573B	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
M38510/38201B2A	2(2)	54ALS573B	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
M38510/38301B2A	2(2)	54ALS240A	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/38301BRA	2(2)	54ALS240A	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/38302BRA	2(2)	54ALS241B	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/38302B2A	2(2)	54ALS241B	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/38303BRA	3(4)	54ALS244B	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/38303B2A	3(4)	54ALS244B	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/38401BCA	1(0)	54ALS1000A	BUFFER/DRIVER, NAND, QUAD 2-INPUT	T.I.
M38510/38401B2A	1(0)	54ALS1000A	BUFFER/DRIVER, NAND, QUAD 2-INPUT	T.I.
M38510/38402BCA	1(0)	54ALS1002A	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.
M38510/38402B2A	1(0)	54ALS1002A	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/38411B2A	2(2)	54ALS1034	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
M38510/38411BCA	2(2)	54ALS1034	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
M38510/50401BRA	2(2)	16L8A	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
M38510/50402BRA	1(.5)	16R8A	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR	T.I.
M38510/50403BRA	1(0)	16R6A	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT AND-OR	T.I.
M38510/50404BRA	1(0)	16R4A	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT AND-OR	T.I.
M38510/50407BRA	1(0)	16L8A-2	PROG. LOGIC DEVICE, 16-INPUT 8 OUTPUT AND-OR-INVERT	T.I.
M38510/50408BRA	1(0)	16R8A-2	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
M38510/50409BRA	1(0)	16R6A-2	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
M38510/50410BRA	1(.5)	16R4A-2	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
M38510/50501BLA	1(0)	20L8-15	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
M38510/50502BLA	1(0)	20R8-15	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
M38510/50503BLA	1(0)	20R6-15	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
M38510/50504BLA	1(0)	20R4-15	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
M38510/50601BRA	1(<.5)	16L8A-15	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
M38510/50602BRA	1(<.5)	16R8A-15	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
M38510/50603BRA	1(0)	16R6A-15	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
M38510/50604BRA	1(0)	16R4A-15	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
M38510/50605BRA	1(1.5)	16L8A	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
M38510/50606BRA	1(<?)	16R8A	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
M38510/50607BRA	1(0)	16R6A	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
M38510/50608BRA	1(0)	16R4A	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
M38510/53001BQA	1	JD808601	MICROPROCESSOR, 16-BIT	INTEL
M38510/55501BZC	2(2)	UT1553BRTI	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
M38510/55501BZA	2(2)	UT1553BRTI	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
M38510/55502BZC	2(2)	UT1553BRTI	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
M38510/55502BZA	2(2)	UT1553BRTI	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
M38510/60504BQA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (3,001 - 4,000 GATES)	UTMC
M38510H60514B4A	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510H60514SMA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60514S4A	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60514BMA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510/60604BYC	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (3,001 - 4,000 GATES)	UTMC
M38510/60604BYA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (3,001 - 4,000 GATES)	UTMC
M38510/60604BXA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (3,001 - 4,000 GATES)	UTMC
M38510/60604BXC	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (3,001 - 4,000 GATES)	UTMC
M38510/60606BZA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (5,001 - 6,000 GATES)	UTMC
M38510/60606BZC	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (5,001 - 6,000 GATES)	UTMC
M38510/60606BYA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (5,001 - 6,000 GATES)	UTMC
M38510/60606BYC	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (5,001 - 6,000 GATES)	UTMC
M38510/60608BZA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (7,001 - 8,000 GATES)	UTMC
M38510/60608BNA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (7,001 - 8,000 GATES)	UTMC
M38510/60608BYA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (7,001 - 8,000 GATES)	UTMC
M38510/60611BNA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC
M38510/60611BNC	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC
M38510H60614BMA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60614BYA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60614SYA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60614BNA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60614S4A	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60614B4A	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60614SMA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60614SNA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60617S5A	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60617SZC	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60617B7A	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60617BZC	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60617B5A	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60617B5C	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60617S5C	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60617SZA	1(0)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510/60708BZC	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (7,001 - 8,000 GATES)	UTMC
M38510/60708BZA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (7,001 - 8,000 GATES)	UTMC
M38510/60711BZC	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC
M38510/60711BZA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC
M38510/60711BTA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/60711BTC	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC
M38510H60714BTA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60714SMA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60714BNA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60714BMA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60714SNA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60714STA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
M38510H60717S5C	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717S4C	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717STC	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717SMA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717SMC	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717B5C	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717STA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717BTC	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717BMA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717BMC	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717B4C	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717S6C	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717B6C	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510H60717BTA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
M38510/60811BZA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60814BMA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60814SMA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60814BZA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60814BYA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60814SYA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60814SZA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60817S7C	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60817SZA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60817SZC	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60817S7A	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60817BZA	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60817B7C	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60817B7A	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510H60817BZC	1(1)	GATE ARRAY	GATE ARRAY, SEMICUSTOM	UTMC
M38510/65001BDA	1(1)	54HC00	NAND GATE, QUAD 2-INPUT	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/65001BCA	1(1)	54HC00	NAND GATE, QUAD 2-INPUT	T.I.
M38510/65001B2A	1(1)	54HC00	NAND GATE, QUAD 2-INPUT	T.I.
M38510/65002BCA	1(1)	54HC10	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/65002B2A	1(1)	54HC10	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/65002BDA	1(1)	54HC10	NAND GATE, TRIPLE 3-INPUT	T.I.
M38510/65003BDA	1(1.5)	54HC20	NAND GATE, DUAL 4-INPUT	T.I.
M38510/65003BCA	1(1.5)	54HC20	NAND GATE, DUAL 4-INPUT	T.I.
M38510/65004BCA	1(1)	54HC30	NAND GATE, 8-INPUT	T.I.
M38510/65004BDA	1(1)	54HC30	NAND GATE, 8-INPUT	T.I.
M38510/65004B2A	1(1)	54HC30	NAND GATE, 8-INPUT	T.I.
M38510/65101BCA	1(1)	54HC02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/65101B2A	1(1)	54HC02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/65101BDA	1(1)	54HC02	NOR GATE, QUAD 2-INPUT	T.I.
M38510/65102BCA	1(1)	54HC27	NOR GATE, TRIPLE 3-INPUT	T.I.
M38510/65102BDA	1(1)	54HC27	NOR GATE, TRIPLE 3-INPUT	T.I.
M38510/65104BCA	2(2)	54HC4002	NOR GATE, DUAL 4-INPUT	T.I.
M38510/65104BDA	2(2)	54HC4002	NOR GATE, DUAL 4-INPUT	T.I.
M38510/65201B2A	2(2)	54HC32	OR GATE, QUAD 2-INPUT	T.I.
M38510/65201BDA	2(2)	54HC32	OR GATE, QUAD 2-INPUT	T.I.
M38510/65201BCA	2(2)	54HC32	OR GATE, QUAD 2-INPUT	T.I.
M38510/65202BDA	2(2)	54HC86	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
M38510/65202BCA	2(2)	54HC86	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
M38510/65203BDA	1(1)	54HC08	AND GATE, QUAD 2-INPUT	T.I.
M38510/65203BCA	1(1)	54HC08	AND GATE, QUAD 2-INPUT	T.I.
M38510/65203B2A	1(1)	54HC08	AND GATE, QUAD 2-INPUT	T.I.
M38510/65204BDA	2(2)	54HC11	AND GATE, TRIPLE 3-INPUT	T.I.
M38510/65204BCA	2(2)	54HC11	AND GATE, TRIPLE 3-INPUT	T.I.
M38510/65302BDA	2(2)	54HC74	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	T.I.
M38510/65302BCA	2(2)	54HC74	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	T.I.
M38510/65302B2A	2(2)	54HC74	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	T.I.
M38510/65304B2A	2(2)	54HC109	FLIP-FLOP, JK, DUAL	T.I.
M38510/65304BEA	2(2)	54HC109	FLIP-FLOP, JK, DUAL	T.I.
M38510/65305BFA	3(4)	54HC112	FLIP-FLOP, JK, DUAL, WITH SET AND RESET	T.I.
M38510/65305BEA	3(4)	54HC112	FLIP-FLOP, JK, DUAL, WITH SET AND RESET	T.I.
M38510/65307BEA	1(1)	54HC174	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
M38510/65307BFA	1(1)	54HC174	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
M38510/65308BFA	2(2)	54HC175	FLIP-FLOP, D-TYPE, 4-BIT	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/65308BEA	2(2)	54HC175	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
M38510/65352BCA	1(1.5)	54HCT74	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR WITH LSTTL-COMPATIBLE INPUTS	T.I.
M38510/65402BEA	1(1)	54HC259	LATCH, 8-BIT ADDRESSABLE	T.I.
M38510/65403BRA	2(2)	54HC373	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/65403BSA	2(2)	54HC373	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/65403B2A	2(2)	54HC373	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/65406BRA	2(2)	54HC573	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/65453BSA	3(4)	54HCT373	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	T.I.
M38510/65453BRA	3(4)	54HCT373	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	T.I.
M38510/65503BSA	3(4)	54HC245	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
M38510/65503BRA	3(4)	54HC245	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
M38510/65553BRA	2(2)	54HCT245	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
M38510/65553BSA	2(2)	54HCT245	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
M38510/65601BSA	2(2)	54HC273	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
M38510/65601BRA	2(2)	54HC273	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
M38510/65602BSA	2(2)	54HC374	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/65602BRA	2(2)	54HC374	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/65604BRA	3(4)	54HC574	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/65652BRA	1(1)	54HCT374	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	T.I.
M38510/65652BSA	1(1)	54HCT374	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	T.I.
M38510/65701BDA	1(1.5)	54HC04	HEX INVERTER	T.I.
M38510/65701BCA	1(1.5)	54HC04	HEX INVERTER	T.I.
M38510/65701B2A	1(1.5)	54HC04	HEX INVERTER	T.I.
M38510/65702BCA	2(2)	54HC14	HEX INVERTER, SCHMITT TRIGGER	T.I.
M38510/65702BDA	2(2)	54HC14	HEX INVERTER, SCHMITT TRIGGER	T.I.
M38510/65703BRA	2(2)	54HC240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65703BSA	2(2)	54HC240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65703B2A	2(2)	54HC240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65704BRA	1(1.5)	54HC241	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65705BRA	2(2)	54HC244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/65705BRA	1(0)	54HC244/BRAJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/65705BSA	2(2)	54HC244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65705B2A	1(0)	54HC244M/B2AJC	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
M38510/65705B2A	2(2)	54HC244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65706BEA	1(1)	54HC365	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65708BFA	2(2)	54HC367	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65708BEA	2(2)	54HC367	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65709BEA	3(4)	54HC368	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65710BRA	2(2)	54HC540	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65711BRA	1(1)	54HC541	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65711BSA	1(1)	54HC541	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65751BCA	1(1)	54HCT04	HEX INVERTER, TTL-COMPATIBLE INPUTS	T.I.
M38510/65753BRA	2(2)	54HCT240	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65755BRA	1(1)	54HCT244	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65760BRA	1(1)	54HCT540	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
M38510/65761BRA	2(2)	54HCT541	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
M38510/65802BEA	3(4)	54HC138	DECODER, 3-TO-8-LINE	T.I.
M38510/65802BFA	3(4)	54HC138	DECODER, 3-TO-8-LINE	T.I.
M38510/65802B2A	3(4)	54HC138	DECODER, 3-TO-8-LINE	T.I.
M38510/65803BEA	2(2)	54HC139	DECODER, DUAL 2-TO-4-LINE	T.I.
M38510/65803BFA	2(2)	54HC139	DECODER, DUAL 2-TO-4-LINE	T.I.
M38510/65852BEA	2(2)	54HCT138	DECODER, 3-TO-8-LINE	T.I.
M38510/66204BEA	1(0)	54HC158/BEAJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTED OUTPUTS	MOTOROLA
M38510/66204B2A	1(0)	54HC158M/B2AJC	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTED OUTPUTS	MOTOROLA
M38510/66302BEA	2(2)	54HC161	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
M38510/66302BFA	2(2)	54HC161	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
M38510/66304BEA	1(1)	54HC163	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
M38510/66309BCA	2(2)	54HC393	BINARY COUNTER, DUAL 4-BIT	T.I.

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/66309BDA	2(2)	54HC393	BINARY COUNTER, DUAL 4-BIT	T.I.
M38510/66501B2A	1(0)	54HC164M/B2AJC	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	MOTOROLA
M38510/66501BCA	1(0)	54HC164/BCAJC	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	MOTOROLA
M38510/66502B2A	1(0)	54HC165M/B2AJC	SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT	MOTOROLA
M38510/66502BEA	1(0)	54HC165/BEAJC	SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT	MOTOROLA
M38510/75001SCA	1(0)	JM54AC00SCA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510R75001BDA	3(4)	JM54AC00BDA-RH	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/75001B2A	1(0)	JM54AC00B2A	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510R75001BCA	1(0)	JM54AC00BCA-RH	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/75001BCA	1(0)	JM54AC00BCA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/75001SDA	1(0)	JM54AC00SDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/75001BDA	1(0)	JM54AC00BDA	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510/75001S2A	3(4)	JM54AC00S2A	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510R75001SCA	1(0)	JM54AC00SCA-RH	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510R75001SDA	1(0)	JM54AC00SDA-RH	NAND GATE, QUAD 2-INPUT	NATIONAL
M38510R75002BDA	1(0)	JM54AC10BDA-RH	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510R75002SDA	1(0)	JM54AC10SDA-RH	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510R75002SCA	1(0)	JM54AC10SCA-RH	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75002S2A	3(7.2)	JM54AC10S2A	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75002BCA	1(0)	JM54AC10BCA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510R75002BCA	1(0)	JM54AC10BCA-RH	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75002B2A	1(0)	JM54AC10B2A	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75002SCA	1(0)	JM54AC10SCA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75002SDA	1(0)	JM54AC10SDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75002BDA	1(0)	JM54AC10BDA	NAND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75003S2A	2(3)	JM54AC20S2A	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510R75003SCA	1(0)	JM54AC20SCA-RH	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510R75003BDA	1(0)	JM54AC20BDA-RH	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510R75003SDA	1(0)	JM54AC20SDA-RH	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/75003B2A	1(0)	JM54AC20B2A	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/75003SDA	1(0)	JM54AC20SDA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/75003SCA	1(0)	JM54AC20SCA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/75003BDA	1(0)	JM54AC20BDA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510/75003BCA	1(0)	JM54AC20BCA	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510R75003BCA	1(0)	JM54AC20BCA-RH	NAND GATE, DUAL 4-INPUT	NATIONAL
M38510R75101SCA	1(0)	JM54AC02SCA-RH	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/75101SCA	1(0)	JM54AC02SCA	NOR GATE, QUAD 2-INPUT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510R75101BDA	2(2.7)	JM54AC02BDA-RH	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510R75101SDA	1(0)	JM54AC02SDA-RH	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/75101S2A	2(2.7)	JM54AC02S2A	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/75101SDA	1(0)	JM54AC02SDA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/75101BCA	1(0)	JM54AC02BCA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/75101B2A	1(0)	JM54AC02B2A	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510R75101BCA	1(0)	JM54AC02BCA-RH	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/75101BDA	1(0)	JM54AC02BDA	NOR GATE, QUAD 2-INPUT	NATIONAL
M38510/75201BDA	1(0)	JM54AC32BDA	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/75201BCA	1(0)	JM54AC32BCA	OR GATE, QUAD 2-INPUT	NATIONAL
M38510R75201SCA	1(0)	JM54AC32SCA-RH	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/75201SCA	1(0)	JM54AC32SCA	OR GATE, QUAD 2-INPUT	NATIONAL
M38510R75201SDA	1(0)	JM54AC32SDA-RH	OR GATE, QUAD 2-INPUT	NATIONAL
M38510R75201BCA	1(0)	JM54AC32BCA-RH	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/75201SDA	1(0)	JM54AC32SDA	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/75201B2A	1(0)	JM54AC32B2A	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/75201S2A	3(10)	JM54AC32S2A	OR GATE, QUAD 2-INPUT	NATIONAL
M38510R75201BDA	3(10)	JM54AC32BDA-RH	OR GATE, QUAD 2-INPUT	NATIONAL
M38510/75202BDA	1(0)	JM54AC86BDA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/75202B2A	1(0)	JM54AC86B2A	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510R75202SDA	1(0)	JM54AC86SDA-RH	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/75202SDA	1(0)	JM54AC86SDA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/75202SCA	1(0)	JM54AC86SCA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/75202S2A	2(2.7)	JM54AC86S2A	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510R75202SCA	1(0)	JM54AC86SCA-RH	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510/75202BCA	1(0)	JM54AC86BCA	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510R75202BDA	1(0)	JM54AC86BDA-RH	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510R75202BCA	1(0)	JM54AC86BCA-RH	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
M38510R75203SCA	1(0)	JM54AC08SCA-RH	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/75203SDA	1(0)	JM54AC08SDA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/75203S2A	3(9.7)	JM54AC08S2A	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/75203B2A	1(0)	JM54AC08B2A	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/75203SCA	1(0)	JM54AC08SCA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510R75203SDA	1(0)	JM54AC08SDA-RH	AND GATE, QUAD 2-INPUT	NATIONAL
M38510R75203BDA	1(0)	JM54AC08BDA-RH	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/75203BDA	1(0)	JM54AC08BDA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510R75203BCA	1(0)	JM54AC08BCA-RH	AND GATE, QUAD 2-INPUT	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/75203BCA	1(0)	JM54AC08BCA	AND GATE, QUAD 2-INPUT	NATIONAL
M38510/75204BDA	1(0)	JM54AC11BDA	AND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75204B2A	1(0)	JM54AC11B2A	AND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75204BCA	1(0)	JM54AC11BCA	AND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75204S2A	3(10)	JM54AC11S2A	AND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75204SCA	1(0)	JM54AC11SCA	AND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75204SDA	1(0)	JM54AC11SDA	AND GATE, TRIPLE 3-INPUT	NATIONAL
M38510/75302S2A	3(10)	JM54AC74S2A	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75302B2A	1(0)	JM54AC74B2A	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75302SDA	1(0)	JM54AC74SDA	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75302SCA	1(0)	JM54AC74SCA	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75302BCA	1(0)	JM54AC74BCA	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75302BDA	1(0)	JM54AC74BDA	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75304BFA	1(0)	JM54AC109BFA	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75304BEA	1(0)	JM54AC109BEA	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75304SEA	1(0)	JM54AC109SEA	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75304SFA	1(0)	JM54AC109SFA	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75304B2A	1(0)	JM54AC109B2A	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75304S2A	3(5.2)	JM54AC109S2A	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
M38510/75307S2A	3(8.7)	JM54AC174S2A	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
M38510/75307B2A	3(8.7)	JM54AC17B2A	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
M38510/75307BEA	1(0)	JM54AC174BEA	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
M38510/75307SEA	1(0)	JM54AC174SEA	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
M38510/75307BFA	1(0)	JM54AC174BFA	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
M38510/75307SFA	1(0)	JM54AC174SFA	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
M38510/75403B2A	1(0)	JM54AC373B2A	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75403SSA	1(0)	JM54AC373SSA	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75403SRA	1(0)	JM54AC373SRA-RH	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75403BSA	3(6.2)	JM54AC373BSA-RH	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/75403BSA	1(0)	JM54AC373BSA	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75403SRA	1(0)	JM54AC373SRA	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75403BRA	1(0)	JM54AC373BRA-RH	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75403SSA	1(0)	JM54AC373SSA-RH	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75403BRA	1(0)	JM54AC373BRA	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75403S2A	3(6.2)	JM54AC373S2A	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75503BSA	1(0)	JM54AC245BSA	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
M38510/75503S2A	3(10)	JM54AC245S2A	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
M38510/75503SRA	1(0)	JM54AC245SRA	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
M38510/75503BRA	1(0)	JM54AC245BRA	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
M38510/75503B2A	1(0)	JM54AC245B2A	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
M38510/75503SSA	1(0)	JM54AC245SSA	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
M38510R75503BSA	3(10)	JM54AC245BSA-RH	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
M38510R75503SSA	1(0)	JM54AC245SSA-RH	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
M38510R75503BRA	1(0)	JM54AC245BRA-RH	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
M38510R75503SRA	1(0)	JM54AC245SRA-RH	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
M38510/75601SSA	1(0)	JM54AC273SSA	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
M38510/75601SRA	1(0)	JM54AC273SRA	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
M38510/75601BRA	1(0)	JM54AC273BRA	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
M38510/75601BSA	1(0)	JM54AC273BSA	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
M38510/75601B2A	1(0)	JM54AC273B2A	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
M38510/75601S2A	3(5.5)	JM54AC273S2A	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
M38510/75602BSA	1(0)	JM54AC374BSA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75602S2A	2(3.7)	JM54AC374S2A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75602B2A	1(0)	JM54AC374B2A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75602BRA	1(0)	JM54AC374BRA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75602SRA	1(0)	JM54AC374SRA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75602SSA	1(0)	JM54AC374SSA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75603BRA	1(0)	JM54AC377BRA	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/75603SRA	1(0)	JM54AC377SRA	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
M38510/75603B2A	1(0)	JM54AC377B2A	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
M38510/75603S2A	3(10)	JM54AC377S2A	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
M38510/75603SSA	1(0)	JM54AC377SSA	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
M38510/75603BSA	1(0)	JM54AC377BSA	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
M38510/75604SRA	1(0)	JM54AC574SRA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75604BSA	1(0)	JM54AC574BSA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75604SSA	1(0)	JM54AC574SSA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75604B2A	1(0)	JM54AC574B2A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75604BRA	1(0)	JM54AC574BRA	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75604S2A	3(10)	JM54AC574S2A	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75701SCA	1(0)	JM54AC04SCA	HEX INVERTER	NATIONAL
M38510R75701BDA	3(9.2)	JM54AC04BDA-RH	HEX INVERTER	NATIONAL
M38510/75701S2A	3(9.2)	JM54AC04S2A	HEX INVERTER	NATIONAL
M38510/75701B2A	1(0)	JM54AC04B2A	HEX INVERTER	NATIONAL
M38510R75701SDA	1(0)	JM54AC04SDA-RH	HEX INVERTER	NATIONAL
M38510/75701BCA	1(0)	JM54AC04BCA	HEX INVERTER	NATIONAL
M38510/75701SDA	1(0)	JM54AC04SDA	HEX INVERTER	NATIONAL
M38510R75701SCA	1(0)	JM54AC04SCA-RH	HEX INVERTER	NATIONAL
M38510/75701BDA	1(0)	JM54AC04BDA	HEX INVERTER	NATIONAL
M38510R75701BCA	1(0)	JM54AC04BCA-RH	HEX INVERTER	NATIONAL
M38510R75702BCA	1(0)	JM54AC14BCA-RH	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
M38510/75702SCA	1(0)	JM54AC14SCA	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
M38510/75702B2A	1(0)	JM54AC14B2A	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
M38510R75702BDA	1(0)	JM54AC14BDA-RH	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
M38510/75702BDA	1(0)	JM54AC14BDA	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
M38510/75702S2A	3(10)	JM54AC14S2A	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
M38510/75702SDA	1(0)	JM54AC14SDA	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
M38510R75702SDA	1(0)	JM54AC14SDA-RH	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
M38510/75702BCA	1(0)	JM54AC14BCA	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
M38510R75702SCA	1(0)	JM54AC14SCA-RH	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
M38510/75703SRA	1(0)	JM54AC240SRA	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75703SSA	1(0)	JM54AC240SSA	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75703BRA	1(0)	JM54AC240BRA	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75703BSA	3(9.7)	JM54AC240BSA-RH	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510R75703BRA	1(0)	JM54AC240BRA-RH	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75703B2A	1(0)	JM54AC240B2A	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75703SSA	1(0)	JM54AC240SSA-RH	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75703S2A	3(9.7)	JM54AC240S2A	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75703BSA	1(0)	JM54AC240BSA	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75703SRA	1(0)	JM54AC240SRA-RH	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75704S2A	3(7.5)	JM54AC241S2A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75704SRA	1(0)	JM54AC241SRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75704BRA	1(0)	JM54AC241BRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75704BRA	1(0)	JM54AC241BRA-RH	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75704SSA	1(0)	JM54AC241SSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75704SSA	1(0)	JM54AC241SSA-RH	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75704SRA	1(0)	JM54AC241SRA-RH	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75704BSA	1(0)	JM54AC241BSA-RH	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75704B2A	1(0)	JM54AC241B2A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75704BSA	1(0)	JM54AC241BSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75705SRA	1(0)	JM54AC244SRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75705BRA	1(0)	JM54AC244BRA-RH	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75705SSA	1(0)	JM54AC244SSA-RH	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75705B2A	1(0)	JM54AC244B2A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75705S2A	3(10)	JM54AC244S2A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75705BSA	1(0)	JM54AC244BSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75705SRA	1(0)	JM54AC244SRA-RH	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75705BRA	1(0)	JM54AC244BRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510R75705BSA	1(0)	JM54AC244BSA-RH	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/75705SSA	1(0)	JM54AC244SSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75711B2A	1(0)	JM54AC541B2A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75711BRA	1(0)	JM54AC541BRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75711SRA	1(0)	JM54AC541SRA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75711SSA	1(0)	JM54AC541SSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75711BSA	1(0)	JM54AC541BSA	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75711S2A	3(10)	JM54AC541S2A	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
M38510/75802B2A	1(0)	JM54AC138B2A	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
M38510/75802BFA	1(0)	JM54AC138BFA	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
M38510/75802BEA	1(0)	JM54AC138BEA	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
M38510/75802SFA	1(0)	JM54AC138SFA	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
M38510/75802S2A	3(7.5)	JM54AC138S2A	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
M38510/75802SEA	1(0)	JM54AC138SEA	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
M38510/75803BFA	1(0)	JM54AC139BEA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/75803B2A	1(0)	JM54AC139B2A	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/75803BFA	1(0)	JM54AC139BFA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/75803SEA	1(0)	JM54AC139SEA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/75803SFA	1(0)	JM54AC139SFA	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/75803S2A	3(9)	JM54AC139S2A	DECODER, DUAL 2-TO-4-LINE	NATIONAL
M38510/76201B2A	1(0)	JM54AC151B2A	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/76201SFA	1(0)	JM54AC151SFA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/76201BFA	1(0)	JM54AC151BFA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/76201SEA	1(0)	JM54AC151SEA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/76201BEA	1(0)	JM54AC151BEA	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/76201S2A	2(3.5)	JM54AC151S2A	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
M38510/76201BFA	1(0)	JM54AC151BFA	EIGHT INPUT MULITPLEXER	NATIONAL
M38510/76201B2A	1(0)	JM54AC151B2A	EIGHT INPUT MULITPLEXER	NATIONAL
M38510/76201S2A	2(3.5)	JM54AC151S2A	EIGHT INPUT MULITPLEXER	NATIONAL
M38510/76201SFA	1(0)	JM54AC151SFA	EIGHT INPUT MULITPLEXER	NATIONAL
M38510/76201BEA	1(0)	JM54AC151BEA	EIGHT INPUT MULITPLEXER	NATIONAL
M38510/76201SEA	1(0)	JM54AC151SEA	EIGHT INPUT MULITPLEXER	NATIONAL
M38510/76202BFA	1(0)	JM54AC153BFA	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL
M38510/76202S2A	2(3.2)	JM54AC153S2A	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL
M38510/76202BEA	1(0)	JM54AC153BEA	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/76202SEA	1(0)	JM54AC153SEA	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL
M38510/76202B2A	1(0)	JM54AC153B2A	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL
M38510/76202SFA	1(0)	JM54AC153SFA	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL
M38510/76202BEA	1(0)	JM54AC153BEA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/76202BFA	1(0)	JM54AC153BFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/76202SEA	1(0)	JM54AC153SEA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/76202S2A	2(3.2)	JM54AC153S2A	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/76202B2A	1(0)	JM54AC153B2A	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/76202SFA	1(0)	JM54AC153SFA	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
M38510/76203B2A	1(0)	JM54AC157B2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/76203BEA	1(0)	JM54AC157BEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/76203BFA	1(0)	JM54AC157BFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/76203SFA	1(0)	JM54AC157SFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/76203SEA	1(0)	JM54AC157SEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/76203S2A	3(8)	JM54AC157S2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
M38510/76203SEA	1(0)	JM54AC157SEA	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
M38510/76203SFA	1(0)	JM54AC157SFA	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
M38510/76203B2A	1(0)	JM54AC157B2A	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
M38510/76203BEA	1(0)	JM54AC157BEA	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
M38510/76203S2A	3(8)	JM54AC157S2A	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
M38510/76203BFA	1(0)	JM54AC157BFA	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
M38510/76207B2A	1(0)	JM54AC257B2A	QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
M38510/76207SEA	1(0)	JM54AC257SEA	QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
M38510/76207S2A		JM54AC257S2A	QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
M38510/76207BEA	1(0)	JM54AC257BEA	QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
M38510/76207BFA	1(0)	JM54AC257BFA	QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
M38510/76207SFA	1(0)	JM54AC257SFA	QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
M38510/76207S2A		JM54AC257S2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/76207SEA	1(0)	JM54AC257SEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/76207SFA	1(0)	JM54AC257SFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/76207B2A	1(0)	JM54AC257B2A	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/76207BFA	1(0)	JM54AC257BFA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/76207BEA	1(0)	JM54AC257BEA	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
M38510/76302BEA	1(0)	JM54AC161BEA	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76302B2A	1(0)	JM54AC161B2A	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76302SFA	1(0)	JM54AC161SFA	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76302S2A	3(8.7)	JM54AC161S2A	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76302BFA	1(0)	JM54AC161BFA	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76302SEA	1(0)	JM54AC161SEA	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76302B2A	1(0)	JM54AC161B2A	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
M38510/76302S2A	3(8.7)	JM54AC161S2A	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
M38510/76302SEA	1(0)	JM54AC161SEA	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
M38510/76302SFA	1(0)	JM54AC161SFA	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
M38510/76302BEA	1(0)	JM54AC161BEA	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
M38510/76302BFA	1(0)	JM54AC161BFA	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
M38510/76304BEA	1(0)	JM54AC163BEA	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
M38510/76304B2A	1(0)	JM54AC163B2A	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
M38510/76304SEA	1(0)	JM54AC163SEA	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
M38510/76304SFA	1(0)	JM54AC163SFA	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
M38510/76304BFA	1(0)	JM54AC163BFA	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
M38510/76304S2A	2(3)	JM54AC163S2A	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
M38510/76304S2A	2(3)	JM54AC163S2A	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76304BEA	1(0)	JM54AC163BEA	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76304BFA	1(0)	JM54AC163BFA	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76304SFA	1(0)	JM54AC163SFA	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76304B2A	1(0)	JM54AC163B2A	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76304SEA	1(0)	JM54AC163SEA	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
M38510/76305BEA	1(0)	JM54AC191BEA	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
M38510/76305BFA	1(0)	JM54AC191BFA	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
M38510/76305B2A	1(0)	JM54AC191B2A	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
M38510/76305SFA	1(0)	JM54AC191SFA	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
M38510/76305SEA	1(0)	JM54AC191SEA	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
M38510/76305S2A	3(8.5)	JM54AC191S2A	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
M38510/76305SEA	1(0)	JM54AC191SEA	SYNCHRO	NATIONAL
M38510/76305B2A	1(0)	JM54AC191B2A	SYNCHRO	NATIONAL
M38510/76305BEA	1(0)	JM54AC191BEA	SYNCHRO	NATIONAL

TABLE I
APPROVED MASTER SOURCE LISTING BY MILITARY DRAWING NUMBER AND MILITARY SPECIFICATION

MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	MANUFACTURER SIMILAR PART NUMBER 4/	PRODUCT DESCRIPTION 5/	SOURCE(S)
M38510/76305SFA	1(0)	JM54AC191SFA	SYNCHRO	NATIONAL
M38510/76305BFA	1(0)	JM54AC191BFA	SYNCHRO	NATIONAL
M38510/76305S2A	3(8.5)	JM54AC191S2A	SYNCHRO	NATIONAL
M38510/76506BRA	1(0)	JM54AC299BRA	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
M38510/76506B2A	1(0)	JM54AC299B2A	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
M38510/76506SSA	1(0)	JM54AC299SSA	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
M38510/76506SRA	1(0)	JM54AC299SRA	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
M38510/76506S2A	3(9.7)	JM54AC299S2A	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
M38510/76506BSA	1(0)	JM54AC299BSA	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
100301DMQB	5962-9152801MXA	1(0)	OR/NOR GATE, TRIPLE 5-INPUT	NATIONAL
100301FMQB	5962-9152801MYA	2	OR/NOR GATE, TRIPLE 5-INPUT	NATIONAL
100302DMQB	5962-9152802MXA	1(0)	OR/NOR GATE, QUINT 2-INPUT	NATIONAL
100302FMQB	5962-9152802MYA	1(0)	OR/NOR GATE, QUINT 2-INPUT	NATIONAL
100304DMQB	5962-9153701MXA	1(0)	AND/NAND GATE, QUINT	NATIONAL
100304FMQB	5962-9153701MYA	1(0)	AND/NAND GATE, QUINT	NATIONAL
100314DMQB	5962-9162901MXA	3	LINE RECEIVER, QUINT DIFFERENTIAL	NATIONAL
100314FMQB	5962-9162901MYA	3	LINE RECEIVER, QUINT DIFFERENTIAL	NATIONAL
100324DMQB	5962-9153001MXA	2	HEX TRANSLATOR, TTL-TO-ECL	NATIONAL
100324FMQB	5962-9153001MYA	2	HEX TRANSLATOR, TTL-TO-ECL	NATIONAL
100325DMQB	5962-9153101MXA	1(0)	TRANSLATOR, HEX ECL-TO-TTL	NATIONAL
100325FMQB	5962-9153101MYA	1(0)	TRANSLATOR, HEX ECL-TO-TTL	NATIONAL
100329DMQB	5962-9206601MXA	1	ECL/TTL TRANSLATOR, OCTAL BI-DIRECTIONAL, WITH REGISTER	NATIONAL
100329FMQB	5962-9206601MYA	1	ECL/TTL TRANSLATOR, OCTAL BI-DIRECTIONAL, WITH REGISTER	NATIONAL
100331DMQB	5962-9153601MXA	1(0)	FLIP-FLOP, D-TYPE, TRIPLE	NATIONAL
100331FMQB	5962-9153601MYA	1(0)	FLIP-FLOP, D-TYPE, TRIPLE	NATIONAL
100336DMQB	5962-9230601MXA	2	COUNTER/SHIFT REGISTER, 4-STAGE	NATIONAL
100336FMQB	5962-9230601MYA	2	COUNTER/SHIFT REGISTER, 4-STAGE	NATIONAL
100355DMQB	5962-9165401MXA	1(0)	MULTIPLEXER/LATCH, QUAD 2-INPUT	NATIONAL
100355FMQB	5962-9165401MYA	1(0)	MULTIPLEXER/LATCH, QUAD 2-INPUT	NATIONAL
100363DMQB	5962-9165501MXA	3	MULTIPLEXER, DUAL 8-INPUT	NATIONAL
100363FMQB	5962-9165501MYA	3	MULTIPLEXER, DUAL 8-INPUT	NATIONAL
100E416/BYAJC	5962-9309802MYA	1	BINARY COUNTER, 8-BIT SYNCHRONOUS UP, TEMPERATURE COMPENSATED	MOTOROLA
100E501/BYAJC	5962-9309902MYA	1	OR/NOR GATE, QUAD 4-INPUT, TEMPERATURE-COMPENSATED	MOTOROLA
100E504/BYAJC	5962-9310002MYA	1	AND/NAND GATE, QUINT 2-INPUT, TEMPERATURE-COMPENSATED	MOTOROLA
100E507/BYAJC	5962-9310102MYA	1	EXCLUSIVE-OR/EXCLUSIVE-NOR GATE, QUINT 2-INPUT, TEMPERATURE-COMPENSATED	MOTOROLA
100E511/BYAJC	5962-9232702MYA	1	CLOCK DRIVER, 1-TO-9-DIFFERENTIAL, TEMPERATURE COMPENSATED	MOTOROLA
100E516/BYAJC	5962-9234302MYA	1	LINE RECEIVER, QUINT DIFFERENTIAL, TEMPERATURE COMPENSATED	MOTOROLA
100E531/BYAJC	5962-9310202MYA	1	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
100E551/BYAJC	5962-9310402MYA	1	REGISTER, D-TYPE, 6-BIT, TEMPERATURE-COMPENSATED	MOTOROLA
100H1042/BYAJC	5962-9207602MYA	1(0)	CLOCK DRIVER, 68030/40 ECL/TTL, TEMPERATURE COMPENSATED	MOTOROLA
101AFJAN	M38510/10103BHA	1	OP AMP, GENERAL PURPOSE	LINFINITY
101ATJAN	M38510/10103BGA	1	OP AMP, GENERAL PURPOSE	LINFINITY

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
103-1.8Z	7702801XA	3	VOLT. REFERENCE, 1.8V	LINFINITY
103-2.7Z	7702805XA	3	VOLT. REFERENCE, 2.7V	LINFINITY
103-4.7Z	7702811XA	3	VOLT. REFERENCE, 4.7V	LINFINITY
10501/BEAJC	M38510/06001BEA	1(0)	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA
10501/BFAJC	M38510/06001BFA	1(0)	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA
10501M/B2AJC	M38510/06001B2A	1(0)	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA
10502/BEAJC	M38510/06002BEA	1(0)	NOR-OR/NOR GATE	MOTOROLA
10502/BFAJC	M38510/06002BFA	1(0)	NOR-OR/NOR GATE	MOTOROLA
10502M/B2AJC	M38510/06002B2A	1(0)	NOR-OR/NOR GATE	MOTOROLA
10504/BEAJC	M38510/06201BEA	1(0)	AND/NAND GATE, QUAD 2-INPUT	MOTOROLA
10504/BFAJC	M38510/06201BFA	1(0)	AND/NAND GATE, QUAD 2-INPUT	MOTOROLA
10504M/B2AJC	M38510/06201B2A	1(0)	AND/NAND GATE, QUAD 2-INPUT	MOTOROLA
10505/BEAJC	M38510/06003BEA	1(0)	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
10505/BFAJC	M38510/06003BFA	1(0)	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
10505M/B2AJC	M38510/06003B2A	1(0)	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
10506/BEAJC	M38510/06004BEA	1(0)	NOR GATE, TRIPLE 3-4-3 INPUT	MOTOROLA
10506/BFAJC	M38510/06004BFA	1(0)	NOR GATE, TRIPLE 3-4-3 INPUT	MOTOROLA
10506M/B2AJC	M38510/06004B2A	1(0)	NOR GATE, TRIPLE 3-4-3 INPUT	MOTOROLA
10507/BEAJC	M38510/06005BEA	1(0)	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
10507/BFAJC	M38510/06005BFA	1(0)	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
10507M/B2AJC	M38510/06005B2A	1(0)	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
10509/BEAJC	M38510/06006BEA	1(0)	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
10509/BFAJC	M38510/06006BFA	1(0)	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
10509M/B2AJC	M38510/06006B2A	1(0)	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
10516/BEAJC	7800901EA	1	LINE RECEIVER, TRIPLE DIFFERENTIAL, WITH COMMON RESET	MOTOROLA
10516/BFAJC	7800901FA	1	LINE RECEIVER, TRIPLE DIFFERENTIAL, WITH COMMON RESET	MOTOROLA
10516M/B2AJC	78009012A	1	LINE RECEIVER, TRIPLE DIFFERENTIAL, WITH COMMON RESET	MOTOROLA
10521/BEAJC	5962-8857701EA	1	OR-AND/OR-AND-INVERT GATE, 3-INPUT	MOTOROLA
10521/BFAJC	5962-8857701FA	1	OR-AND/OR-AND-INVERT GATE, 3-INPUT	MOTOROLA
10521M/B2AJC	5962-88577012A	1	OR-AND/OR-AND-INVERT GATE, 3-INPUT	MOTOROLA
10524/BEAJC	M38510/06301BEA	1(0)	VOLT. LEVEL SHIFTER, TTL TO ECL, QUAD	MOTOROLA
10524/BFAJC	M38510/06301BFA	1(0)	VOLT. LEVEL SHIFTER, TTL TO ECL, QUAD	MOTOROLA
10524M/B2AJC	M38510/06301B2A	1(0)	VOLT. LEVEL SHIFTER, TTL TO ECL, QUAD	MOTOROLA
10525/BEAJC	M38510/06302BEA	1(0)	VOLT. LEVEL SHIFTER, ECL TO TTL, QUAD	MOTOROLA
10525/BFAJC	M38510/06302BFA	1(0)	VOLT. LEVEL SHIFTER, ECL TO TTL, QUAD	MOTOROLA
10525M/B2AJC	M38510/06302B2A	1(0)	VOLT. LEVEL SHIFTER, ECL TO TTL, QUAD	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
10531/BEAJC	M38510/06101BEA	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
10531/BFAJC	M38510/06101BFA	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
10531M/B2AJC	M38510/06101B2A	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
10535/BEAJC	M38510/06104BEA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
10535/BFAJC	M38510/06104BFA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
10535M/B2AJC	M38510/06104B2A	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
10538/BEAJC	5962-9093501EA	1	BI-QUINARY COUNTER	MOTOROLA
10538/BFAJC	5962-9093501FA	1	BI-QUINARY COUNTER	MOTOROLA
10538M/B2AJC	5962-90935012A	1	BI-QUINARY COUNTER	MOTOROLA
10541/BEAJC	5962-8855701EA	1	SHIFT REGISTER, UNIVERSAL	MOTOROLA
10541/BFAJC	5962-8855701FA	1	SHIFT REGISTER, UNIVERSAL	MOTOROLA
10541M/B2AJC	5962-88557012A	1	SHIFT REGISTER, UNIVERSAL	MOTOROLA
10545/BEAJC	5962-8856001EA	1	STATIC RAM, 16 X 4, 15 NS ACCESS TIME	MOTOROLA
10545/BFAJC	5962-8856001FA	1	STATIC RAM, 16 X 4, 15 NS ACCESS TIME	MOTOROLA
10558/BEAJC	5962-8779201EA	1	MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
10558/BFAJC	5962-8779201FA	1	MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
10558M/B2AJC	5962-87792012A	1	MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
10564/BEAJC	5962-8852701EA	1	MULTIPLEXER, 8-INPUT	MOTOROLA
10564/BFAJC	5962-8852701FA	1	MULTIPLEXER, 8-INPUT	MOTOROLA
10564M/B2AJC	5962-88527012A	1	MULTIPLEXER, 8-INPUT	MOTOROLA
10565/BEAJC	5962-9056101MEA	1	PRIORITY ENCODER, 8-INPUT	MOTOROLA
10565/BFAJC	5962-9056101MFA	1	PRIORITY ENCODER, 8-INPUT	MOTOROLA
10565M/B2AJC	5962-9056101M2A	1	PRIORITY ENCODER, 8-INPUT	MOTOROLA
1056A2	5962-92A0201QYX	1	MICROCONTROLLER, COMMON	AT&T
1056B2	5962-92A0301QYX	1	ASIC, CONTROL BUS INTERFACE/FUNCTIONAL BUILT-IN TEST	AT&T
1056C	5962-92A0401QYX	1	INPUT/OUTPUT PORT, PARALLEL	AT&T
1056D2	5962-92A0501QYX	1	MEMORY CONTROLLER, BULK	AT&T
1056E	5962-92A0601QYX	1	OPERAND MEMORY	AT&T
1056F	5962-92A0701QYX	1	OPERAND MEMORY, DUAL MULTIPLEXER	AT&T
1056G	5962-92A0801QYX	1	CACHE/BUS CONTROLLER	AT&T
1056H2	5962-92A0901QYX	1	PROTEUS DIGITAL CHANNEL	AT&T
1056J	5962-92A1001QYX	1	ARITHMETIC UNIT, ISC	AT&T
1056K	5962-92A1101QYA	1	CHANNEL PROCESSOR INFORMATION, ASIC	AT&T
1056L	5962-92A1201QYA	1	ASIC, INPUT CONTROLLER	AT&T
1056S	5962-92A1401QYA	1	MEMORY CONTROLLER, DUAL PORT	AT&T
1056T	5962-92A1301QYA	1	HIGH-SPEED CHANNEL, ASIC	AT&T
1056U	5962-92A1601QYA	1		AT&T

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
1056W	5962-92A1501QYA	1	DMA CONTROLLER	AT&T
10576/BEAJC	M38510/06103BEA	1(0)	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
10576/BFAJC	M38510/06103BFA	1(0)	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
10576M/B2AJC	M38510/06103B2A	1(0)	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
1057A	5962-92A1701QYX	1	SWITCH, ASIC	AT&T
1057C	5962-92A1801QYX	1	SEQUENCER, ASIC	AT&T
1057D	5962-92A1901QYX	1		AT&T
1057E	5962-92A2001QYA	1	MEMORY DATA INTERFACE/CU DATA INTERFACE	AT&T
1057F	5962-92A2101QYX	1	D/A CONVERTER, ISC	AT&T
1057G	5962-92A2201QYX	1	ADDRESS CONTROLLER	AT&T
10586/BEAJC	5962-8779301EA	1	FLIP-FLOP, D-TYPE, HEX, WITH COMMON RESET	MOTOROLA
10586/BFAJC	5962-8779301FA	1	FLIP-FLOP, D-TYPE, HEX, WITH COMMON RESET	MOTOROLA
10586M/B2AJC	5962-87793012A	1	FLIP-FLOP, D-TYPE, HEX, WITH COMMON RESET	MOTOROLA
10592/BEAJC	5962-9311101MEA	1	LINE DRIVER, QUAD DIFFERENTIAL	MOTOROLA
10592/BFAJC	5962-9311101MFA	1	LINE DRIVER, QUAD DIFFERENTIAL	MOTOROLA
10592M/B2AJC	5962-9311101M2A	1	LINE DRIVER, QUAD DIFFERENTIAL	MOTOROLA
10597/B2AJC	M38510/06202B2A	1(0)	AND GATE, HEX	MOTOROLA
10597/BEAJC	M38510/06202BEA	1(0)	AND GATE, HEX	MOTOROLA
10597/BFAJC	M38510/06202BFA	1(0)	AND GATE, HEX	MOTOROLA
10598/BEAJC	5962-8777301EA	1	MULTIVIBRATOR, MONOSTABLE	MOTOROLA
10598/BFAJC	5962-8777301FA	1	MULTIVIBRATOR, MONOSTABLE	MOTOROLA
10598M/B2AJC	5962-87773012A	1	MULTIVIBRATOR, MONOSTABLE	MOTOROLA
10612/BEAJC	5962-8775001EA	1	OR/NOR GATE, DUAL 3-INPUT	MOTOROLA
10612/BFAJC	5962-8775001FA	1	OR/NOR GATE, DUAL 3-INPUT	MOTOROLA
10612M/B2AJC	5962-87750012A	1	OR/NOR GATE, DUAL 3-INPUT	MOTOROLA
10631/BEAJC	M38510/06102BEA	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
10631/BFAJC	M38510/06102BFA	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
10631M/B2AJC	M38510/06102B2A	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
108A/BPAJC	M38510/10104BPA	1(0)	OP AMP, GENERAL PURPOSE	MOTOROLA
109TJAN	M38510/10701BXA	1	VOLT. REGULATOR, FIXED, POSITIVE, 5V	LINFINITY
10E416/BYAJC	5962-9309801MYA	1	BINARY COUNTER, 8-BIT SYNCHRONOUS UP	MOTOROLA
10E501/BYAJC	5962-9309901MYA	1	OR/NOR GATE, QUAD 4-INPUT	MOTOROLA
10E504/BYAJC	5962-9310001MYA	1	AND/NAND GATE, QUINT 2-INPUT	MOTOROLA
10E507/BYAJC	5962-9310101MYA	1	EXCLUSIVE-OR/EXCLUSIVE-NOR GATE, QUINT 2-INPUT	MOTOROLA
10E511/BYAJC	5962-9232701MYA	1	CLOCK DRIVER, 1-TO-9-DIFFERENTIAL	MOTOROLA
10E531/BYAJC	5962-9310201MYA	1	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
10E551/BYAJC	5962-9310401MYA	1	REGISTER, D-TYPE, 6-BIT	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
10H1042/BYAJC	5962-9207501MYA	1(0)	CLOCK DRIVER, 68030/40 ECL/TTL	MOTOROLA
10H416/BEAJC	5962-8759001EA	1	BINARY COUNTER, 4-BIT	MOTOROLA
10H416/BFAJC	5962-8759001FA	1	BINARY COUNTER, 4-BIT	MOTOROLA
10H416M/B2AJC	5962-87590012A	1	BINARY COUNTER, 4-BIT	MOTOROLA
10H501/BEAJC	5962-8750301EA	1	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA
10H501/BFAJC	5962-8750301FA	1	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA
10H501M/B2AJC	5962-87503012A	1	OR/NOR GATE, QUAD 2-INPUT	MOTOROLA
10H502/BEAJC	5962-8755701EA	1	NOR GATE, QUAD 2-INPUT	MOTOROLA
10H502/BFAJC	5962-8755701FA	1	NOR GATE, QUAD 2-INPUT	MOTOROLA
10H502M/B2AJC	5962-87557012A	1	NOR GATE, QUAD 2-INPUT	MOTOROLA
10H503/BEAJC	5962-8756501EA	1	OR GATE, QUAD 2-INPUT	MOTOROLA
10H503/BFAJC	5962-8756501FA	1	OR GATE, QUAD 2-INPUT	MOTOROLA
10H503M/B2AJC	5962-87565012A	1	OR GATE, QUAD 2-INPUT	MOTOROLA
10H504/BEAJC	5962-8750401EA	1	AND GATE, QUAD 2-INPUT	MOTOROLA
10H504/BFAJC	5962-8750401FA	1	AND GATE, QUAD 2-INPUT	MOTOROLA
10H504M/B2AJC	5962-87504012A	1	AND GATE, QUAD 2-INPUT	MOTOROLA
10H505/BEAJC	5962-8750701EA	1	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
10H505/BFAJC	5962-8750701FA	1	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
10H505M/B2AJC	5962-87507012A	1	OR/NOR GATE, TRIPLE 2-3-2 INPUT	MOTOROLA
10H506/BEAJC	5962-8756401EA	1	NOR GATE, TRIPLE 4-3-3 INPUT	MOTOROLA
10H506/BFAJC	5962-8756401FA	1	NOR GATE, TRIPLE 4-3-3 INPUT	MOTOROLA
10H506M/B2AJC	5962-87564012A	1	NOR GATE, TRIPLE 4-3-3 INPUT	MOTOROLA
10H507/BEAJC	5962-8772701EA	1	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
10H507/BFAJC	5962-8772701FA	1	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
10H507M/B2AJC	5962-87727012A	1	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT	MOTOROLA
10H509/B2AJC	5962-89856012A	1	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
10H509/BEAJC	5962-8985601EA	1	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
10H509/BFAJC	5962-8985601FA	1	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
10H513/BEAJC	5962-8755801EA	1	EXCLUSIVE-OR GATE, QUAD	MOTOROLA
10H513/BFAJC	5962-8755801FA	1	EXCLUSIVE-OR GATE, QUAD	MOTOROLA
10H513M/B2AJC	5962-87558012A	1	EXCLUSIVE-OR GATE, QUAD	MOTOROLA
10H515/BEAJC	5962-8750101EA	1	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
10H515/BFAJC	5962-8750101FA	1	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
10H515M/B2AJC	5962-87501012A	1	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
10H516/BEAJC	5962-8750201EA	1	LINE RECEIVER, TRIPLE	MOTOROLA
10H516/BFAJC	5962-8750201FA	1	LINE RECEIVER, TRIPLE	MOTOROLA
10H516M/B2AJC	5962-87502012A	1	LINE RECEIVER, TRIPLE	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
10H518/BEAJC	5962-8755901EA	1	OR-AND GATE, DUAL 2-WIDE 3-INPUT	MOTOROLA
10H518/BFAJC	5962-8755901FA	1	OR-AND GATE, DUAL 2-WIDE 3-INPUT	MOTOROLA
10H518M/B2AJC	5962-87559012A	1	OR-AND GATE, DUAL 2-WIDE 3-INPUT	MOTOROLA
10H519/BEAJC	5962-8772801EA	1	OR-AND GATE, 4-WIDE 4-3-3-3 INPUT	MOTOROLA
10H519/BFAJC	5962-8772801FA	1	OR-AND GATE, 4-WIDE 4-3-3-3 INPUT	MOTOROLA
10H519M/B2AJC	5962-87728012A	1	OR-AND GATE, 4-WIDE 4-3-3-3 INPUT	MOTOROLA
10H521/BEAJC	5962-8773001EA	1	OR-AND/OR-AND-INVERT GATE, 4-WIDE	MOTOROLA
10H521/BFAJC	5962-8773001FA	1	OR-AND/OR-AND-INVERT GATE, 4-WIDE	MOTOROLA
10H521M/B2AJC	5962-87730012A	1	OR-AND/OR-AND-INVERT GATE, 4-WIDE	MOTOROLA
10H524/BEAJC	5962-8756001EA	1	LOGIC-LEVEL CONVERTER, TTL-TO-ECL, QUAD	MOTOROLA
10H524/BFAJC	5962-8756001FA	1	LOGIC-LEVEL CONVERTER, TTL-TO-ECL, QUAD	MOTOROLA
10H524M/B2AJC	5962-87560012A	1	LOGIC-LEVEL CONVERTER, TTL-TO-ECL, QUAD	MOTOROLA
10H525/B2AJC	5962-87508012A	1	LOGIC-LEVEL CONVERTER, ECL-TO-TTL	MOTOROLA
10H525/BEAJC	5962-8750801EA	1	LOGIC-LEVEL CONVERTER, ECL-TO-TTL	MOTOROLA
10H525/BFAJC	5962-8750801FA	1	LOGIC-LEVEL CONVERTER, ECL-TO-TTL	MOTOROLA
10H531/BEAJC	5962-8756101EA	1	FLIP-FLOP, D-TYPE, DUAL, MASTER/SLAVE	MOTOROLA
10H531/BFAJC	5962-8756101FA	1	FLIP-FLOP, D-TYPE, DUAL, MASTER/SLAVE	MOTOROLA
10H531M/B2AJC	5962-87561012A	1	FLIP-FLOP, D-TYPE, DUAL, MASTER/SLAVE	MOTOROLA
10H535/BEAJC	5962-8750501EA	1	FLIP-FLOP, JK, DUAL, MASTER SLAVE	MOTOROLA
10H535/BFAJC	5962-8750501FA	1	FLIP-FLOP, JK, DUAL, MASTER SLAVE	MOTOROLA
10H535M/B2AJC	5962-87505012A	1	FLIP-FLOP, JK, DUAL, MASTER SLAVE	MOTOROLA
10H536/BEAJC	5962-8700101EA	1	UNIVERSAL COUNTER	MOTOROLA
10H536/BFAJC	5962-8700101FA	1	UNIVERSAL COUNTER	MOTOROLA
10H536M/B2AJC	5962-87001012A	1	UNIVERSAL COUNTER	MOTOROLA
10H541/BEAJC	5962-8751101EA	1	SHIFT REGISTER, 4-BIT UNIVERSAL	MOTOROLA
10H541/BFAJC	5962-8751101FA	1	SHIFT REGISTER, 4-BIT UNIVERSAL	MOTOROLA
10H541M/B2AJC	5962-87511012A	1	SHIFT REGISTER, 4-BIT UNIVERSAL	MOTOROLA
10H558/BEAJC	5962-8756601EA	1	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
10H558/BFAJC	5962-8756601FA	1	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
10H558M/B2AJC	5962-87566012A	1	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, NONINVERTING	MOTOROLA
10H560/BEAJC	5962-8756201EA	1	PARITY GENERATOR/CHECKER, 12-BIT	MOTOROLA
10H560/BFAJC	5962-8756201FA	1	PARITY GENERATOR/CHECKER, 12-BIT	MOTOROLA
10H560M/B2AJC	5962-87562012A	1	PARITY GENERATOR/CHECKER, 12-BIT	MOTOROLA
10H561/BEAJC	5962-8756701EA	1	DECODER, BINARY TO 1-OF-8	MOTOROLA
10H561/BFAJC	5962-8756701FA	1	DECODER, BINARY TO 1-OF-8	MOTOROLA
10H561M/B2AJC	5962-87567012A	1	DECODER, BINARY TO 1-OF-8	MOTOROLA
10H564/BEAJC	5962-8772901EA	1	MULTIPLEXER, 8-INPUT	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
10H564/BFAJC	5962-8772901FA	1	MULTIPLEXER, 8-INPUT	MOTOROLA
10H564M/B2AJC	5962-87729012A	1	MULTIPLEXER, 8-INPUT	MOTOROLA
10H571/BEAJC	5962-8756801EA	1	DECODER, BINARY TO 1-4	MOTOROLA
10H571/BFAJC	5962-8756801FA	1	DECODER, BINARY TO 1-4	MOTOROLA
10H571M/B2AJC	5962-87568012A	1	DECODER, BINARY TO 1-4	MOTOROLA
10H574/BEAJC	5962-8750601EA	1	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
10H574/BFAJC	5962-8750601FA	1	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
10H574M/B2AJC	5962-87506012A	1	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
10H576/BEAJC	5962-8751201EA	1	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE	MOTOROLA
10H576/BFAJC	5962-8751201FA	1	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE	MOTOROLA
10H576M/B2AJC	5962-87512012A	1	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE	MOTOROLA
10H586/BEAJC	5962-8756301EA	1	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE, WITH RESET	MOTOROLA
10H586/BFAJC	5962-8756301FA	1	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE, WITH RESET	MOTOROLA
10H586M/B2AJC	5962-87563012A	1	FLIP-FLOP, D-TYPE, HEX, MASTER/SLAVE, WITH RESET	MOTOROLA
10H588/BEAJC	5962-8750901EA	1	HEX BUFFER, WITH ENABLE	MOTOROLA
10H588/BFAJC	5962-8750901FA	1	HEX BUFFER, WITH ENABLE	MOTOROLA
10H588M/B2AJC	5962-87509012A	1	HEX BUFFER, WITH ENABLE	MOTOROLA
10H589/BEAJC	5962-8751001EA	1	HEX INVERTER, WITH ENABLE	MOTOROLA
10H589/BFAJC	5962-8751001FA	1	HEX INVERTER, WITH ENABLE	MOTOROLA
10H589M/B2AJC	5962-87510012A	1	HEX INVERTER, WITH ENABLE	MOTOROLA
10H609/BEAJC	5962-8756901EA	1	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
10H609/BFAJC	5962-8756901FA	1	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
10H609M/B2AJC	5962-87569012A	1	OR/NOR GATE, DUAL 4-5 INPUT	MOTOROLA
10H610/BEAJC	5962-8754101EA	1	OR GATE, DUAL 3-INPUT, 3-OUTPUT	MOTOROLA
10H610/BFAJC	5962-8754101FA	1	OR GATE, DUAL 3-INPUT, 3-OUTPUT	MOTOROLA
10H610M/B2AJC	5962-87541012A	1	OR GATE, DUAL 3-INPUT, 3-OUTPUT	MOTOROLA
10H750/BEAJC	5962-9058801MEA	1	VOLTAGE TRANSLATOR, ECL-TO-TTL	MOTOROLA
10H750/BFAJC	5962-9058801MFA	1	VOLTAGE TRANSLATOR, ECL-TO-TTL	MOTOROLA
10H750M/B2AJC	5962-9058801M2A	1	VOLTAGE TRANSLATOR, ECL-TO-TTL	MOTOROLA
111/BPAJC	M38510/10304BPA	1(0)	VOLT. COMPARATOR/BUFFER, PRECISION	MOTOROLA
117AIG	7703405UA	3	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
117AR	7703405ZA	3	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
117K	7703401YA	3	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
117KJAN	M38510/11704BYA	3	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
117L	77034012A	3	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
117R	7703401ZA	3	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
117T	7703401XA	3	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			MODE	
1844Y	5962-8670403PA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1845F	5962-8670404HA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1845J	5962-8670404EA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1845Y	5962-8670404PA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1846F	5962-8680601FA	1	PULSE WIDTH MODULATOR CONTROLLER, CURRENT-MODE	LINFINITY
1846J	5962-8680601EA	1	PULSE WIDTH MODULATOR CONTROLLER, CURRENT-MODE	LINFINITY
1846L	5962-86806012A	1	PULSE WIDTH MODULATOR CONTROLLER, CURRENT-MODE	LINFINITY
1HK84	5962H92A0101QYX	1	CONTROLLER, SERIAL COMMUNICATION	HONEYWELL
1HL08	5962R93A0101QYX	2	GATE ARRAY, SEMICUSTOM	HONEYWELL
2001JJAN	M38510/14101BEA	2	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
2002JJAN	M38510/14102BEA	1	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
2003A/BEAJC	M38510/14103BEA	1(0)	TRANSISTOR ARRAY, DARLINGTON	MOTOROLA
2003JJAN	M38510/14103BEA	2	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
2004JJAN	M38510/14104BEA	1	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
2005JJAN	M38510/14105BEA	2	TRANSISTOR ARRAY	LINFINITY
20101JJAN	M38510/10105BEA	1	OP AMP, DUAL	LINFINITY
2023J	5962-8987601EA	2	TRANSISTOR ARRAY, 7-GATE DARLINGTON	LINFINITY
20L8-15	M38510/50501BLA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
20R4-15	M38510/50504BLA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
20R6-15	M38510/50503BLA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
20R8-15	M38510/50502BLA	1(0)	PROG. LOGIC DEVICE. 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
26LS31/BEAJC	5962-7802301MEA	1	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	MOTOROLA
26LS31/BEAJC	7802301EA	1	LINE DRIVER. QUAD DIFFERENTIAL. HIGH-SPEED	MOTOROLA
26LS31/BFAJC	5962-7802301MFA	1	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	MOTOROLA
26LS31/BFAJC	7802301FA	1	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	MOTOROLA
26LS31M/B2AJC	5962-7802301M2A	1(0)	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	MOTOROLA
26LS31M/B2AJC	78023012A	1(0)	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	MOTOROLA
26LS32/BEAJC	7802001EA	1(0)	LINE RECEIVER. QUAD DIFFERENTIAL	MOTOROLA
26LS32/BEAJC	5962-7802001MEA	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
26LS32/BFAJC	7802001FA	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
26LS32/BFAJC	5962-7802001MFA	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
26LS32M/B2AJC	78020012A	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA
26LS32M/B2AJC	5962-7802001M2A	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
2801JJAN	M38510/14106BVA	2	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
2802JJAN	M38510/14107BVA	1	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
2803J	5962-8605801VA	2	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
2803JJAN	M38510/14108BVA	2	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
2804JJAN	M38510/14109BVA	1	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
2805JJAN	M38510/14110BVA	1	TRANSISTOR ARRAY, DARLINGTON	LINFINITY
2821J	5962-8968401VA	2	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
2821L	5962-89684012A	2	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
2823J	5962-8968501VA	2	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
2823L	5962-89685012A	2	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
2824J	5962-8968601VA	2	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
2824L	5962-89686012A	2	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE	LINFINITY
3081J	5962-8866401EA	1	TRANSISTOR ARRAY, HIGH-CURRENT NPN	LINFINITY
35063/BPAJC	5962-9075701MPA	2	DC/DC CONVERTER CONTROL CIRCUIT	MOTOROLA
35074/BCAJC	5962-8996901CA	1	OP AMP, QUAD, SINGLE SUPPLY	MOTOROLA
35074A/BCAJC	5962-8996902CA	1	OP AMP, QUAD, SINGLE SUPPLY	MOTOROLA
35074AM/B2AJC	5962-89969022A	1	OP AMP, QUAD, SINGLE SUPPLY	MOTOROLA
35074M/B2AJC	5962-89969012A	1	OP AMP, QUAD, SINGLE SUPPLY	MOTOROLA
35164/BPAJC	5962-9231801MPA	3	SENSING CIRCUIT, UNDERVOLTAGE	MOTOROLA
3517/BEAJC	5962-8764301EA	1	MODULATOR/DEMODULATOR, CONTINOUSLY VARIABLE SLOPE DELTA	MOTOROLA
3517M/B2AJC	5962-87643012A	1	MODULATOR/DEMODULATOR, CONTINOUSLY VARIABLE SLOPE DELTA	MOTOROLA
3523/BFAJC	5962-8978001PA	2	SENSING CIRCUIT, OVERVOLTAGE	MOTOROLA
431/BPAJC	8410901PA	1(0)	VOLT. REFERENCE, PROGRAMMABLE	MOTOROLA
431/BPAJC	M38510/14801BPA	1(0)	VOLT. REFERENCE DIODE, 2.5V	MOTOROLA
4344/BCAJC	5962-8780301CA	1	PHASE/FREQUENCY DETECTOR	MOTOROLA
4344/BDAJC	5962-8780301DA	1	PHASE/FREQUENCY DETECTOR	MOTOROLA
5400	M38510/00104BCA	1(0)	NAND GATE, QUAD 2-INPUT	T.I.
5400	M38510/00104BDA	1(0)	NAND GATE, QUAD 2-INPUT	T.I.
5402	M38510/00401BDA	1(0)	NOR GATE, QUAD 2-INPUT	T.I.
5402	M38510/00401BCA	1(0)	NOR GATE, QUAD 2-INPUT	T.I.
5403	M38510/00109BCA	2(2)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5404	M38510/00105BDA	1(0)	HEX INVERTER	T.I.
5404	M38510/00105BCA	1(0)	HEX INVERTER	T.I.
5405	M38510/00108BCA	1(0)	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5406	M38510/00801BCA	2(2)	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
5406	M38510/00801BDA	2(2)	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5407	M38510/00803BDA	2(2)	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5407	M38510/00803BCA	2(2)	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5410	M38510/00103BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	T.I.
5410	M38510/00103BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	T.I.
54107	M38510/00203BCA	1(0)	FLIP-FLOP, JK, DUAL	T.I.
54123	M38510/01203BEA	1(0)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE	T.I.
54161	M38510/01306BFA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
54161	M38510/01306BEA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
54164	M38510/00903BCA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	T.I.
54174	M38510/01701BEA	1(0)	FLIP-FLOP, D-TYPE, HEX	T.I.
54174	M38510/01701BFA	1(0)	FLIP-FLOP, D-TYPE, HEX	T.I.
54175	M38510/01702BFA	2(2)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54175	M38510/01702BEA	2(2)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54193	M38510/01309BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
5425	M38510/00403BCA	2(2)	NOR GATE, DUAL 4-INPUT, W/STROBE	T.I.
5427	M38510/00404BCA	1(0)	NOR GATE, TRIPLE 3-INPUT	T.I.
5432	M38510/16101BCA	1(0)	OR GATE, QUAD 2-INPUT	T.I.
54367	M38510/16303BEA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54368	M38510/16304BEA	1(0)	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	T.I.
5438	M38510/00303BDA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5438	M38510/00303BCA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
5450	M38510/00501BCA	1(0)	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	T.I.
5451	M38510/00502BCA	1(0)	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
5451BY	7704902PA	1	PERIPHERAL DRIVER, DUAL AND	LINFINITY
5453	M38510/00503BCA	1(0)	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	T.I.
5474	M38510/00205BDA	1(0)	FLIP-FLOP, D-TYPE, DUAL	T.I.
5474	M38510/00205BCA	1(0)	FLIP-FLOP, D-TYPE, DUAL	T.I.
5485	M38510/15001BEA	1(0)	MAGNITUDE COMPARATOR, 4-BIT	T.I.
54ABT245	5962-9214801M2A	3(4)		T.I.
54ABT245	5962-9214801MSA	3(4)		T.I.
54ABT245	5962-9214801MRA	3(4)		T.I.
54ABT6240	5962-9319901MXA	2(2)		T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54AC00/BCAJC	5962-8754901CA	2	NAND GATE, QUAD 2-INPUT	MOTOROLA
54AC00DMQB	5962-8754901CA	3	NAND GATE, QUAD 2-INPUT	NATIONAL
54AC00FMQB	5962-8754901DA	3	NAND GATE, QUAD 2-INPUT	NATIONAL
54AC00LMQB	5962-87549012A	3	NAND GATE, QUAD 2-INPUT	NATIONAL
54AC02/BCAJC	5962-8761201CA	3	NOR GATE, QUAD 2-INPUT	MOTOROLA
54AC02DMQB	5962-8761201CA	1	NOR GATE, QUAD 2-INPUT	NATIONAL
54AC02FMQB	5962-8761201DA	1	NOR GATE, QUAD 2-INPUT	NATIONAL
54AC02LMQB	5962-87612012A	1	NOR GATE, QUAD 2-INPUT	NATIONAL
54AC04DMQB	5962-8760901CA	1	HEX INVERTER	NATIONAL
54AC04FMQB	5962-8760901DA	1	HEX INVERTER	NATIONAL
54AC04LMQB	5962-87609012A	1	HEX INVERTER	NATIONAL
54AC05DMQB	5962-9059001MCA	3	HEX INVERTER, WITH OPEN-DRAIN OUTPUTS	NATIONAL
54AC05FMQB	5962-9059001MDA	3	HEX INVERTER, WITH OPEN-DRAIN OUTPUTS	NATIONAL
54AC05LMQB	5962-9059001M2A	3	HEX INVERTER, WITH OPEN-DRAIN OUTPUTS	NATIONAL
54AC08DMQB	5962-8761501CA	1	AND GATE, QUAD 2-INPUT	NATIONAL
54AC08FMQB	5962-8761501DA	1	AND GATE, QUAD 2-INPUT	NATIONAL
54AC08LMQB	5962-87615012A	1	AND GATE, QUAD 2-INPUT	NATIONAL
54AC109DMQB	5962-8955101EA	3	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
54AC109FMQB	5962-8955101FA	3	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
54AC109LMQB	5962-89551012A	3	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
54AC10DMQB	5962-8761001CA	1	NAND GATE, TRIPLE 3-INPUT	NATIONAL
54AC10FMQB	5962-8761001DA	1	NAND GATE, TRIPLE 3-INPUT	NATIONAL
54AC10LMQB	5962-87610012A	1	NAND GATE, TRIPLE 3-INPUT	NATIONAL
54AC11DMQB	5962-8761101CA	1	AND GATE, TRIPLE 3-INPUT	NATIONAL
54AC11FMQB	5962-8761101DA	1	AND GATE, TRIPLE 3-INPUT	NATIONAL
54AC11LMQB	5962-87611012A	1	AND GATE, TRIPLE 3-INPUT	NATIONAL
54AC138DMQB	5962-8762201EA	1	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
54AC138FMQB	5962-8762201FA	1	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
54AC138LMQB	5962-87622012A	1	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
54AC139DMQB	5962-8762301EA	1	DECODER, DUAL 2-TO-4-LINE	NATIONAL
54AC139FMQB	5962-8762301FA	1	DECODER, DUAL 2-TO-4-LINE	NATIONAL
54AC139LMQB	5962-87623012A	1	DECODER, DUAL 2-TO-4-LINE	NATIONAL
54AC14DMQB	5962-8762401CA	1	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
54AC14FMQB	5962-8762401DA	1	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
54AC14LMQB	5962-87624012A	1	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
54AC151DMQB	5962-8769101EA	2	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54AC151FMQB	5962-8769101FA	2	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
54AC151LMQB	5962-87691012A	2	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
54AC153DMQB	5962-8762501EA	1	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
54AC153FMQB	5962-8762501FA	1	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
54AC153LMQB	5962-87625012A	1	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
54AC157DMQB	5962-8953901EA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
54AC157FMQB	5962-8953901FA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
54AC157LMQB	5962-89539012A	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
54AC158DMQB	5962-8972901EA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
54AC158FMQB	5962-8972901FA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
54AC158LMQB	5962-89729012A	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
54AC161DMQB	5962-8956101EA	3	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
54AC161FMQB	5962-8956101FA	3	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
54AC161LMQB	5962-89561012A	3	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
54AC163DMQB	5962-8958201EA	2	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
54AC163FMQB	5962-8958201FA	2	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
54AC163LMQB	5962-89582012A	2	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
54AC169DMQB	5962-9160301MEA	3	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
54AC169FMQB	5962-9160301MFA	3	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
54AC169LMQB	5962-9160301M2A	3	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
54AC174FMQB	5962-8762601FA	3	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
54AC174LMQB	5962-87626012A	1	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
54AC175DMQB	5962-8955201EA	3	FLIP-FLOP, D-TYPE, 4-BIT, WITH MASTER RESET	NATIONAL
54AC175FMQB	5962-8955201FA	3	FLIP-FLOP, D-TYPE, 4-BIT, WITH MASTER RESET	NATIONAL
54AC175LMQB	5962-89552012A	3	FLIP-FLOP, D-TYPE, 4-BIT, WITH MASTER RESET	NATIONAL
54AC191DMQB	5962-8974901EA	3	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
54AC191FMQB	5962-8974901FA	3	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
54AC191LMQB	5962-89749012A	3	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
54AC200MQB	5962-8761301CA	1	NAND GATE, DUAL 4-INPUT	NATIONAL
54AC20FMQB	5962-8761301DA	1	NAND GATE, DUAL 4-INPUT	NATIONAL
54AC20LMQB	5962-87613012A	1	NAND GATE, DUAL 4-INPUT	NATIONAL
54AC240/BRAJC	5962-8755001RA	3	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54AC240DMQB	5962-8755001RA	3	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC240FMQB	5962-8755001SA	3	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54AC240LMQB	5962-87550012A	3	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC241DMQB	5962-8755101RA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC241FMQB	5962-8755101SA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC241LMQB	5962-87551012A	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC244/BRAJC	5962-8755201RA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54AC244DMQB	5962-8755201RA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC244FMQB	5962-8755201SA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC244LMQB	5962-87552012A	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC245DMQB	5962-8775801RA	3	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
54AC245FMQB	5962-8775801SA	3	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
54AC245LMQB	5962-87758012A	3	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
54AC251DMQB	5962-8769201EA	3	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54AC251FMQB	5962-8769201FA	3	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54AC251LMQB	5962-87692012A	3	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54AC2525DMQB	5962-9217401MCA			NATIONAL
54AC2525FMQB	5962-9217401MDA			NATIONAL
54AC2525LMQB	5962-9217401M2A			NATIONAL
54AC253DMQB	5962-8769301EA	2	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54AC253FMQB	5962-8769301FA	2	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54AC253LMQB	5962-87693012A	2	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54AC257DMQB	5962-8870301EA	2	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54AC257FMQB	5962-8870301FA	2	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54AC257LMQB	5962-88703012A	2	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54AC258DMQB	5962-9160401MEA	3	MULTIPLEXER, QUAD 2-INPUT, 3-STATE OUTPUTS	NATIONAL
54AC258FMQB	5962-9160401MFA	3	MULTIPLEXER, QUAD 2-INPUT, 3-STATE OUTPUTS	NATIONAL
54AC258LMQB	5962-9160401M2A	3	MULTIPLEXER, QUAD 2-INPUT, 3-STATE OUTPUTS	NATIONAL
54AC273DMQB	5962-8775601RA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54AC273FMQB	5962-8775601SA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
54AC273LMQB	5962-87756012A	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
54AC280DMQB	5962-9220101MCA	3	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
54AC280FMQB	5962-9220101MDA	3	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
54AC280LMQB	5962-9220101M2A	3	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
54AC299DMQB	5962-8875401RA	3	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
54AC299FMQB	5962-8875401SA	3	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
54AC299LMQB	5962-88754012A	3	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
54AC32DMQB	5962-8761401CA	1	OR GATE, QUAD 2-INPUT	NATIONAL
54AC32FMQB	5962-8761401DA	1	OR GATE, QUAD 2-INPUT	NATIONAL
54AC32LMQB	5962-87614012A	1	OR GATE, QUAD 2-INPUT	NATIONAL
54AC373DMQB	5962-8755501RA	3	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
54AC373FMQB	5962-8755501SA	3	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
54AC373LMQB	5962-87555012A	3	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
54AC374DMQB	5962-8769401RA	2	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54AC374FMQB	5962-8769401SA	2	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54AC374LMQB	5962-87694012A	2	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54AC377DMQB	5962-8870201RA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
54AC377FMQB	5962-8870201SA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
54AC377LMQB	5962-88702012A	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
54AC378DMQB	5962-9160501MEA	3	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE	NATIONAL
54AC378FMQB	5962-9160501MFA	3	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE	NATIONAL
54AC378LMQB	5962-9160501M2A	3	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE	NATIONAL
54AC520DMQB	5962-9091601MRA	3	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE AND PULL-UP RESISTORS	NATIONAL
54AC520FMQB	5962-9091601MSA	3	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE AND PULL-UP RESISTORS	NATIONAL
54AC520LMQB	5962-9091601M2A	3	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE AND PULL-UP RESISTORS	NATIONAL
54AC521DMQB	5962-9098501MRA	3	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE	NATIONAL
54AC521FMQB	5962-9098501MSA	3	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE	NATIONAL
54AC521LMQB	5962-9098501M2A	3	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE	NATIONAL
54AC540DMQB	5962-8769501RA	3	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC540FMQB	5962-8769501SA	3	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC540LMQB	5962-87695012A	3	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE	NATIONAL

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
54AC541DMQB	5962-8870601RA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC541FMQB	5962-8870601SA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC541LMQB	5962-88706012A	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54AC646FMQB	5962-8968201KA	3	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54AC646LMQB	5962-89682013A	3	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54AC646SDMQB	5962-8968201LA	3	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54AC740MQB	5962-8852001CA	3	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
54AC74FMQB	5962-8852001DA	3	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
54AC74LMQB	5962-88520012A	3	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
54AC821FMQB	5962-9160601MKA	1(0)	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54AC821LMQB	5962-9160601M3A	1(0)	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54AC821SDMQB	5962-9160601MLA	1(0)	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54AC86/BCAJC	5962-8955001CA	3	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
54AC86DMQB	5962-8955001CA	2	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
54AC86FMQB	5962-8955001DA	2	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
54AC86LMQB	5962-89550012A	2	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
54ACQ244DMQB	5962-9217601MRA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54ACQ244FMQB	5962-9217601MSA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54ACQ244LMQB	5962-9217601M2A	3	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54ACQ245DMQB	5962-9217701MRA			NATIONAL
54ACQ245FMQB	5962-9217701MSA			NATIONAL
54ACQ245LMQB	5962-9217701M2A			NATIONAL
54ACT00DMQB	5962-8769901MCA	2	NAND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
54ACT00FMQB	5962-8769901MDA	2	NAND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
54ACT00LMQB	5962-8769901M2A	2	NAND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
54ACT109DMQB	5962-8853401EA	3	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH TTL-COMPATIBLE INPUTS	NATIONAL
54ACT109FMQB	5962-8853401FA	3	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH TTL-COMPATIBLE INPUTS	NATIONAL
54ACT109LMQB	5962-88534012A	3	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH TTL-COMPATIBLE INPUTS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ACT112DMQB	5962-8995001MEA	3	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED, WITH ASYNCHRONOUS SET AND CLEAR	NATIONAL
54ACT112FMQB	5962-8995001MFA	3	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED, WITH ASYNCHRONOUS SET AND CLEAR	NATIONAL
54ACT112LMQB	5962-8995001M2A	3	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED, WITH ASYNCHRONOUS SET AND CLEAR	NATIONAL
54ACT138DMQB	5962-8755401MEA	3	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
54ACT138FMQB	5962-8755401MFA	3	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
54ACT138LMQB	5962-8755401M2A	3	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
54ACT139DMQB	5962-8755301EA	3	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE	NATIONAL
54ACT139FMQB	5962-8755301FA	3	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE	NATIONAL
54ACT139LMQB	5962-87553012A	3	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE	NATIONAL
54ACT151/BEAJC	5962-8875601MEA	3	DECODER/DEMULTIPLEXER, 8-INPUT, TTL-COMPATIBLE	MOTOROLA
54ACT151DMQB	5962-8875601MEA	3	DECODER/DEMULTIPLEXER, 8-INPUT, TTL-COMPATIBLE	NATIONAL
54ACT151FMQB	5962-8875601MFA	3	DECODER/DEMULTIPLEXER, 8-INPUT, TTL-COMPATIBLE	NATIONAL
54ACT151LMQB	5962-8875601M2A	3	DECODER/DEMULTIPLEXER, 8-INPUT, TTL-COMPATIBLE	NATIONAL
54ACT153DMQB	5962-8769801EA	3	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT153FMQB	5962-8769801FA	3	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT153LMQB	5962-87698012A	3	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT157DMQB	5962-8968801EA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT157FMQB	5962-8968801FA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT157LMQB	5962-89688012A	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT158DMQB	5962-8875501EA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
54ACT158FMQB	5962-8875501FA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
54ACT158LMQB	5962-88755012A	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
54ACT161DMQB	5962-9172201MEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, ASYNCHRONOUS RESET, TTL-COMPATIB	NATIONAL
54ACT161FMQB	5962-9172201MFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, ASYNCHRONOUS RESET, TTL-COMPATIB	NATIONAL
54ACT161LMQB	5962-9172201M2A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, ASYNCHRONOUS RESET, TTL-COMPATIB	NATIONAL
54ACT163DMQB	5962-9172301MEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, SYNCHRONOUS RESET, TTL-COMPATIBL	NATIONAL
54ACT163FMQB	5962-9172301MFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, SYNCHRONOUS RESET, TTL-COMPATIBL	NATIONAL
54ACT163LMQB	5962-9172301M2A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, SYNCHRONOUS RESET, TTL-COMPATIBL	NATIONAL
54ACT174/DMQB	5962-8775701EA	3	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET AND TTL-COMPATIBLE INPUTS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ACT174/FMQB	5962-8775701FA	3	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET AND TTL-COMPATIBLE INPUTS	NATIONAL
54ACT174/LMQB	5962-87757012A	3	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET AND TTL-COMPATIBLE INPUTS	NATIONAL
54ACT175DMQB	5962-8969301EA	3	FLIP-FLOP, D-TYPE, 4-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT175FMQB	5962-8969301FA	3	FLIP-FLOP, D-TYPE, 4-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT175LMQB	5962-89693012A	3	FLIP-FLOP, D-TYPE, 4-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT240DMQB	5962-8775901MRA	3	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT240FMQB	5962-8775901MSA	3	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT240LMQB	5962-8775901M2A	3	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT241DMQB	5962-8984701RA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT241FMQB	5962-8984701SA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT241LMQB	5962-89847012A	3	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT244/BRAJC	5962-8776001MRA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	MOTOROLA
54ACT244DMQB	5962-8776001MRA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT244FMQB	5962-8776001MSA	3	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT244LMQB	5962-8776001M2A	3	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT245DMQB	5962-8766301MRA	3	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT245FMQB	5962-8766301MSA	3	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT245LMQB	5962-8766301M2A	3	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT251DMQB	5962-8959901EA	3	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT251FMQB	5962-8959901FA	3	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT251LMQB	5962-89599012A	3	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT253DMQB	5962-8776101EA	3	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT253FMQB	5962-8776101FA	3	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT253LMQB	5962-87761012A	3	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT257DMQB	5962-8968901EA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT257FMQB	5962-8968901FA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ACT257LMQB	5962-89689012A	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT258DMQB	5962-8870401EA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54ACT258FMQB	5962-8870401FA	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54ACT258LMQB	5962-88704012A	3	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
54ACT299DMQB	5962-8877101RA	3	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS, TTL-COMP	NATIONAL
54ACT299FMQB	5962-8877101SA	3	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS, TTL-COMP	NATIONAL
54ACT299LMQB	5962-88771012A	3	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS, TTL-COMP	NATIONAL
54ACT323DMQB	5962-9160701MRA	3	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH SYNCHRONOUS RESET AND COMMON I/O	NATIONAL
54ACT323FMQB	5962-9160701MSA	3	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH SYNCHRONOUS RESET AND COMMON I/O	NATIONAL
54ACT323LMQB	5962-9160701M2A	3	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH SYNCHRONOUS RESET AND COMMON I/O	NATIONAL
54ACT373DMQB	5962-8755601RA	3	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT373FMQB	5962-8755601SA	3	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT373LMQB	5962-87556012A	3	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT374DMQB	5962-8763101RA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT374FMQB	5962-8763101SA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT374LMQB	5962-87631012A	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT377DMQB	5962-8769701MRA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT377FMQB	5962-8769701MSA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT377LMQB	5962-8769701M2A	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT520DMQB	5962-8979301RA	3	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT520FMQB	5962-8979301SA	3	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT520LMQB	5962-89793012A	3	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT521DMQB	5962-8979302RA	3	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT521FMQB	5962-8979302SA	3	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT521LMQB	5962-89793022A	3	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT534DMQB	5962-8965801RA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT534FMQB	5962-8965801SA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ACT534LMQB	5962-89658012A	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT563DMQB	5962-8955601RA	3	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT563FMQB	5962-8955601SA	3	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT563LMQB	5962-89556012A	3	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT564DMQB	5962-8955701RA	2	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54ACT564FMQB	5962-8955701SA	2	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54ACT564LMQB	5962-89557012A	2	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54ACT573DMQB	5962-8766401RA	3	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT573FMQB	5962-8766401SA	3	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT573LMQB	5962-87664012A	3	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT574DMQB	5962-8960101MRA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54ACT574FMQB	5962-8960101MSA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54ACT574LMQB	5962-8960101M2A	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54ACT74DMQB	5962-8752501MCA	3	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR AND TTL-COMPATIBLE INPUTS	NATIONAL
54ACT74FMQB	5962-8752501MDA	3	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR AND TTL-COMPATIBLE INPUTS	NATIONAL
54ACT74LMQB	5962-8752501M2A	3	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR AND TTL-COMPATIBLE INPUTS	NATIONAL
54ACT818FMQB	5962-9160901MKA	3	PIPELINE REGISTER, 8-BIT DIAGNOSTIC, TTL COMPATIBLE INPUTS	NATIONAL
54ACT818LMQB	5962-9160901M3A	3	PIPELINE REGISTER, 8-BIT DIAGNOSTIC, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT818SDMQB	5962-9160901MLA	3	PIPELINE REGISTER, 8-BIT DIAGNOSTIC, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT821FMQB	5962-8870501KA	3	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT821LMQB	5962-88705013A	3	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT821SDMQB	5962-8870501LA	3	FLIP-FLOP, D-TYPE, 10-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACT823FMQB	5962-9161001MKA	1(0)	FLIP-FLOP, D-TYPE, 9-BIT, POS. EDGE-TRIGGERED, TTL-COMP INPUTS, TS-OUTPUTS	NATIONAL
54ACT823LMQB	5962-9161001M3A	1(0)	FLIP-FLOP, D-TYPE, 9-BIT, POS. EDGE-TRIGGERED, TTL-COMP INPUTS, TS-OUTPUTS	NATIONAL
54ACT823SDMQB	5962-9161001MLA	1(0)	FLIP-FLOP, D-TYPE, 9-BIT, POS. EDGE-TRIGGERED, TTL-COMP INPUTS, TS-OUTPUTS	NATIONAL
54ACT825FMQB	5962-9161101MKA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, TTL-COMPATIBLE INPUTS, POSITIVE EDGE-TRIGGERED	NATIONAL
54ACT825LMQB	5962-9161101M3A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, TTL-COMPATIBLE INPUTS, POSITIVE EDGE-TRIGGERED	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
117T.JAN	M38510/11703BXA	3	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
124/BCAJC	M38510/11005BCA	1(0)	OP AMP, QUAD	MOTOROLA
12509/BEAJC	5962-8774801MEA	1	PRESCALER, TWO-MODULUS, ECL-TO-TTL TRANSLATOR	MOTOROLA
12511/BEAJC	5962-8774301MEA	1	PRESCALER, TWO-MODULUS, ECL-TO-TTL TRANSLATOR	MOTOROLA
12513/BEAJC	5962-8774901MEA	1	PRESCALER, TWO-MODULUS, ECL-TO-TTL TRANSLATOR, WITH DIVIDE BY 10 AND 11	MOTOROLA
12514/BEAJC	5962-8775101MEA	1	DIGITAL COUNTER CONTROL LOGIC	MOTOROLA
12540/BCAJC	5962-8775201CA	1	PHASE/FREQUENCY DETECTOR	MOTOROLA
1371G	7703403UA	3	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
137AIG	7703406UA	3	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
137AK	7703406YA	3	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
137AR	7703406ZA	3	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
137AT	7703406XA	3	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
137K	7703403YA	3	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
137K.JAN	M38510/11804BYA	3	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
137L	77034032A	3	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
137R	7703403ZA	3	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
137T	7703403XA	3	VOLT. REGULATOR, ADJ., NEGATIVE	LINFINITY
139/BCAJC	M38510/11201BCA	1(0)	VOLT. COMPARATOR, QUAD	MOTOROLA
14053B/BEAJC	8101802EA	2	ANALOG MULTIPLEXER/DEMULTIPLEXER, TRIPLE 2-CHANNEL	MOTOROLA
14072B/BCAJC	7706001CA	1(0)	OR GATE, DUAL 4-INPUT	MOTOROLA
14073B/BCAJC	7705101CA	1(0)	AND GATE, TRIPLE 3-INPUT	MOTOROLA
14081B/BCAJC	7702401CA	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
14082B/BCAJC	7705901CA	1(0)	AND GATE, DUAL 4-INPUT	MOTOROLA
143T	7800303XA	1	OP AMP, HIGH-VOLTAGE	LINFINITY
143Y	7800303PA	1	OP AMP, HIGH-VOLTAGE	LINFINITY
14490A/BEAJC	5962-8764601EA	1	CONTACT BOUNCE ELIMINATOR, HEX	MOTOROLA
14502B/BEAJC	7702001EA	1(0)	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	MOTOROLA
14538B/BEAJC	5962-9055702EA	1	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE/RESETTABLE, PRECISION	MOTOROLA
14557B/BEAJC	7901601EA	1(0)	SHIFT REGISTER, 1-TO-64 BIT	MOTOROLA
14584B/BCAJC	5962-8550102CA	1	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
1503T	5962-8686101XA	3	VOLT. REFERENCE, 2.5V, PRECISION (1%)	LINFINITY
1503Y	5962-8686101PA	3	VOLT. REFERENCE, 2.5V, PRECISION (1%)	LINFINITY
1524BJ	5962-8764501EA	1	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
1524J	7802801EA	1	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
1525AJ	5962-8951101EA	1	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
1525AJ.JAN	M38510/12602BEA	1	PULSE WIDTH MODULATOR, REGULATING	LINFINITY

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
1526/BVAJC	M38510/12603BVA	1(0)	PULSE WIDTH MODULATOR, REGULATING	MOTOROLA
1526/BVAJC	8551501VA	1(0)	PULSE WIDTH MODULATOR, REGULATING	MOTOROLA
1526BJ	8551501VA	1	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
1526BJJAN	M38510/12603BEA	1	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
1527AJ	5962-8951102EA	1	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
1527AJJAN	M38510/12604BEA	1	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
152JJAN	M38510/12601BEA	1	PULSE WIDTH MODULATOR, REGULATING	LINFINITY
1532J	5962-8777001CA	1	VOLT. REGULATOR	LINFINITY
1532T	5962-8777001IA	1	VOLT. REGULATOR	LINFINITY
1536T	7800304XA	1	OP AMP, HIGH-VOLTAGE	LINFINITY
1536Y	7800304PA	1	OP AMP, HIGH-VOLTAGE	LINFINITY
1543J	5962-8774001EA	1	POWER SUPPLY OUTPUT SUPERVISORY CIRCUIT	LINFINITY
1544J	5962-8774002VA	1	POWER SUPPLY OUTPUT SUPERVISORY CIRCUIT	LINFINITY
1545/BCAJC	5962-8671201CA	1	WIDEBAND AMPLIFIER, TWO-CHANNEL INPUT	MOTOROLA
1545/BIAJC	5962-8671201IA	1	WIDEBAND AMPLIFIER, TWO-CHANNEL INPUT	MOTOROLA
1549Y	5962-8684901PA	1	ANALOG LATCH, CURRENT SENSING, WITH DIGITAL RESET	LINFINITY
158/BGAJC	5962-8771001GA	1	OP AMP, DUAL, LOW-POWER	MOTOROLA
158/BPAJC	5962-8771001PA	1	OP AMP, DUAL, LOW-POWER	MOTOROLA
1590/BGAJC	5962-8765701GA	1	WIDEBAND AMPLIFIER, WITH AGC	MOTOROLA
1596/BCAJC	5962-8857101CA	2	MODULATOR/DEMODULATOR, BALANCED	MOTOROLA
1596/BIAJC	5962-8857101IA	2	MODULATOR/DEMODULATOR, BALANCED	MOTOROLA
1626J	5962-8871601CA	3	DRIVER, DUAL HIGH-SPEED INVERTING	LINFINITY
1626R	5962-8871601XA	3	DRIVER, DUAL HIGH-SPEED INVERTING	LINFINITY
1626T	5962-8871601GA	3	DRIVER, DUAL HIGH-SPEED INVERTING	LINFINITY
1626Y	5962-8871601PA	3	DRIVER, DUAL HIGH-SPEED INVERTING	LINFINITY
1644J	5962-9165301MCA	2	DRIVER, DUAL, HIGH-SPEED	LINFINITY
1644T	5962-9165301MGA	2	DRIVER, DUAL, HIGH-SPEED	LINFINITY
1644Y	5962-9165301MPA	2	DRIVER, DUAL, HIGH-SPEED	LINFINITY
1648M/BCAJC	5962-8977801CA	1	OSCILLATOR, VOLTAGE-CONTROLLED	MOTOROLA
1648M/BDAJC	5962-8977801DA	1	OSCILLATOR, VOLTAGE-CONTROLLED	MOTOROLA
1648MM/B2AJC	5962-89778012A	1	OSCILLATOR, VOLTAGE-CONTROLLED	MOTOROLA
16L8A	M38510/50401BRA	2(2)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
16L8A	M38510/50605BRA	1(1.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
16L8A-15	M38510/50601BRA	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
16L8A-2	M38510/50407BRA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 8 OUTPUT AND-OR-INVERT	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
16R4A	M38510/50404BRA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT AND-OR	T.I.
16R4A	M38510/50608BRA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
16R4A-15	M38510/50604BRA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
16R4A-2	M38510/50410BRA	1(.5)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
16R6A	M38510/50403BRA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT AND-OR	T.I.
16R6A	M38510/50607BRA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
16R6A-15	M38510/50603BRA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
16R6A-2	M38510/50409BRA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
16R8A	M38510/50402BRA	1(.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR	T.I.
16R8A	M38510/50606BRA	1(<2)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
16R8A-15	M38510/50602BRA	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
16R8A-2	M38510/50408BRA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
1733/BCAJC	8418501CA	1	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT	MOTOROLA
1733/BIAJC	8418501IA	1	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT	MOTOROLA
1825CJ	5962-8768101EA	1	PULSE WIDTH MODULATOR CONTROLLER, HIGH SPEED	LINFINITY
1825CL	5962-87681012A	1	PULSE WIDTH MODULATOR CONTROLLER, HIGH SPEED	LINFINITY
1842F	5962-8670401HA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1842J	5962-8670401EA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1842L	5962-86704012A	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1842Y	5962-8670401PA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1843F	5962-8670402HA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1843J	5962-8670402EA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1843L	5962-86704022A	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1843Y	5962-8670402PA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1844F	5962-8670403HA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1844J	5962-8670403EA	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE	LINFINITY
1844L	5962-86704032A	2	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT	LINFINITY

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ACT825SDMQB	5962-9161101MLA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, TTL-COMPATIBLE INPUTS, POSITIVE EDGE-TRIGGERED	NATIONAL
54ACT899DMQB	5962-9314101MXA	3	TRANSCEIVER, 9-BIT, WITH PARITY GENERATRO/CHECKER, 3-STATE OUTPUTS	NATIONAL
54ACT899LMQB	5962-9314101M3A	3	TRANSCEIVER, 9-BIT, WITH PARITY GENERATRO/CHECKER, 3-STATE OUTPUTS	NATIONAL
54ACTQ02DMQB	5962-9218101MCA	1(0)	NOR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ02FMQB	5962-9218101MDA	1(0)	NOR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ02LMQB	5962-9218101M2A	1(0)	NOR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ04DMQB	5962-8973401CA	3	HEX INVERTER, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ04FMQB	5962-8973401DA	3	HEX INVERTER, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ04LMQB	5962-89734012A	3	HEX INVERTER, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ08DMQB	5962-8954702CA	3	AND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ08FMQB	5962-8954702DA	3	AND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ08LMQB	5962-89547022A	3	AND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ10DMQB	5962-9218201MCA	1	NAND GATE, TRIPLE 3-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ10FMQB	5962-9218201MDA	1	NAND GATE, TRIPLE 3-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ10LMQB	5962-9218201M2A	1	NAND GATE, TRIPLE 3-INPUT, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ14DMQB	5962-9218301MCA	1(0)	HEX INVERTER, TTL-COMPATIBLE, SCHMITT TRIGGER INPUTS	NATIONAL
54ACTQ14FMQB	5962-9218301MDA	1(0)	HEX INVERTER, TTL-COMPATIBLE, SCHMITT TRIGGER INPUTS	NATIONAL
54ACTQ14LMQB	5962-9218301M2A	1(0)	HEX INVERTER, TTL-COMPATIBLE, SCHMITT TRIGGER INPUTS	NATIONAL
54ACTQ240DMQB	5962-9218401MRA	3	BUFFER/LINE DRIVER, OCTAL, WITH INVERTING 3-STATE OUTPUTS, TLL-COMPATIBLE INPUTS	NATIONAL
54ACTQ240FMQB	5962-9218401MSA	3	BUFFER/LINE DRIVER, OCTAL, WITH INVERTING 3-STATE OUTPUTS, TLL-COMPATIBLE INPUTS	NATIONAL
54ACTQ240LMQB	5962-9218401M2A	3	BUFFER/LINE DRIVER, OCTAL, WITH INVERTING 3-STATE OUTPUTS, TLL-COMPATIBLE INPUTS	NATIONAL
54ACTQ244DMQB	5962-9218601MRA	3	BUFFER/LINE DRIVER, OCTAL, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL
54ACTQ244FMQB	5962-9218601MSA	3	BUFFER/LINE DRIVER, OCTAL, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL
54ACTQ244LMQB	5962-9218601M2A	3	BUFFER/LINE DRIVER, OCTAL, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL
54ACTQ245DMQB	5962-9218701MRA	3	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
54ACTQ245FMQB	5962-9218701MSA	3	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
54ACTQ245LMQB	5962-9218701M2A	3	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
54ACTQ273DMQB	5962-8973501RA	3	FLIP-FLOP, D-TYPE, 4-BIT, WITH RESET, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ273FMQB	5962-8973501SA	3	FLIP-FLOP, D-TYPE, 4-BIT, WITH RESET, TTL-COMPATIBLE INPUTS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ACTQ273LMQB	5962-89735012A	3	FLIP-FLOP, D-TYPE, 4-BIT, WITH RESET, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ32DMQB	5962-8973601CA	3	OR GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ32FMQB	5962-8973601DA	3	OR GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ32LMQB	5962-89736012A	3	OR GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ373DMQB	5962-9218801MRA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ373FMQB	5962-9218801MSA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ373LMQB	5962-9218801M2A	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ377DMQB	5962-9219001MRA	1	FLIP-FLOP, D-TYPE, 8-BIT, W/CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ377FMQB	5962-9219001MSA	1	FLIP-FLOP, D-TYPE, 8-BIT, W/CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ377LMQB	5962-9219001M2A	1	FLIP-FLOP, D-TYPE, 8-BIT, W/CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ573DMQB	5962-9219401MRA		LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ573FMQB	5962-9219401MSA		LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ573LMQB	5962-9219401M2A		LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54ACTQ657FMQB	5962-9219701MKA	2	TRANSCEIVER, 8-BIT BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER	NATIONAL
54ACTQ657LMQB	5962-9219701M3A	2	TRANSCEIVER, 8-BIT BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER	NATIONAL
54ACTQ657SDMQB	5962-9219701MLA	2	TRANSCEIVER, 8-BIT BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER	NATIONAL
54ALS0GA	5962-86833012A	2(2)	NAND GATE, QUAD 2-INPUT	T.I.
54ALS00A	M38510/37001BCA	2(2)	NAND GATE, QUAD 2-INPUT	T.I.
54ALS00A	5962-8683301DA	2(2)	NAND GATE, QUAD 2-INPUT	T.I.
54ALS00A	M38510/37001B2A	2(2)	NAND GATE, QUAD 2-INPUT	T.I.
54ALS02	M38510/37301BCA	1(1)	NOR GATE, QUAD 2-INPUT	T.I.
54ALS02	5962-8684401DA	1(1)	NOR GATE, QUAD 2-INPUT	T.I.
54ALS02	M38510/37301B2A	1(1)	NOR GATE, QUAD 2-INPUT	T.I.
54ALS02	5962-8684401ZA	1(1)	NOR GATE, QUAD 2-INPUT	T.I.
54ALS04B	M38510/37006BCA	2(2)	HEX INVERTER	T.I.
54ALS04B	5962-86843012A	2(2)	HEX INVERTER	T.I.
54ALS04B	5962-8684301DA	2(2)	HEX INVERTER	T.I.
54ALS04B	M38510/3700682A	2(2)	HEX INVERTER	T.I.
54ALS05A	5962-8854001ZA	2(2)	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS05A	5962-8854001CA	2(2)	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS08	M38510/3740182A	2(2)	AND GATE, QUAD 2-INPUT	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ALS08	5962-86842012A	2(2)	AND GATE, QUAD 2-INPUT	T.I.
54ALS08	5962-8684201DA	2(2)	AND GATE, QUAD 2-INPUT	T.I.
54ALS08	M38510/37401BCA	2(2)	AND GATE, QUAD 2-INPUT	T.I.
54ALS09	8414201CA	2(2)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS09	8414201DA	2(2)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS09	84142012A	2(2)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS09WA	8414201BA	2(2)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS1000A	M38510/38401BCA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT	T.I.
54ALS1000A	M38510/38401B2A	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT	T.I.
54ALS1002A	M38510/38402BCA	1(0)	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.
54ALS1002A	M38510/38402B2A	1(0)	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.
54ALS1034	8403101DA	2(2)	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
54ALS1034	84031012A	2(2)	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
54ALS1034	M38510/38411B2A	2(2)	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
54ALS1034	8403101CA	2(2)	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
54ALS1034	M38510/38411BCA	2(2)	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
54ALS1034WA	8403101BA	2(2)	BUFFER/DRIVER, HEX, NONINVERTING	T.I.
54ALS1035	5962-88742012A	2(2)	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS1035	5962-8874201CA	2(2)	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS1035	5962-8874201DA	2(2)	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS109A	8400001FA	3(4)	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE HIGH)	T.I.
54ALS109A	8400001EA	3(4)	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE HIGH)	T.I.
54ALS109A	M38510/37102B2A	3(4)	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE HIGH)	T.I.
54ALS109A	M38510/37102BEA	3(4)	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE HIGH)	T.I.
54ALS109A	84000012A	3(4)	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE HIGH)	T.I.
54ALS10A	M38510/37002BCA	1(2)	NAND GATE, TRIPLE 3-INPUT	T.I.
54ALS10A	M38510/37002B2A	1(2)	NAND GATE, TRIPLE 3-INPUT	T.I.
54ALS10A	5962-86865012DA	1(?)	NAND GATE, TRIPLE 3-INPUT	T.I.
54ALS10A	5962-86865012A	1(?)	NAND GATE, TRIPLE 3-INPUT	T.I.
54ALS112A	8400002FA	1(1)	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE LOW)	T.I.
54ALS112A	84000022A	1(1)	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE	T.I.

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			LOW)	
54ALS112A	M38510/371038EA	1(1)	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE LOW)	T.I.
54ALS112A	M38510/3710382A	1(1)	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE LOW)	T.I.
54ALS112A	8400002EA	1(1)	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE LOW)	T.I.
54ALS11A	5962-86841012A	1(1)	AND GATE, TRIPLE 3-INPUT	T.I.
54ALS11A	M38510/37402B2A	1(1)	AND GATE, TRIPLE 3-INPUT	T.I.
54ALS11A	5962-86841010A	1(1)	AND GATE, TRIPLE 3-INPUT	T.I.
54ALS11A	M38510/37402BCA	1(1)	AND GATE, TRIPLE 3-INPUT	T.I.
54ALS1244A	5962-88738012A	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS1244A	5962-8873801RA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS1245A	5962-8873701RA	2(2)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS1245A	5962-88737012A	2(2)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS133	M38510/370058EA	2(2)	NAND GATE, 13-INPUT	T.I.
54ALS133	M38510/3700582A	2(2)	NAND GATE, 13-INPUT	T.I.
54ALS133	5962-8859001FA	2(2)	NAND GATE, 13-INPUT	T.I.
54ALS137	5962-9066501M2A	1(0)	DECODER, 3-TO-8-LINE, WITH ADDRESS LATCHES	T.I.
54ALS137	5962-9066501MEA	1(0)	DECODER, 3-TO-8-LINE, WITH ADDRESS LATCHES	T.I.
54ALS137	5962-9066501MFA	1(0)	DECODER, 3-TO-8-LINE, WITH ADDRESS LATCHES	T.I.
54ALS138	M38510/3770182A	2(2)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
54ALS138	5962-86866012A	2(2)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
54ALS138	M38510/37701BEA	2(2)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
54ALS138	5962-8686601FA	2(2)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
54ALS139	5962-8768301FA	3(4)	DECODER, DUAL 2-TO-4-LINE	T.I.
54ALS139	5962-8768301EA	3(4)	DECODER, DUAL 2-TO-4-LINE	T.I.
54ALS139	5962-87683012A	3(4)	DECODER, DUAL 2-TO-4-LINE	T.I.
54ALS151	8414101EA	2(2)	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
54ALS151	84141012A	2(2)	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
54ALS151	8414101FA	2(2)	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
54ALS153	8413401EA	2(2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54ALS153	84134012A	2(2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54ALS153	8413401FA	2(2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54ALS157A	5962-86869012A	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54ALS157A	5962-8686901EA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54ALS157A	5962-8686901FA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54ALS158	5962-8862501EA	3(4)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ALS158	5962-88625012A	3(4)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54ALS158	5962-8862501FA	3(4)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54ALS161B	8302201FA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
54ALS161B	M38510/38001B2A	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
54ALS161B	M38510/38001BEA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
54ALS161B	83022012A	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
54ALS161B	8302201EA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
54ALS162B	8407901EA	2(2)	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54ALS162B	8407901FA	2(2)	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54ALS162B	84079012A	2(2)	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54ALS163B	M38510/38002B2A	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54ALS163B	M38510/38002BEA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54ALS163B	8302202FA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54ALS163B	8302202EA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54ALS163B	83022022A	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54ALS165	5962-89574012A	3(4)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
54ALS165	5962-8957401EA	3(4)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
54ALS165	5962-8957401FA	3(4)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
54ALS169B	M38510/38003BEA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
54ALS169B	8302501EA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
54ALS169B	8302501FA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
54ALS169B	M38510/3800382A	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
54ALS169B	83025012A	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
54ALS174	8301901FA	2(2)	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
54ALS174	8301901EA	2(2)	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
54ALS174	M38510/37201B2A	2(2)	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
54ALS174	83019012A	2(2)	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
54ALS174	M38510/37201BEA	2(2)	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
54ALS175	8301902EA	2(2)	FLIP-FLOP, D-TYPE, 4-BIT, WITH CLEAR	T.I.
54ALS175	83019022A	2(2)	FLIP-FLOP, D-TYPE, 4-BIT, WITH CLEAR	T.I.
54ALS175	M38510/37202BEA	2(2)	FLIP-FLOP, D-TYPE, 4-BIT, WITH CLEAR	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ALS175	8301902FA	2(2)	FLIP-FLOP, D-TYPE, 4-BIT, WITH CLEAR	T.I.
54ALS175	M38510/37202B2A	2(2)	FLIP-FLOP, D-TYPE, 4-BIT, WITH CLEAR	T.I.
54ALS191	5962-86840012A	1(1)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
54ALS191	5962-8684001EA	1(1)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
54ALS191	5962-8684001FA	1(1)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
54ALS193	5962-88698012A	1(1)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
54ALS193	5962-8869801EA	1(1)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
54ALS20A	M38510/37003B2A	1(2)	NAND GATE, DUAL 4-INPUT	T.I.
54ALS20A	M38510/37003BCA	1(2)	NAND GATE, DUAL 4-INPUT	T.I.
54ALS20A	5962-8858901DA	1(?)	NAND GATE, DUAL 4-INPUT	T.I.
54ALS21A	8414301DA	2(2)	AND GATE, DUAL 4-INPUT	T.I.
54ALS21A	84143012A	2(2)	AND GATE, DUAL 4-INPUT	T.I.
54ALS21A	8414301CA	2(2)	AND GATE, DUAL 4-INPUT	T.I.
54ALS240A	M38510/38301B2A	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS240A	5962-8859101SA	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS240A	M38510/38301BRA	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS241A	5962-8859601SA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS241B	M38510/38302BRA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS241B	M38510/38302B2A	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS243A	84013020A	2(2)	BUS TRANSCEIVER, QUAD, WITH 3-STATE OUTPUTS	T.I.
54ALS243A	8401302CA	2(2)	BUS TRANSCEIVER, QUAD, WITH 3-STATE OUTPUTS	T.I.
54ALS243A	84013022A	2(2)	BUS TRANSCEIVER, QUAD, WITH 3-STATE OUTPUTS	T.I.
54ALS244A	5962-86839012A	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS244A	5962-8683901SA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS244B	M38510/38303BRA	3(4)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS244B	M38510/38303B2A	3(4)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS245A	84030012A	2(2)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS245A	8403001SA	2(2)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS245A	8403001RA	2(2)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS251	84135012A	2(2)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
54ALS251	8413501FA	2(2)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS251	8413501EA	2(2)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS253	85096012A	2(2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS253	8509601FA	2(2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS253	8509601EA	2(2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS257	85097012A	1(1)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS257	8509701FA	1(1)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS257	8509701EA	1(1)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS258A	5962-8862601EA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS258A	5962-8862601FA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS258A	5962-88626012A	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS259	5962-8874101EA	2(2)	LATCH, 8-BIT ADDRESSABLE	T.I.
54ALS259	5962-88741012A	2(2)	LATCH, 8-BIT ADDRESSABLE	T.I.
54ALS259	5962-8874101FA	2(2)	LATCH, 8-BIT ADDRESSABLE	T.I.
54ALS27	M38510/37302BCA	1(1)	NOR GATE, TRIPLE 3-INPUT	T.I.
54ALS27	M38510/37302B2A	1(1)	NOR GATE, TRIPLE 3-INPUT	T.I.
54ALS27	5962-86838012A	1(1)	NOR GATE, TRIPLE 3-INPUT	T.I.
54ALS27	5962-8683801DA	1(1)	NOR GATE, TRIPLE 3-INPUT	T.I.
54ALS273	8413601SA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
54ALS273	8413601RA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
54ALS273	84136012A	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
54ALS29821	5962-9061601LA	3(4)	FLIP-FLOP, 10-BIT, BUS INTERFACE, WITH 3-STATE OUTPUTS	T.I.
54ALS29824	5962-9067502MLA	3(4)	FLIP-FLOP, 9-BIT BUS INTERFACE, WITH 3-STATE OUTPUTS, INVERTING INPUTS	T.I.
54ALS29824	5962-9067502M3A	3(4)	FLIP-FLOP, 9-BIT BUS INTERFACE, WITH 3-STATE OUTPUTS, INVERTING INPUTS	T.I.
54ALS29824	5962-9067502MXA	3(4)	FLIP-FLOP, 9-BIT BUS INTERFACE, WITH 3-STATE OUTPUTS, INVERTING INPUTS	T.I.
54ALS299	8302101RA	1(.5)	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
54ALS299	83021012A	1(.5)	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
54ALS299	8302101SA	1(.5)	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ALS30A	M38510/37004B2A	2(2)	NAND GATE, 8-INPUT	T.I.
54ALS30A	5962-8683701DA	2(2)	NAND GATE, 8-INPUT	T.I.
54ALS30A	M38510/37004BCA	2(2)	NAND GATE, 8-INPUT	T.I.
54ALS30A	5962-86837012A	2(2)	NAND GATE, 8-INPUT	T.I.
54ALS32	M38510/37501B2A	2(2)	OR GATE, QUAD 2-INPUT	T.I.
54ALS32	5962-86836012A	2(2)	OR GATE, QUAD 2-INPUT	T.I.
54ALS32	M38510/37501BCA	2(2)	OR GATE, QUAD 2-INPUT	T.I.
54ALS32	5962-8683601DA	2(2)	OR GATE, QUAD 2-INPUT	T.I.
54ALS323	8302102SA	1(.5)	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
54ALS323	83021022A	1(.5)	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
54ALS323	8302102RA	1(.5)	SHIFT/STORAGE REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
54ALS373	M38510/3720382A	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH TRANSPARENT LATCH AND 3-STATE OUTPUTS	T.I.
54ALS373	8302001RA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH TRANSPARENT LATCH AND 3-STATE OUTPUTS	T.I.
54ALS373	M38510/37203BRA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH TRANSPARENT LATCH AND 3-STATE OUTPUTS	T.I.
54ALS373	8302001SA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH TRANSPARENT LATCH AND 3-STATE OUTPUTS	T.I.
54ALS373	83020012A	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH TRANSPARENT LATCH AND 3-STATE OUTPUTS	T.I.
54ALS374	8302002RA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
54ALS374	83020022A	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
54ALS374	M38510/37204BRA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
54ALS374	M38510/3720482A	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
54ALS374	8302002SA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
54ALS38A	5962-86871012A	1(.5)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS38A	5962-8687101DA	1(.5)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS38A	5962-8687101CA	1(.5)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS38AWA	5962-8687101BA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54ALS520	5962-8869101RA	2(2)	IDENTITY COMPARATOR, 8-BIT	T.I.
54ALS520	5962-88691012A	2(2)	IDENTITY COMPARATOR, 8-BIT	T.I.
54ALS534	5962-8866801SA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS534	5962-88668012A	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ALS534	5962-8866801RA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS541	5962-8960201SA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS541	5962-8960201RA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS541	5962-89602012A	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS561A	8302203RA	1(<.5)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH 3-STATE OUTPUTS	T.I.
54ALS561A	8302203SA	1(<.5)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH 3-STATE OUTPUTS	T.I.
54ALS561A	83022032A	1(<.5)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH 3-STATE OUTPUTS	T.I.
54ALS563A	5962-88700012A	2(2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54ALS563A	5962-8870001SA	2(2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54ALS563A	5962-8870001RA	2(2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54ALS564A	5962-88728012A	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
54ALS564A	5962-8872801RA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
54ALS564A	5962-8872801SA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
54ALS569A	8302502SA	1(1)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH 3-STATE OUTPUTS	T.I.
54ALS569A	8302502RA	1(1)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH 3-STATE OUTPUTS	T.I.
54ALS569A	83025022A	1(1)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH 3-STATE OUTPUTS	T.I.
54ALS573B	M38510/38201BRA	2(2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54ALS573B	M38510/38201B2A	2(2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54ALS573B	8401201SA	2(2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54ALS573B	8401201RA	2(2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54ALS573B	84012012A	2(2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54ALS574A	8400101RA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS574A	84001012A	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS574A	M38510/37104BRA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS574A	8400101SA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS574A	M38510/37104B2A	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54ALS576A	8400102SA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ALS576A	84001022A	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS576A	8400102RA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS580A	8401202RA	2(2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS580A	8401202SA	2(2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS580A	84012022A	2(2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS640B	5962-8872701SA	3(4)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS640B	5962-88727012A	3(4)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS640B	5962-8872701RA	3(4)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS645A	8403301RA	2(2)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS645A	8403301SA	2(2)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS645A	84033012A	2(2)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS646	5962-8995601KA	3(4)	BUS TRANSCEIVER/REGISTER, 8-BIT, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS646	5962-89956013A	3(4)	BUS TRANSCEIVER/REGISTER, 8-BIT, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS646	5962-8995601LA	3(4)	BUS TRANSCEIVER/REGISTER, 8-BIT, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS648	5962-9052301KA	2(2)	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS648	5962-90523013A	2(2)	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS648	5962-9052301LA	2(2)	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54ALS652	5962-8867301LA	2(2)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS652	5962-88673013A	2(2)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS652	5962-8867301KA	2(2)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54ALS653	5962-8968701LA	3(4)	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING W/3-STATE INPUTS, OPEN-COLL. OUTPUTS	T.I.
54ALS653	5962-8968701KA	3(4)	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING W/3-STATE INPUTS, OPEN-COLL. OUTPUTS	T.I.
54ALS653	5962-89687013A	3(4)	BUS TRANSCEIVER/REGISTER, 8-BIT, INVERTING W/3-STATE INPUTS, OPEN-COLL. OUTPUTS	T.I.
54ALS688	5962-8857801RA	2(2)	IDENTITY COMPARATOR, 8-BIT	T.I.
54ALS688	5962-8857801SA	2(2)	IDENTITY COMPARATOR, 8-BIT	T.I.
54ALS688	5962-88578012A	2(2)	IDENTITY COMPARATOR, 8-BIT	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54ALS74A	84011012A	2(2)	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED	T.I.
54ALS74A	8401101DA	2(2)	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED	T.I.
54ALS74A	8401101CA	2(2)	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED	T.I.
54ALS74A	M38510/37101B2A	2(2)	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED	T.I.
54ALS74A	M38510/37101BCA	2(2)	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED	T.I.
54ALS804A	5962-8869301RA	2(2)	BUFFER/DRIVER, NAND, HEX 2-INPUT	T.I.
54ALS804A	5962-88693012A	2(2)	BUFFER/DRIVER, NAND, HEX 2-INPUT	T.I.
54ALS804A	5962-8869301SA	2(2)	BUFFER/DRIVER, NAND, HEX 2-INPUT	T.I.
54ALS805A	5962-8869401SA	1(1)	BUFFER/DRIVER, NOR, HEX 2-INPUT	T.I.
54ALS805A	5962-8869401RA	1(1)	BUFFER/DRIVER, NOR, HEX 2-INPUT	T.I.
54ALS805A	5962-88694012A	1(1)	BUFFER/DRIVER, NOR, HEX 2-INPUT	T.I.
54ALS832A	8414501RA	2(2)	BUFFER/DRIVER, OR, HEX 2-INPUT	T.I.
54ALS832A	84145012A	2(2)	BUFFER/DRIVER, OR, HEX 2-INPUT	T.I.
54ALS832A	8414501SA	2(2)	BUFFER/DRIVER, OR, HEX 2-INPUT	T.I.
54ALS857	5962-87533013A	1(1)	DATA SEL/MULTIPLEXER, HEX 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS857	5962-8753301LA	1(1)	DATA SEL/MULTIPLEXER, HEX 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
54ALS86	5962-88621012A	2(2)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
54ALS86	5962-8862101DA	2(2)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
54ALS86	5962-8862101CA	2(2)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
54ALS873B	8403201LA	2(2)	LATCH, D-TYPE, DUAL 4-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54ALS873B	84032013A	2(2)	LATCH, D-TYPE, DUAL 4-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54ALS873B	8403201KA	2(2)	LATCH, D-TYPE, DUAL 4-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54ALS874B	84010013A	2(2)	FLIP-FLOP, D-TYPE, DUAL 4-BIT, WITH CLEAR AND 3-STATE OUTPUTS	T.I.
54ALS874B	8401001KA	2(2)	FLIP-FLOP, D-TYPE, DUAL 4-BIT, WITH CLEAR AND 3-STATE OUTPUTS	T.I.
54ALS874B	8401001LA	2(2)	FLIP-FLOP, D-TYPE, DUAL 4-BIT, WITH CLEAR AND 3-STATE OUTPUTS	T.I.
54ALS996	5962-8994501KA	2(2)	LATCH, D-TYPE, 8-BIT, EDGE-TRIGGERED READ BACK	T.I.
54ALS996	5962-89945013A	2(2)	LATCH, D-TYPE, 8-BIT, EDGE-TRIGGERED READ BACK	T.I.
54ALS996	5962-8994501LA	2(2)	LATCH, D-TYPE, 8-BIT, EDGE-TRIGGERED READ BACK	T.I.
54BCT648	5962-9172401MLA	3(4)		T.I.
54BCT648	5962-9172401MKA	3(4)		T.I.
54BCT648	5962-9172401M3A	3(4)		T.I.
54F00	M38510/33001B2A	3(4)	NAND GATE, QUAD 2-INPUT	T.I.
54F00	M38510/33001BDA	3(4)	NAND GATE, QUAD 2-INPUT	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54F00	M38510/33001BCA	3(4)	NAND GATE, QUAD 2-INPUT	T.I.
54F00/BCAJC	M38510/33001BCA	1(0)	NAND GATE, QUAD 2-INPUT	MOTOROLA
54F00/BDAJC	M38510/33001BDA	1(0)	NAND GATE, QUAD 2-INPUT	MOTOROLA
54F00M/B2AJC	M38510/33001B2A	1(0)	NAND GATE, QUAD 2-INPUT	MOTOROLA
54F02	M38510/33301BCA	2(2)	NOR GATE, QUAD 2-INPUT	T.I.
54F02	M38510/33301B2A	2(2)	NOR GATE, QUAD 2-INPUT	T.I.
54F02	M38510/33301BDA	2(2)	NOR GATE, QUAD 2-INPUT	T.I.
54F02/BCAJC	M38510/33301BCA	1(0)	NOR GATE, QUAD 2-INPUT	MOTOROLA
54F02/BDAJC	M38510/33301BDA	1(0)	NOR GATE, QUAD 2-INPUT	MOTOROLA
54F02M/B2AJC	M38510/33301B2A	1(0)	NOR GATE, QUAD 2-INPUT	MOTOROLA
54F04	M38510/33002BDA	2(2)	HEX INVERTER	T.I.
54F04	M38510/33002B2A	2(2)	HEX INVERTER	T.I.
54F04	M38510/33002BCA	2(2)	HEX INVERTER	T.I.
54F04	M38510/33002B2A	2(2)	HEX INVERTER	T.I.
54F04/BCAJC	M38510/33002BCA	1(0)	HEX INVERTER	MOTOROLA
54F04/BDAJC	M38510/33002BDA	1(0)	HEX INVERTER	MOTOROLA
54F04M/B2AJC	M38510/33002B2A	1(0)	HEX INVERTER	MOTOROLA
54F08/BCAJC	M38510/34001BCA	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
54F08/BDAJC	M38510/34001BDA	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
54F08M/B2AJC	M38510/34001B2A	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
54F10	M38510/33003B2A	2(2)	NAND GATE, TRIPLE 3-INPUT	T.I.
54F10	M38510/33003BCA	2(2)	NAND GATE, TRIPLE 3-INPUT	T.I.
54F10	M38510/33003BDA	2(2)	NAND GATE, TRIPLE 3-INPUT	T.I.
54F10/BCAJC	M38510/33003BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
54F10/BDAJC	M38510/33003BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
54F109/BEAJC	M38510/34102BEA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54F109/BFAJC	M38510/34102BFA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54F109M/B2AJC	M38510/34102B2A	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54F10M/B2AJC	M38510/33003B2A	1(0)	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
54F11	M38510/34002BCA	2(2)	AND GATE, QUAD 2-INPUT	T.I.
54F11	M38510/34002BDA	2(2)	AND GATE, QUAD 2-INPUT	T.I.
54F11	M38510/34002B2A	2(2)	AND GATE, QUAD 2-INPUT	T.I.
54F11/BCAJC	M38510/34002BCA	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
54F11/BDAJC	M38510/34002BDA	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
54F11M/B2AJC	M38510/34002B2A	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
54F132DMQB	5962-8948701CA	3	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	NATIONAL
54F132FMQB	5962-8948701DA	3	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54F132LMQB	5962-89487012A	3	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	NATIONAL
54F138	M38510/33701BEA	2(2)	DECODER, 3-TO-8-LINE	T.I.
54F138	M38510/33701B2A	2(2)	DECODER, 3-TO-8-LINE	T.I.
54F138	M38510/33701BFA	2(2)	DECODER, 3-TO-8-LINE	T.I.
54F138/BEAJC	M38510/33701BEA	1(0)	DECODER, 3-TO-8-LINE	MOTOROLA
54F138/BFAJC	M38510/33701BFA	1(0)	DECODER, 3-TO-8-LINE	MOTOROLA
54F138M/B2AJC	M38510/33701B2A	1(0)	DECODER, 3-TO-8-LINE	MOTOROLA
54F139/BEAJC	M38510/33702BEA	1(0)	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
54F139/BFAJC	M38510/33702BFA	1(0)	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
54F139M/B2AJC	M38510/33702B2A	1(0)	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
54F14/BCAJC	5962-8875201CA	1	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
54F14/BDAJC	5962-8875201DA	1	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
54F14DMQB	5962-8875201CA	3	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
54F14FMQB	5962-8875201DA	3	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
54F14LMQB	5962-88752012A	3	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
54F14M/B2AJC	5962-88752012A	1	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
54F151/BEAJC	M38510/33901BEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
54F151/BFAJC	M38510/33901BFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
54F151M/B2AJC	M38510/33901B2A	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
54F153	M38510/33902BEA	2(2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54F153	M38510/33902B2A	2(2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54F153	M38510/33902BFA	2(2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54F153/BEAJC	M38510/33902BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54F153/BFAJC	M38510/33902BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54F153M/B2AJC	M38510/33902B2A	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54F157A/BEAJC	M38510/33903BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54F157A/BFAJC	M38510/33903BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54F157AM/B2AJC	M38510/33903B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54F158A/BEAJC	M38510/33904BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54F158A/BFAJC	M38510/33904BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54F158AM/B2AJC	M38510/33904B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54F161A/BEAJC	M38510/34301BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
54F161A/BFAJC	M38510/34301BFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
54F161AM/B2AJC	M38510/34301B2A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
54F164ADMQB	5962-8607101CA		SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	NATIONAL
54F164AFMQB	5962-8607101DA		SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	NATIONAL
54F164ALMQB	5962-86071012A		SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54F169DMQB	5962-8607201EA	2	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
54F169FMQB	5962-8607201FA	2	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
54F169LMQB	5962-86072012A	2	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
54F174/BEAJC	M38510/34107BEA	1(0)	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
54F174/BFAJC	M38510/34107BFA	1(0)	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
54F174M/B2AJC	M38510/34107B2A	1(0)	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
54F175/BEAJC	M38510/34104BEA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
54F175/BFAJC	M38510/34104BFA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
54F175M/B2AJC	M38510/34104B2A	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
54F181DMQB	5962-8671002JA	1(0)	ALU/FUNCTION GENERATOR, 4-BIT	NATIONAL
54F181LMQB	5962-86710023A	1(0)	ALU/FUNCTION GENERATOR, 4-BIT	NATIONAL
54F182/BEAJC	M38510/33802BEA	1(0)	LOOK AHEAD CARRY GENERATOR	MOTOROLA
54F182/BFAJC	M38510/33802BFA	1(0)	LOOK AHEAD CARRY GENERATOR	MOTOROLA
54F182M/B2AJC	M38510/33802B2A	1(0)	LOOK AHEAD CARRY GENERATOR	MOTOROLA
54F191DMQB	5962-9058201EA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
54F191FMQB	5962-9058201FA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
54F191LMQB	5962-90582012A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
54F194/BEAJC	M38510/33601BEA	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	MOTOROLA
54F194/BFAJC	M38510/33601BFA	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	MOTOROLA
54F194M/B2AJC	M38510/33601B2A	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	MOTOROLA
54F20	M38510/33004BCA	1(1)	NAND GATE, DUAL 4-INPUT	T.I.
54F20	M38510/33004BDA	1(1)	NAND GATE, DUAL 4-INPUT	T.I.
54F20	M38510/3300482A	1(1)	NAND GATE, DUAL 4-INPUT	T.I.
54F20/BCAJC	M38510/33004BCA	1(0)	NAND GATE, DUAL 4-INPUT	MOTOROLA
54F20/BDAJC	M38510/33004BDA	1(0)	NAND GATE, DUAL 4-INPUT	MOTOROLA
54F20M/B2AJC	M38510/3300482A	1(0)	NAND GATE, DUAL 4-INPUT	MOTOROLA
54F240	M38510/33201B2A	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54F240	M38510/33201BSA	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54F240	M38510/33201B2A	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54F240	M38510/33201BRA	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54F240/BRAJC	M38510/33201BRA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F240/BSAJC	M38510/33201BSA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
54F240M/B2AJC	M38510/33201B2A	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F241	M38510/33202BRA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54F241	M38510/33202B2A	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54F241	M38510/33202BSA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54F241/BRAJC	M38510/33202BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F241/BSAJC	M38510/33202BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F241M/B2AJC	M38510/33202B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F241M/B2AJC	5962-86874012A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F242/BCAJC	M38510/34801BCA	1(0)	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F242/BDAJC	M38510/34801BDA	1(0)	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F242M/B2AJC	M38510/34801B2A	1(0)	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F243/BCAJC	M38510/34802BCA	1(0)	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F243/BCAJC	5962-8683401CA	1(0)	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F243/BDAJC	M38510/34802BDA	1(0)	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F243/BDAJC	5962-8683401DA	3	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F243DMQB	5962-8683401CA	1	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54F243FMQB	5962-8683401DA	1	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54F243LMQB	5962-86834012A	1	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
54F243M/B2AJC	M38510/34802B2A	1(0)	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F243M/B2AJC	5962-86834012A	3	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F244	M38510/33203B2A	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54F244	M38510/33203B2A	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54F244	M38510/33203BSA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54F244	M38510/33203BRA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54F244/BRAJC	M38510/33203BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
54F244/BSAJC	M38510/33203BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F244M/B2AJC	M38510/33203B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54F245	8551101SA	3(4)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54F245	8551101RA	3(4)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54F245	85511012A	3(4)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54F245	M38510/34803BSA	3(4)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54F245	M38510/34803BRA	3(4)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54F245	M38510/34803B2A	3(4)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54F245/BRAJC	8551101RA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
54F245/BRAJC	M38510/34803BRA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
54F245/BSAJC	8551101SA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
54F245/BSAJC	M38510/34803BSA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
54F245M/B2AJC	85511012A	1(0)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
54F245M/B2AJC	M38510/34803B2A	1(0)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
54F253/BEAJC	M38510/33908BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54F253/BFAJC	M38510/33908BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54F253M/B2AJC	M38510/33908B2A	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54F27	5962-89510012A	2(2)	NOR GATE, TRIPLE 3-INPUT	T.I.
54F27	5962-8951001CA	2(2)	NOR GATE, TRIPLE 3-INPUT	T.I.
54F27	5962-8951001DA	2(2)	NOR GATE, TRIPLE 3-INPUT	T.I.
54F273/DMQB	5962-8855001RA	3	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH ASYNCHRONOUS MASTER RESET	NATIONAL
54F273/FMQB	5962-8855001SA	3	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH ASYNCHRONOUS MASTER RESET	NATIONAL
54F273/LMQB	5962-88550012A	3	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH ASYNCHRONOUS MASTER RESET	NATIONAL
54F280/BCAJC	M38510/34901BCA	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
54F280/BDAJC	M38510/34901BDA	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
54F280M/B2AJC	M38510/34901B2A	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
54F283	M38510/34201BEA	2(2)	ADDER, 4-BIT FULL	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54F283	M38510/34201BFA	2(2)	ADDER, 4-BIT FULL	T.I.
54F283	M38510/34201B2A	2(2)	ADDER, 4-BIT FULL	T.I.
54F283/BEAJC	M38510/34201BEA	1(0)	ADDER, 4-BIT FULL	MOTOROLA
54F283/BFAJC	M38510/34201BFA	1(0)	ADDER, 4-BIT FULL	MOTOROLA
54F283M/B2AJC	M38510/34201B2A	1(0)	ADDER, 4-BIT FULL	MOTOROLA
54F299	5962-8957301RA	3(4)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
54F299	5962-8957301SA	3(4)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
54F299	5962-89573012A	3(4)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
54F30	5962-8870801CA	2(2)	NAND GATE, 8-INPUT	T.I.
54F30	5962-8870801DA	2(2)	NAND GATE, 8-INPUT	T.I.
54F30	5962-88708012A	2(2)	NAND GATE, 8-INPUT	T.I.
54F32/BCAJC	M38510/33501BCA	1(0)	OR GATE, QUAD 2-INPUT	MOTOROLA
54F32/BDAJC	M38510/33501BDA	1(0)	OR GATE, QUAD 2-INPUT	MOTOROLA
54F322DMQB	5962-8607401RA	1	SHIFT REGISTER, 8-BIT SERIAL/PARALLEL WITH SIGN EXTEND AND 3-STATE OUTPUTS	NATIONAL
54F322FMQB	5962-8607401SA	1	SHIFT REGISTER, 8-BIT SERIAL/PARALLEL WITH SIGN EXTEND AND 3-STATE OUTPUTS	NATIONAL
54F322LMQB	5962-86074012A	1	SHIFT REGISTER, 8-BIT SERIAL/PARALLEL WITH SIGN EXTEND AND 3-STATE OUTPUTS	NATIONAL
54F32M/B2AJC	M38510/33501B2A	1(0)	OR GATE, QUAD 2-INPUT	MOTOROLA
54F352/BEAJC	M38510/33909BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54F352/BFAJC	M38510/33909BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54F352M/B2AJC	M38510/33909B2A	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54F353/BEAJC	M38510/33910BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54F353/BFAJC	M38510/33910BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54F353M/B2AJC	M38510/33910B2A	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54F373/BRAJC	M38510/34601BRA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54F373/BSAJC	M38510/34601BSA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54F373M/B2AJC	M38510/34601B2A	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54F374/BRAJC	M38510/34105BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54F374/BSAJC	M38510/34105BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54F374M/B2AJC	M38510/34105B2A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54F377DMQB	5962-9091001MRA	3	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH CLOCK ENABLE	NATIONAL
54F377FMQB	5962-9091001MSA	3	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH CLOCK ENABLE	NATIONAL
54F377LMQB	5962-9091001M2A	3	FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			CLOCK ENABLE	
54F378/BEAJC	5962-8855501EA	1	REGISTER, D-TYPE, HEX PARALLEL	MOTOROLA
54F378/BFAJC	5962-8855501FA	1	REGISTER, D-TYPE, HEX PARALLEL	MOTOROLA
54F378DMQB	5962-8855501EA	2	REGISTER, D-TYPE, HEX PARALLEL	NATIONAL
54F378FMQB	5962-8855501FA	2	REGISTER, D-TYPE, HEX PARALLEL	NATIONAL
54F378LMQB	5962-88555012A	2	REGISTER, D-TYPE, HEX PARALLEL	NATIONAL
54F378M/B2AJC	5962-88555012A	1	REGISTER, D-TYPE, HEX PARALLEL	MOTOROLA
54F379/BEAJC	M38510/34109BEA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
54F379/BFAJC	M38510/34109BFA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
54F379M/B2AJC	M38510/34109B2A	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
54F38	5962-8687201DA	3(4)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54F38	5962-8687201CA	3(4)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54F38	5962-86872012A	3(4)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54F381/BRAJC	5962-8671001RA	1(0)	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
54F381/BRAJC	M38510/33803BRA	1(0)	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
54F381/BSAJC	M38510/33803BSA	1(0)	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
54F381/BSAJC	5962-8671001SA	1(0)	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
54F381M/B2AJC	5962-86710012A	1(0)	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
54F381M/B2AJC	M38510/33803B2A	1(0)	ARITHMETIC LOGIC UNIT, 4-BIT	MOTOROLA
54F382/BRAJC	M38510/33804BRA	1(0)	ALU/FUNCTION GENERATOR, 4-BIT	MOTOROLA
54F382/BSAJC	M38510/33804BSA	1(0)	ALU/FUNCTION GENERATOR, 4-BIT	MOTOROLA
54F382M/B2AJC	M38510/33804B2A	1(0)	ALU/FUNCTION GENERATOR, 4-BIT	MOTOROLA
54F398/BRAJC	M38510/35001BRA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
54F398/BSAJC	M38510/35001BSA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
54F398M/B2AJC	M38510/35001B2A	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
54F399/BEAJC	M38510/35002BEA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
54F399/BFAJC	M38510/35002BFA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
54F399M/B2AJC	M38510/35002B2A	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	MOTOROLA
54F402DMQB	5962-9059301MEA	1(0)	POLYNOMIAL GENERATOR/CHECKER, SERIAL DATA	NATIONAL
54F402FMQB	5962-9059301MFA	1(0)	POLYNOMIAL GENERATOR/CHECKER, SERIAL DATA	NATIONAL
54F402LMQB	5962-9059301M2A	1(0)	POLYNOMIAL GENERATOR/CHECKER, SERIAL DATA	NATIONAL
54F521	M38510/34701BRA	2(2)	IDENTITY COMPARATOR, 8-BIT	T.I.
54F521	M38510/34701BSA	2(2)	IDENTITY COMPARATOR, 8-BIT	T.I.
54F521	M38510/34701B2A	2(2)	IDENTITY COMPARATOR, 8-BIT	T.I.
54F533/BRAJC	M38510/34602BRA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54F533/BSAJC	M38510/34602BSA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54F533M/B2AJC	M38510/34602B2A	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54F534/BRAJC	M38510/34106BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54F534/BSAJC	M38510/34106BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54F534M/B2AJC	M38510/34106B2A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54F541	5962-9175301M2A	3(4)	BUFFER, OCTAL, WITH 3-STATE NONINVERTERD OUTPUTS	T.I.
54F541	5962-9175301MRA	3(4)	BUFFER, OCTAL, WITH 3-STATE NONINVERTERD OUTPUTS	T.I.
54F541	5962-9175301MSA	3(4)	BUFFER, OCTAL, WITH 3-STATE NONINVERTERD OUTPUTS	T.I.
54F573	5962-9173801MSA	3(4)		T.I.
54F573	5962-9173801M2A	3(4)		T.I.
54F573	5962-9173801MRA	3(4)		T.I.
54F573DMQB	5962-9173801MRA			NATIONAL
54F573FMQB	5962-9173801MSA			NATIONAL
54F573LMQB	5962-9173801M2A			NATIONAL
54F621	5962-9050602RA	3(4)	BUS TRANSCEIVER, 8-BIT, WITH NONINVERTING OPEN-COLLECTOR OUTPUTS	T.I.
54F621	5962-9050602SA	3(4)	BUS TRANSCEIVER, 8-BIT, WITH NONINVERTING OPEN-COLLECTOR OUTPUTS	T.I.
54F621	5962-90506022A	3(4)	BUS TRANSCEIVER, 8-BIT, WITH NONINVERTING OPEN-COLLECTOR OUTPUTS	T.I.
54F623	5962-9050601SA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	T.I.
54F623	5962-9050601RA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	T.I.
54F623	5962-90506012A	1(0)	BUS TRANSCEIVER, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	T.I.
54F64/BCAJC	M38510/33401BCA	1(0)	AND-OR-INVERT GATE, 4-2-2-2 INPUT	MOTOROLA
54F64/BDAJC	M38510/33401BDA	1(0)	AND-OR-INVERT GATE, 4-2-2-2 INPUT	MOTOROLA
54F646FMQB	5962-8975401KA	1	BUS TRANSCEIVER/REGISTER	NATIONAL
54F646LMQB	5962-89754013A	1	BUS TRANSCEIVER/REGISTER	NATIONAL
54F646SDMQB	5962-8975401LA	1	BUS TRANSCEIVER/REGISTER	NATIONAL
54F648FMQB	5962-8975402KA	1	BUS TRANSCEIVER/REGISTER, INVERTED	NATIONAL
54F648LMQB	5962-89754023A	1	BUS TRANSCEIVER/REGISTER, INVERTED	NATIONAL
54F648SDMQB	5962-8975402LA	1	BUS TRANSCEIVER/REGISTER, INVERTED	NATIONAL
54F64M/B2AJC	M38510/33401B2A	1(0)	AND-OR-INVERT GATE, 4-2-2-2 INPUT	MOTOROLA
54F652FMQB	5962-8955801KA	1	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54F652LMQB	5962-89558013A	1	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54F652SDMQB	5962-8955801LA	1	TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54F657FMQB	5962-8953501KA	2	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER	NATIONAL
54F657LMBQ	5962-89535013A	2	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54F657SDMQB	5962-8953501LA	2	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER	NATIONAL
54F74	M38510/34101B2A	3(4)	FLIP-FLOP, D-TYPE, DUAL	T.I.
54F74	M38510/34101B2A	3(4)	FLIP-FLOP, D-TYPE, DUAL	T.I.
54F74	M38510/34101BCA	3(4)	FLIP-FLOP, D-TYPE, DUAL	T.I.
54F74	M38510/34101BDA	3(4)	FLIP-FLOP, D-TYPE, DUAL	T.I.
54F74/BCAJC	M38510/34101BCA	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
54F74/BDAJC	M38510/34101BDA	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
54F74M/B2AJC	M38510/34101B2A	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
54F821FMQB	5962-8943801KA	1	SHIFT REGISTER, 10-BIT, NONINVERTING	NATIONAL
54F821LMQB	5962-89438013A	1	SHIFT REGISTER, 10-BIT, NONINVERTING	NATIONAL
54F821SDMQB	5962-8943801LA	1	SHIFT REGISTER, 10-BIT, NONINVERTING	NATIONAL
54F827FMQB	5962-9209001MKA	2	BUFFER/LINE DRIVER, 10-BIT	NATIONAL
54F827LMQB	5962-9209001M3A	2	BUFFER/LINE DRIVER, 10-BIT	NATIONAL
54F827SDMQB	5962-9209001MLA	2	BUFFER/LINE DRIVER, 10-BIT	NATIONAL
54F86/BCAJC	M38510/34501BCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
54F86/BDAJC	M38510/34501BDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
54F86M/B2AJC	M38510/34501B2A	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
54FCT138DMQB	5962-8765401EA	3	DECODER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT138FMQB	5962-8765401FA	3	DECODER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT138LMQB	5962-87654012A	3	DECODER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT240DMQB	5962-8765501RA	2	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT240FMQB	5962-8765501SA		BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT240LMQB	5962-87655012A	2	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT244DMQB	5962-8763001RA	2	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT244FMQB	5962-8763001SA	2	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT244LMQB	5962-87630012A	2	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT245DMQB	5962-8762901RA	3	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT245FMQB	5962-8762901SA	3	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT273DMQB	5962-8765601RA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT273FMQB	5962-87656015A	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT273LMQB	5962-87656012A	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR, TTL-COMPATIBLE INPUTS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54FCT373DMQB	5962-8764401RA	2	LATCH, D-TYPE, 8-BIT, TRANSPARENT, W/NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INP	NATIONAL
54FCT373FMQB	5962-8764401SA	1	LATCH, D-TYPE, 8-BIT, TRANSPARENT, W/NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INP	NATIONAL
54FCT373LMQB	5962-87644012A	2	LATCH, D-TYPE, 8-BIT, TRANSPARENT, W/NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INP	NATIONAL
54FCT374DMQB	5962-8762801RA	1	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL
54FCT374FMQB	5962-8762801SA	1	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL
54FCT374LMQB	5962-87628012A	2	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS, TTL-COMP. INPUTS	NATIONAL
54FCT377DMQB	5962-8762701RA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT377FMQB	5962-8762701SA	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT377LMQB	5962-87627012A	3	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT521DMQB	5962-8854301RA	3	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT521FMQB	5962-8854301SA	3	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT521LMQB	5962-88543012A	3	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT533DMQB	5962-8865101RA	1	LATCH, 8-BIT, TRANSPARENT	NATIONAL
54FCT533FMQB	5962-8865101SA	1	LATCH, 8-BIT, TRANSPARENT	NATIONAL
54FCT533LMQB	5962-88651012A	1	LATCH, 8-BIT, TRANSPARENT	NATIONAL
54FCT540DMQB	5962-8976701RA	2	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT540FMQB	5962-8976701SA	2	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT540LMQB	5962-89767012A	2	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT541DMQB	5962-8976601RA	2	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT541FMQB	5962-8976601SA	2	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT541LMQB	5962-89766012A	2	BUFFER/DRIVER, OCTAL, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT573DMQB	5962-8863901RA	2	LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT573FMQB	5962-8863901SA	2	LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT573LMQB	5962-88639012A	2	LATCH, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	NATIONAL
54FCT574DMQB	5962-8951301RA		FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54FCT574FMQB	5962-8951301SA		FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54FCT574LMQB	5962-89513012A		FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
54HC00	M38510/65001BDA	1(1)	NAND GATE, QUAD 2-INPUT	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54HC00	M38510/65001BCA	1(1)	NAND GATE, QUAD 2-INPUT	T.I.
54HC00	M38510/65001B2A	1(1)	NAND GATE, QUAD 2-INPUT	T.I.
54HC00/BCAJC	8403701CA	1(0)	NAND GATE, QUAD 2-INPUT	MOTOROLA
54HC00M/B2AJC	84037012A	1(0)	NAND GATE, QUAD 2-INPUT	MOTOROLA
54HC02	M38510/65101BCA	1(1)	NOR GATE, QUAD 2-INPUT	T.I.
54HC02	M38510/65101B2A	1(1)	NOR GATE, QUAD 2-INPUT	T.I.
54HC02	M38510/65101BDA	1(1)	NOR GATE, QUAD 2-INPUT	T.I.
54HC02/BCAJC	8404101CA	1(0)	NOR GATE, QUAD 2-INPUT	MOTOROLA
54HC02M/B2AJC	84041012A	1(0)	NOR GATE, QUAD 2-INPUT	MOTOROLA
54HC03/BCAJC	5962-8764701CA	1	NAND GATE, QUAD 2-INPUT, WITH OPEN-DRAIN OUTPUTS	MOTOROLA
54HC03M/B2AJC	5962-87647012A	1	NAND GATE, QUAD 2-INPUT, WITH OPEN-DRAIN OUTPUTS	MOTOROLA
54HC04	M38510/65701BDA	1(1.5)	HEX INVERTER	T.I.
54HC04	M38510/65701BCA	1(1.5)	HEX INVERTER	T.I.
54HC04	M38510/65701B2A	1(1.5)	HEX INVERTER	T.I.
54HC04/BCAJC	8409801CA	1(0)	HEX INVERTER	MOTOROLA
54HC04M/B2AJC	84098012A	1(0)	HEX INVERTER	MOTOROLA
54HC08	M38510/65203BDA	1(1)	AND GATE, QUAD 2-INPUT	T.I.
54HC08	M38510/65203BCA	1(1)	AND GATE, QUAD 2-INPUT	T.I.
54HC08	M38510/65203B2A	1(1)	AND GATE, QUAD 2-INPUT	T.I.
54HC08/BCAJC	8404701CA	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
54HC08M/B2AJC	84047012A	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
54HC09	5962-8862001CA	1(.5)	AND GATE, QUAD 2-INPUT, WITH OPEN-DRAIN OUTPUTS	T.I.
54HC09	5962-88620012A	1(.5)	AND GATE, QUAD 2-INPUT, WITH OPEN-DRAIN OUTPUTS	T.I.
54HC10	M38510/65002BCA	1(1)	NAND GATE, TRIPLE 3-INPUT	T.I.
54HC10	M38510/65002B2A	1(1)	NAND GATE, TRIPLE 3-INPUT	T.I.
54HC10	M38510/65002BDA	1(1)	NAND GATE, TRIPLE 3-INPUT	T.I.
54HC10/BCAJC	8403801CA	1(0)	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
54HC109	M38510/65304B2A	2(2)	FLIP-FLOP, JK, DUAL	T.I.
54HC109	M38510/65304BEA	2(2)	FLIP-FLOP, JK, DUAL	T.I.
54HC109/BEAJC	8415001EA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54HC109M/B2AJC	84150012A	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54HC10M/B2AJC	84038012A	1	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
54HC11	M38510/65204BDA	2(2)	AND GATE, TRIPLE 3-INPUT	T.I.
54HC11	M38510/65204BCA	2(2)	AND GATE, TRIPLE 3-INPUT	T.I.
54HC11/BCAJC	8404601CA	1	AND GATE, TRIPLE 3-INPUT	MOTOROLA
54HC112	M38510/65305BFA	3(4)	FLIP-FLOP, JK, DUAL, WITH SET AND RESET	T.I.
54HC112	M38510/65305BEA	3(4)	FLIP-FLOP, JK, DUAL, WITH SET AND RESET	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54HC112/BEAJC	8408801EA	1(0)	FLIP-FLOP, JK, DUAL, WITH SET AND RESET	MOTOROLA
54HC112M/B2AJC	84088012A	1(0)	FLIP-FLOP, JK, DUAL, WITH SET AND RESET	MOTOROLA
54HC113/BCAJC	5962-8969501CA	1	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED, WITH ASYNCHRONOUS PRESET	MOTOROLA
54HC113M/B2AJC	5962-89695012A	1	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED, WITH ASYNCHRONOUS PRESET	MOTOROLA
54HC11M/B2AJC	84048012A	1	AND GATE, TRIPLE 3-INPUT	MOTOROLA
54HC133	5962-8772301EA	1(1)	NAND GATE, 13-INPUT	T.I.
54HC133	5962-87723012A	1(1)	NAND GATE, 13-INPUT	T.I.
54HC138	M38510/65802BEA	3(4)	DECODER, 3-TO-8-LINE	T.I.
54HC138	M38510/65802BFA	3(4)	DECODER, 3-TO-8-LINE	T.I.
54HC138	M38510/65802B2A	3(4)	DECODER, 3-TO-8-LINE	T.I.
54HC138/BEAJC	8406201EA	1(0)	DECODER, 3-TO-8-LINE	MOTOROLA
54HC138M/B2AJC	84062012A	1(0)	DECODER, 3-TO-8-LINE	MOTOROLA
54HC139	M38510/65803BEA	2(2)	DECODER, DUAL 2-TO-4-LINE	T.I.
54HC139	M38510/65803BFA	2(2)	DECODER, DUAL 2-TO-4-LINE	T.I.
54HC139/BEAJC	8409201EA	1(0)	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
54HC139M/B2AJC	84092012A	1(0)	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
54HC14	M38510/65702BCA	2(2)	HEX INVERTER, SCHMITT TRIGGER	T.I.
54HC14	M38510/65702BDA	2(2)	HEX INVERTER, SCHMITT TRIGGER	T.I.
54HC14/BCAJC	8409101CA	1(0)	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
54HC14M/B2AJC	84091012A	1	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
54HC151/BEAJC	8412801EA	1	DATA SEL/MULTIPLEXER, 8-INPUT, WITH ENABLE	MOTOROLA
54HC151M/B2AJC	84128012A	1	DATA SEL/MULTIPLEXER, 8-INPUT, WITH ENABLE	MOTOROLA
54HC153/BEAJC	8409301EA	1	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54HC153M/B2AJC	84093012A	1	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54HC157/BEAJC	5962-8606101EA	1	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54HC157M/B2AJC	5962-86061012A	1	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54HC158/BEAJC	M38510/66204BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTED OUTPUTS	MOTOROLA
54HC158/BEAJC	5962-8682301EA	1	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTED OUTPUTS	MOTOROLA
54HC158M/B2AJC	5962-86823012A	1	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTED OUTPUTS	MOTOROLA
54HC158M/B2AJC	M38510/6620482A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTED OUTPUTS	MOTOROLA
54HC161	M38510/66302BEA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
54HC161	M38510/66302BFA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	T.I.
54HC161/BEAJC	8407501EA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54HC161M/B2AJC	84075012A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	MOTOROLA
54HC163	M38510/663048EA	1(1)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54HC163/BEAJC	8607601EA	1	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
54HC163M/B2AJC	86076012A	1	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
54HC164/BCAJC	M38510/665018CA	1(0)	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	MOTOROLA
54HC164/BCAJC	8416201CA	1(0)	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	MOTOROLA
54HC164M/B2AJC	M38510/66501B2A	1(0)	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	MOTOROLA
54HC164M/B2AJC	84162012A	1(0)	SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	MOTOROLA
54HC165/BEAJC	8409501EA	1	SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT	MOTOROLA
54HC165/BEAJC	M38510/665028EA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT	MOTOROLA
54HC165M/B2AJC	M38510/66502B2A	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT	MOTOROLA
54HC165M/B2AJC	84095012A	1	SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT	MOTOROLA
54HC173	5962-8682501EA	2(2)	FLIP-FLOP, D-TYPE, 4-BIT, WITH 3-STATE OUTPUTS	T.I.
54HC173	5962-86825012A	2(2)	FLIP-FLOP, D-TYPE, 4-BIT, WITH 3-STATE OUTPUTS	T.I.
54HC174	M38510/65307BEA	1(1)	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
54HC174	M38510/65307BFA	1(1)	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	T.I.
54HC174/BEAJC	8407301EA	1(0)	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	MOTOROLA
54HC174M/B2AJC	84073012A	1(0)	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	MOTOROLA
54HC175	M38510/65308BFA	2(2)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54HC175	M38510/653088EA	2(2)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54HC175/BEAJC	8408901EA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
54HC175M/B2AJC	84089012A	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
54HC190	5962-89946012A	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
54HC190	5962-8994601EA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
54HC194	5962-86826012A	1(.5)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL	T.I.
54HC194	5962-8682601EA	1(.5)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL	T.I.
54HC195	5962-8682701EA	1(1)	SHIFT REGISTER, 4-BIT PARALLEL	T.I.
54HC195	5962-86827012A	1(1)	SHIFT REGISTER, 4-BIT PARALLEL	T.I.
54HC20	M38510/650038DA	1(1.5)	NAND GATE, DUAL 4-INPUT	T.I.
54HC20	M38510/650038CA	1(1.5)	NAND GATE, DUAL 4-INPUT	T.I.
54HC20/BCAJC	8403901CA	1(0)	NAND GATE, DUAL 4-INPUT	MOTOROLA
54HC20M/B2AJC	84039012A	1(0)	NAND GATE, DUAL 4-INPUT	MOTOROLA
54HC237	5962-8860601EA	1(.5)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE, WITH ADDRESS LATCH	T.I.
54HC237	5962-88606012A	1(.5)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE, WITH ADDRESS LATCH	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54HC238	5962-86884012A	1(.5)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
54HC238	5962-8688401EA	1(.5)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
54HC240	M38510/65703BRA	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC240	M38510/65703BSA	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC240	M38510/65703B2A	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC240/BRAJC	8407401RA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54HC240M/B2AJC	84074012A	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54HC241	M38510/65704BRA	1(1.5)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC244	M38510/65705BRA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC244	M38510/65705BSA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC244	M38510/65705B2A	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC244/BRAJC	8409601RA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54HC244/BRAJC	M38510/65705BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54HC244M/B2AJC	M38510/65705B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54HC244M/B2AJC	84096012A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54HC245	M38510/655038SA	3(4)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54HC245	M38510/655038RA	3(4)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54HC251/BEAJC	8512501EA	1	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54HC251M/B2AJC	85125012A	1	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54HC257/B2AJC	85124012A	1	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54HC257/BEAJC	8512401EA	1	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54HC259	M38510/65402BEA	1(1)	LATCH, 8-BIT ADDRESSABLE	T.I.
54HC27	M38510/65102BCA	1(1)	NOR GATE, TRIPLE 3-INPUT	T.I.
54HC27	M38510/65102BDA	1(1)	NOR GATE, TRIPLE 3-INPUT	T.I.
54HC27/BCAJC	8404201CA	1(0)	NOR GATE, TRIPLE 3-INPUT	MOTOROLA
54HC273	M38510/656018SA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
54HC273	M38510/656018RA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
54HC273/BRAJC	8409901RA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54HC273M/B2CJC	84099012A	1	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
54HC27M/B2AJC	84042012A	1(0)	NOR GATE, TRIPLE 3-INPUT	MOTOROLA
54HC280	86077012A	1(1)	PARITY GENERATOR/CHECKER, 9-BIT ODD/EVEN	T.I.
54HC280	8607701CA	1(1)	PARITY GENERATOR/CHECKER, 9-BIT ODD/EVEN	T.I.
54HC30	M38510/65004BCA	1(1)	NAND GATE, 8-INPUT	T.I.
54HC30	M38510/65004BDA	1(1)	NAND GATE, 8-INPUT	T.I.
54HC30	84040012A	1(1)	NAND GATE, 8-INPUT	T.I.
54HC30	8404001DA	1(1)	NAND GATE, 8-INPUT	T.I.
54HC30	8404001CA	1(1)	NAND GATE, 8-INPUT	T.I.
54HC30	M38510/6500482A	1(1)	NAND GATE, 8-INPUT	T.I.
54HC30/BCAJC	8404001CA	1(0)	NAND GATE, 8-INPUT	MOTOROLA
54HC30M/B2AJC	84040012A	1(0)	NAND GATE, 8-INPUT	MOTOROLA
54HC32	M38510/65201B2A	2(2)	OR GATE, QUAD 2-INPUT	T.I.
54HC32	M38510/65201BDA	2(2)	OR GATE, QUAD 2-INPUT	T.I.
54HC32	M38510/65201BCA	2(2)	OR GATE, QUAD 2-INPUT	T.I.
54HC32/BCAJC	8404501CA	1(0)	OR GATE, QUAD 2-INPUT	MOTOROLA
54HC32M/B2AJC	84045012A	1(0)	OR GATE, QUAD 2-INPUT	MOTOROLA
54HC365	M38510/657068EA	1(1)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC366	5962-8682801EA	1(1)	BUFFER/DRIVER, HEX, INVERTING, WITH COMMON ENABLES AND 3-STATE OUTPUTS	T.I.
54HC366	5962-86828012A	1(1)	BUFFER/DRIVER, HEX, INVERTING, WITH COMMON ENABLES AND 3-STATE OUTPUTS	T.I.
54HC367	M38510/657088FA	2(2)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC367	M38510/65708BEA	2(2)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC368	M38510/657098EA	3(4)	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC373	M38510/65403BRA	2(2)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54HC373	M38510/65403BSA	2(2)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54HC373	M38510/6540382A	2(2)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54HC373/BRAJC	8407201RA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54HC373M/B2AJC	84072012A	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54HC374	M38510/65602BSA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54HC374	M38510/65602BRA	2(2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54HC374/BRAJC	8407101RA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54HC374M/B2AJC	84071012A	1	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54HC390	86009012A	1(1)	BINARY COUNTER, DUAL, WITH DIVIDE BY 2 AND DIVIDE BY 5 SECTIONS	T.I.
54HC390	8600901EA	1(1)	BINARY COUNTER, DUAL, WITH DIVIDE BY 2 AND DIVIDE	T.I.

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			BY 5 SECTIONS	
54HC390/BEAJC	8600901EA	1	BINARY COUNTER, DUAL, WITH DIVIDE BY 2 AND DIVIDE BY 5 SECTIONS	MOTOROLA
54HC390M/B2CJC	86009012A	1	BINARY COUNTER, DUAL, WITH DIVIDE BY 2 AND DIVIDE BY 5 SECTIONS	MOTOROLA
54HC393	M38510/66309BCA	2(2)	BINARY COUNTER, DUAL 4-BIT	T.I.
54HC393	M38510/66309BDA	2(2)	BINARY COUNTER, DUAL 4-BIT	T.I.
54HC393/BCAJC	8410001CA	1(0)	BINARY COUNTER, DUAL 4-BIT	MOTOROLA
54HC393M/B2AJC	84100012A	1(0)	BINARY COUNTER, DUAL 4-BIT	MOTOROLA
54HC4002	M38510/65104BCA	2(2)	NOR GATE, DUAL 4-INPUT	T.I.
54HC4002	M38510/65104BDA	2(2)	NOR GATE, DUAL 4-INPUT	T.I.
54HC4002	8404401CA	2(2)	NOR GATE, DUAL 4-INPUT	T.I.
54HC4002	8404401DA	2(2)	NOR GATE, DUAL 4-INPUT	T.I.
54HC4002	84044012A	2(2)	NOR GATE, DUAL 4-INPUT	T.I.
54HC4020/BEAJC	8500301EA	1	BINARY COUNTER, 14-STAGE RIPPLE	MOTOROLA
54HC4020M/B2AJC	85003012A	1(0)	BINARY COUNTER, 14-STAGE RIPPLE	MOTOROLA
54HC4024	86012012A	1(.5)	BINARY COUNTER, 7-STAGE RIPPLE	T.I.
54HC4024	8601201CA	1(.5)	BINARY COUNTER, 7-STAGE RIPPLE	T.I.
54HC4024/B2CJC	86012012A	1	BINARY COUNTER, 7-STAGE RIPPLE	MOTOROLA
54HC4024/BCAJC	8601201CA	1	BINARY COUNTER, 7-STAGE RIPPLE	MOTOROLA
54HC4040/BEAJC	8500401EA	1	BINARY COUNTER, 12-STAGE RIPPLE	MOTOROLA
54HC4040M/B2AJC	85004012A	1	BINARY COUNTER, 12-STAGE RIPPLE	MOTOROLA
54HC4066	5962-8950701CA	1(0)	ANALOG SWITCH, SPST, 4-CHANNEL	T.I.
54HC4066	5962-89507012A	1(0)	ANALOG SWITCH, SPST, 4-CHANNEL	T.I.
54HC4075	5962-8772201CA	2(2)	OR GATE, TRIPLE 3-INPUT	T.I.
54HC4075	5962-87722012A	2(2)	OR GATE, TRIPLE 3-INPUT	T.I.
54HC4075/BCAJC	5962-8772201CA	1	OR GATE, TRIPLE 3-INPUT	MOTOROLA
54HC4075M/B2AJC	5962-87722012A	1	OR GATE, TRIPLE 3-INPUT	MOTOROLA
54HC4078/BCAJC	5962-8857401CA	1	NOR/OR GATE, 8-INPUT	MOTOROLA
54HC4078M/B2AJC	5962-88574012A	1	NOR/OR GATE, 8-INPUT	MOTOROLA
54HC42	5962-8682101EA	2(2)	DECODER, BCD-TO-DECIMAL	T.I.
54HC42	5962-86821012A	2(2)	DECODER, BCD-TO-DECIMAL	T.I.
54HC42/BEAJC	5962-8682101EA	1	DECODER, BCD-TO-DECIMAL	MOTOROLA
54HC42M/B2AJC	5962-86821012A	1	DECODER, BCD-TO-DECIMAL	MOTOROLA
54HC4538/BEAJC	5962-8688601EA	1	MULTIBIBRATOR, DUAL MONOSTABLE RETRIGGERABLE, PRECISION	MOTOROLA
54HC4538M/B2AJC	5962-86886012A	1	MULTIBIBRATOR, DUAL MONOSTABLE RETRIGGERABLE, PRECISION	MOTOROLA
54HC51	5962-9151301M2A	1(0)	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
54HC51	5962-9151301MMA	1(0)		T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54HC534	5962-86814012A	1(1)	FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54HC534	5962-8681401RA	1(1)	FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54HC540	M38510/65710BRA	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC541	M38510/65711BRA	1(1)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC541	M38510/65711BSA	1(1)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54HC563	5962-8606201RA	1(1)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54HC563	5962-86062012A	1(1)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54HC563	5962-8606201SA	1(1)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	T.I.
54HC573	M38510/65406BRA	2(2)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54HC574	M38510/65604BRA	3(4)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54HC595/BEAJC	5962-8681601EA	1	SHIFT REGISTER, 8-BIT, WITH OUTPUT LATCHES	MOTOROLA
54HC595M/B2AJC	5962-86816012A	1	SHIFT REGISTER, 8-BIT, WITH OUTPUT LATCHES	MOTOROLA
54HC688	5962-8681801RA	1(1)	MAGNITUDE COMPARATOR, 8-BIT	T.I.
54HC688	5962-86818012A	1(1)	MAGNITUDE COMPARATOR, 8-BIT	T.I.
54HC73/BCAJC	5962-8515301CA	1	FLIP-FLOP, JK, DUAL, WITH RESET	MOTOROLA
54HC74	M38510/65302BDA	2(2)	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	T.I.
54HC74	M38510/65302BCA	2(2)	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	T.I.
54HC74	M38510/65302B2A	2(2)	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	T.I.
54HC74/BCAJC	8405601CA	1(0)	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	MOTOROLA
54HC74M/B2AJC	84056012A	1(0)	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	MOTOROLA
54HC75	8407001EA	1(.5)	LATCH, DUAL 2-BIT, TRANSPARENT	T.I.
54HC75	8407001FA	1(.5)	LATCH, DUAL 2-BIT, TRANSPARENT	T.I.
54HC85/B2AJC	86013012A	1	MAGNITUDE COMPARATOR, 4-BIT	MOTOROLA
54HC85/BEAJC	8601301EA	1	MAGNITUDE COMPARATOR, 4-BIT	MOTOROLA
54HC86	M38510/65202BDA	2(2)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
54HC86	M38510/65202BCA	2(2)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
54HC86/BCAJC	8404601CA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
54HC86M/B2AJC	84046012A	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
54HCT04	M38510/65751BCA	1(1)	HEX INVERTER, TTL-COMPATIBLE INPUTS	T.I.
54HCT04/BCAJC	5962-8974701CA	1	HEX INVERTER, TTL-COMPATIBLE INPUTS	MOTOROLA
54HCT04M/B2AJC	5962-89747012A	1	HEX INVERTER, TTL-COMPATIBLE INPUTS	MOTOROLA
54HCT138	M38510/65852BEA	2(2)	DECODER, 3-TO-8-LINE	T.I.
54HCT238	5962-8974501EA	2(2)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54HCT238	5962-89745012A	2(2)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	T.I.
54HCT240	M38510/65753BRA	2(2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54HCT240/BRAJC	8550501RA	1	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54HCT240M/B2AJC	85505012A	1	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54HCT244	M38510/65755BRA	1(1)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54HCT244/BRAJC	8513001RA	1	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54HCT244M/B2AJC	85130012A	1	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54HCT245	M38510/65553BRA	2(2)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54HCT245	M38510/65553BSA	2(2)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54HCT245/BRAJC	8550601RA	1	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
54HCT245M/B2AJC	85506012A	1	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	MOTOROLA
54HCT373	M38510/65453BSA	3(4)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	T.I.
54HCT373	M38510/65453BRA	3(4)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	T.I.
54HCT373/BRAJC	5962-8686701RA	1	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	MOTOROLA
54HCT373M/B2AJC	5962-86867012A	1	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	MOTOROLA
54HCT374	M38510/65652BRA	1(1)	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	T.I.
54HCT374	M38510/65652BSA	1(1)	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	T.I.
54HCT374/BRAJC	8550701RA	1	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	MOTOROLA
54HCT374M/B2AJC	85507012A	1	FLIP-FLOP, D-TYPE, 8-BIT, WITH NONINVERTING 3-STATE OUTPUTS	MOTOROLA
54HCT540	M38510/65760BRA	1(1)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54HCT541	M38510/65761BRA	2(2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54HCT74	M38510/65352BCA	1(1.5)	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR WITH LSTTL-COMPATIBLE INPUTS	T.I.
54HCU04/BCAJC	8601001CA	1	HEX INVERTER, UNBUFFERED	MOTOROLA
54HCU04M/B2AJC	86010012A	1	HEX INVERTER, UNBUFFERED	MOTOROLA
54LS00	M38510/30001BDA	1(1)	NAND GATE, QUAD 2-INPUT	T.I.
54LS00	M38510/30001BCA	1(1)	NAND GATE, QUAD 2-INPUT	T.I.
54LS00	M38510/30001B2A	1(1)	NAND GATE, QUAD 2-INPUT	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS00/BCAJC	M38510/30001BCA	1(0)	NAND GATE, QUAD 2-INPUT	MOTOROLA
54LS00/BDAJC	M38510/30001BDA	1(0)	NAND GATE, QUAD 2-INPUT	MOTOROLA
54LS00M/B2AJC	M38510/30001B2A	1(0)	NAND GATE, QUAD 2-INPUT	MOTOROLA
54LS02	M38510/30301B2A	3(4)	NOR GATE, QUAD 2-INPUT	T.I.
54LS02	M38510/30301BDA	3(4)	NOR GATE, QUAD 2-INPUT	T.I.
54LS02	M38510/30301BCA	3(4)	NOR GATE, QUAD 2-INPUT	T.I.
54LS02/BCAJC	M38510/30301BCA	1(0)	NOR GATE, QUAD 2-INPUT	MOTOROLA
54LS02/BDAJC	M38510/30301BDA	1(0)	NOR GATE, QUAD 2-INPUT	MOTOROLA
54LS02M/B2AJC	M38510/30301B2A	1(0)	NOR GATE, QUAD 2-INPUT	MOTOROLA
54LS03/BCAJC	M38510/30002BCA	1(0)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS04	M38510/30003B2A	1(1)	HEX INVERTER	T.I.
54LS04	M38510/30003BCA	1(1)	HEX INVERTER	T.I.
54LS04	M38510/30003BDA	1(1)	HEX INVERTER	T.I.
54LS04/BCAJC	M38510/30003BCA	1(0)	HEX INVERTER	MOTOROLA
54LS04/BDAJC	M38510/30003BDA	1(0)	HEX INVERTER	MOTOROLA
54LS04M/B2AJC	M38510/30003B2A	1(0)	HEX INVERTER	MOTOROLA
54LS05/BCAJC	M38510/30004BCA	1(0)	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS05M/B2AJC	M38510/30004B2A	1(0)	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS08	M38510/31004BDA	1(1)	AND GATE, QUAD 2-INPUT	T.I.
54LS08	M38510/31004BCA	1(1)	AND GATE, QUAD 2-INPUT	T.I.
54LS08	M38510/31004B2A	1(1)	AND GATE, QUAD 2-INPUT	T.I.
54LS08/BCAJC	M38510/31004BCA	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
54LS08/BDAJC	M38510/31004BDA	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
54LS08M/B2AJC	M38510/31004B2A	1(0)	AND GATE, QUAD 2-INPUT	MOTOROLA
54LS09	80019012A	1(.5)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS09	8001901CA	1(.5)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS09	8001901DA	1(.5)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS09/BCAJC	M38510/31005BCA	1(0)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS09/BCAJC	8001901CA	1(0)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS09/BDAJC	M38510/31005BDA	1(0)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS10	M38510/30005BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	T.I.
54LS10	M38510/30005BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	T.I.
54LS10	M38510/30005B2A	1(0)	NAND GATE, TRIPLE 3-INPUT	T.I.
54LS10/BCAJC	M38510/30005BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS10/BDAJC	M38510/30005BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
54LS107A/BCAJC	M38510/30108BCA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54LS109A	M38510/30109BEA	2(2)	FLIP-FLOP, JK, DUAL	T.I.
54LS109A	M38510/30109BFA	2(2)	FLIP-FLOP, JK, DUAL	T.I.
54LS109A	M38510/3010982A	2(2)	FLIP-FLOP, JK, DUAL	T.I.
54LS109A/BEAJC	M38510/30109BEA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54LS109A/BFAJC	M38510/30109BFA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54LS10M/B2AJC	M38510/3000582A	1(0)	NAND GATE, TRIPLE 3-INPUT	MOTOROLA
54LS11	M38510/31001BCA	1(0)	AND GATE, TRIPLE 3-INPUT	T.I.
54LS11	M38510/31001B2A	1(0)	AND GATE, TRIPLE 3-INPUT	T.I.
54LS11	M38510/31001BDA	1(0)	AND GATE, TRIPLE 3-INPUT	T.I.
54LS11/BCAJC	M38510/31001BCA	1(0)	AND GATE, TRIPLE 3-INPUT	MOTOROLA
54LS11/BDAJC	M38510/31001BDA	1(0)	AND GATE, TRIPLE 3-INPUT	MOTOROLA
54LS112A	M38510/30103BFA	1(0)	FLIP-FLOP, JK, DUAL	T.I.
54LS112A	M38510/3010382A	1(0)	FLIP-FLOP, JK, DUAL	T.I.
54LS112A	M38510/30103BEA	1(0)	FLIP-FLOP, JK, DUAL	T.I.
54LS112A/BEAJC	M38510/30103BEA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54LS112A/BFAJC	M38510/30103BFA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54LS112AM/B2AJC	M38510/3010382A	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54LS113A/BCAJC	M38510/30104BCA	1(0)	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR	MOTOROLA
54LS113A/BDAJC	M38510/30104BDA	1(0)	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR	MOTOROLA
54LS114A/BCAJC	M38510/30105BCA	1(0)	FLIP-FLOP, JK, DUAL, WITH PRESET	MOTOROLA
54LS12/BCAJC	M38510/30006BCA	1(0)	NAND GATE, TRIPLE 3-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS12/BDAJC	M38510/30006BDA	1(0)	NAND GATE, TRIPLE 3-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS122/BCAJC	M38510/31403BCA	1(0)	MULTIVIBRATOR, MONOSTABLE RETRIGGERABLE, WITH CLEAR	MOTOROLA
54LS122/BCAJC	7600301CA	1(0)	MULTIVIBRATOR, MONOSTABLE RETRIGGERABLE, WITH CLEAR	MOTOROLA
54LS122/BDAJC	M38510/31403BDA	1(0)	MULTIVIBRATOR, MONOSTABLE RETRIGGERABLE, WITH CLEAR	MOTOROLA
54LS123	M38510/31401BFA	1(1)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	T.I.
54LS123	7603901EA	1(1)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	T.I.
54LS123	M38510/31401BEA	1(1)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	T.I.
54LS123	M38510/31401B2A	1(1)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	T.I.
54LS123	7603901FA	1(1)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS123/BEAJC	M38510/31401BEA	1(0)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	MOTOROLA
54LS123/BEAJC	7603901EA	1(0)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	MOTOROLA
54LS123/BFAJC	M38510/31401BFA	1(0)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	MOTOROLA
54LS123/BFAJC	7603901FA	1(0)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	MOTOROLA
54LS123M/B2AJC	M38510/31401B2A	1(0)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR	MOTOROLA
54LS125A	M38510/32301BDA	1(0)	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS125A	M38510/32301BCA	1(0)	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS125A	M38510/32301B2A	1(0)	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS125A/BCAJC	M38510/32301BCA	1	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS125A/BDAJC	M38510/32301BDA	1	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS125AM/B2AJC	M38510/32301B2A	1	BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS13/BCAJC	M38510/31301BCA	1(0)	NAND GATE, DUAL 4-INPUT, SCHMITT TRIGGER	MOTOROLA
54LS132	7600401DA	1(1)	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	T.I.
54LS132	7600401CA	1(1)	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	T.I.
54LS132/BCAJC	M38510/31303BCA	1(0)	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	MOTOROLA
54LS132/BDAJC	M38510/31303BDA	1(0)	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER	MOTOROLA
54LS136	5962-9231901MCA	1(0)	EXCLUSIVE-OR GATE, QUAD	T.I.
54LS136	5962-9231901MDA	1(0)	EXCLUSIVE-OR GATE, QUAD	T.I.
54LS136	5962-9231901M2A	1(0)	EXCLUSIVE-OR GATE, QUAD	T.I.
54LS138	M38510/30701BEA	1(1)	DECODER, 3-TO-8-LINE	T.I.
54LS138	7600501FA	1(1)	DECODER, 3-TO-8-LINE	T.I.
54LS138	M38510/30701B2A	1(1)	DECODER, 3-TO-8-LINE	T.I.
54LS138	76005012A	1(1)	DECODER, 3-TO-8-LINE	T.I.
54LS138	7600501EA	1(1)	DECODER, 3-TO-8-LINE	T.I.
54LS138	M38510/30701BFA	1(1)	DECODER, 3-TO-8-LINE	T.I.
54LS138/BEAJC	M38510/30701BEA	1(0)	DECODER, 3-TO-8-LINE	MOTOROLA
54LS138/BEAJC	7600501EA	1(0)	DECODER, 3-TO-8-LINE	MOTOROLA
54LS138/BFAJC	M38510/30701BFA	1(0)	DECODER, 3-TO-8-LINE	MOTOROLA
54LS138/BFAJC	7600501FA	1(0)	DECODER, 3-TO-8-LINE	MOTOROLA
54LS138M/B2AJC	M38510/30701B2A	1(0)	DECODER, 3-TO-8-LINE	MOTOROLA
54LS138M/B2AJC	76005012A	1(0)	DECODER, 3-TO-8-LINE	MOTOROLA
54LS139/BEAJC	M38510/30702BEA	1(0)	DECODER, DUAL 2-TO-4-LINE	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS139/BEAJC	7600701EA	1	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
54LS139/BFAJC	7600701FA	1	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
54LS139/BFAJC	M38510/30702BFA	1(0)	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
54LS139A	M38510/30702BEA	1(1)	DECODER, DUAL 2-TO-4-LINE	T.I.
54LS139A	7600701FA	1(1)	DECODER, DUAL 2-TO-4-LINE	T.I.
54LS139A	76007012A	1(1)	DECODER, DUAL 2-TO-4-LINE	T.I.
54LS139A	M38510/30702BFA	1(1)	DECODER, DUAL 2-TO-4-LINE	T.I.
54LS139A	7600701EA	1(1)	DECODER, DUAL 2-TO-4-LINE	T.I.
54LS139A	M38510/30702B2A	1(1)	DECODER, DUAL 2-TO-4-LINE	T.I.
54LS139M/B2AJC	76007012A	1	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
54LS139M/B2AJC	M38510/30702B2A	1(0)	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
54LS14/BCAJC	M38510/31302BCA	1(0)	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
54LS14/BCAJC	M38510/31302BCA	1(0)	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
54LS145	8508401FA	1(.5)	DECODER/DRIVER, BCD-TO-DECIMAL	T.I.
54LS145	85084012A	1(.5)	DECODER/DRIVER, BCD-TO-DECIMAL	T.I.
54LS145	8508401EA	1(.5)	DECODER/DRIVER, BCD-TO-DECIMAL	T.I.
54LS148	M38510/36001BEA	1(<2)	PRIORITY ENCODER, 8-LINE-TO-3-LINE	T.I.
54LS148	M38510/36001B2A	1(<2)	PRIORITY ENCODER, 8-LINE-TO-3-LINE	T.I.
54LS148	7802701EA	1(<2)	PRIORITY ENCODER, 8-LINE-TO-3-LINE	T.I.
54LS148	78027012A	1(<2)	PRIORITY ENCODER, 8-LINE-TO-3-LINE	T.I.
54LS148	7802701FA	1(<2)	PRIORITY ENCODER, 8-LINE-TO-3-LINE	T.I.
54LS14M/B2AJC	M38510/31302B2A	1(0)	HEX INVERTER, SCHMITT TRIGGER	MOTOROLA
54LS15/BCAJC	M38510/31002BCA	1(0)	AND GATE, TRIPLE 3-INPUT, WITH OPEN-COLLECTOR INPUTS	MOTOROLA
54LS151	M38510/30901B2A	1(<2)	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
54LS151	M38510/30901BFA	1(<2)	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
54LS151	7601001FA	1(<2)	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
54LS151	M38510/30901BEA	1(<2)	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
54LS151	7601001EA	1(<2)	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
54LS151	76010012A	1(<2)	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
54LS151/BEAJC	M38510/30901BEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
54LS151/BFAJC	M38510/30901BFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
54LS151M/B2AJC	M38510/30901B2A	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	MOTOROLA
54LS153	76011012A	1(1)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54LS153	7601101EA	1(1)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54LS153	M38510/30902BEA	1(1)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54LS153	M38510/30902B2A	1(1)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54LS153	M38510/30902BFA	1(1)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS153	7601101FA	1(1)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54LS153/BEAJC	M38510/30902BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54LS153/BEAJC	7601101EA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54LS153/BFAJC	M38510/30902BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54LS153M/B2AJC	M38510/30902B2A	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	MOTOROLA
54LS155/BEAJC	M38510/32601BEA	1(0)	DECODER, DUAL 2-TO-4-LINE	MOTOROLA
54LS157	M38510/30903B2A	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54LS157	M38510/30903BEA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54LS157	76002012A	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54LS157	M38510/30903BFA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54LS157	7600201FA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54LS157/BEAJC	7600201EA	1	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54LS157/BEAJC	M38510/30903BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54LS157/BFAJC	M38510/30903BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54LS157/BFAJC	7600201FA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54LS157M/B2AJC	M38510/30903B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54LS157M/B2AJC	76002012A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	MOTOROLA
54LS158	7603301EA	1(1)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	T.I.
54LS158	76033012A	1(1)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	T.I.
54LS158	7603301FA	1(1)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	T.I.
54LS158/BEAJC	7603301EA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	MOTOROLA
54LS158/BEAJC	M38510/30904BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	MOTOROLA
54LS160A	M38510/31503B2A	2(2)	DECADE COUNTER, 4-BIT SYNCHRONOUS	T.I.
54LS160A	7700901EA	2(2)	DECADE COUNTER, 4-BIT SYNCHRONOUS	T.I.
54LS160A	7700901FA	2(2)	DECADE COUNTER, 4-BIT SYNCHRONOUS	T.I.
54LS160A	M38510/31503BEA	2(2)	DECADE COUNTER, 4-BIT SYNCHRONOUS	T.I.
54LS160A/BEAJC	7700901EA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
54LS160A/BEAJC	M38510/31503BEA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
54LS161A	7600801FA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
54LS161A	76008012A	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
54LS161A	7600801EA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
54LS161A	M38510/31504BFA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
54LS161A	M38510/31504B2A	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
54LS161A	M38510/31504BEA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS	T.I.
54LS161A/BEAJC	7600801EA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
54LS161A/BEAJC	M38510/31504BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
54LS161A/BFAJC	7600801FA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS161A/BFAJC	M38510/31504BFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
54LS161AM/B2AJC	M38510/31504B2A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
54LS162A/BEAJC	M38510/31511BEA	2	DECADE COUNTER, 4-BIT SYNCHRONOUS	MOTOROLA
54LS163A	M38510/31512B2A	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54LS163A	M38510/31512BEA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54LS163A	M38510/31512BFA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54LS163A	7603401EA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54LS163A	7603401FA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	T.I.
54LS163A/BEAJC	M38510/31512BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
54LS163A/BEAJC	7603401EA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
54LS163A/BFAJC	M38510/31512BFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
54LS163A/BFAJC	7603401FA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
54LS163AM/B2AJC	76034012A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	MOTOROLA
54LS164	M38510/30605BDA	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	T.I.
54LS164	M38510/30605BCA	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	T.I.
54LS164	M38510/30605B2A	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	T.I.
54LS164/BCAJC	M38510/30605BCA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	MOTOROLA
54LS164/BDAJC	M38510/30605BDA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	MOTOROLA
54LS164M/B2AJC	M38510/30605B2A	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	MOTOROLA
54LS165/BEAJC	M38510/30608BEA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	MOTOROLA
54LS165/BEAJC	7700601EA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	MOTOROLA
54LS165/BFAJC	M38510/30608BFA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	MOTOROLA
54LS165/BFAJC	7700601FA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	MOTOROLA
54LS165A	M38510/30608BFA	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
54LS165A	M38510/30608BEA	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
54LS165A	M38510/30608B2A	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
54LS165A	7700601EA	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
54LS165A	7700601FA	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	T.I.
54LS165M/B2AJC	M38510/30608B2A	1(0)	SHIFT REGISTER, 8-BIT PARALLEL LOAD	MOTOROLA
54LS166/BEAJC	8001701EA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	MOTOROLA
54LS166/BEAJC	M38510/30609BEA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	MOTOROLA
54LS166/BFAJC	M38510/30609BFA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS166/BFAJC	8001701FA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	MOTOROLA
54LS166A	M38510/30609B2A	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	T.I.
54LS166A	M38510/30609BFA	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	T.I.
54LS166A	8001701EA	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	T.I.
54LS166A	8001701FA	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	T.I.
54LS166A	M38510/30609BEA	1(<2)	SHIFT REGISTER, 8-BIT PARALLEL-IN, WITH CLEAR	T.I.
54LS169	80018022A	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
54LS169B	8001802EA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
54LS169B	8001802FA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	T.I.
54LS170	8002501EA	1(1)	REGISTER FILE, 4 X 4, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS170	8002501FA	1(1)	REGISTER FILE, 4 X 4, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS173A	M38510/36101BEA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54LS173A	M38510/36101B2A	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54LS174	M38510/30106BFA	1(.5)	FLIP-FLOP, D-TYPE, HEX	T.I.
54LS174	M38510/30106BEA	1(.5)	FLIP-FLOP, D-TYPE, HEX	T.I.
54LS174	M38510/30106B2A	1(.5)	FLIP-FLOP, D-TYPE, HEX	T.I.
54LS174/BEAJC	M38510/30106BEA	1(0)	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
54LS174/BFAJC	M38510/30106BFA	1(0)	FLIP-FLOP, D-TYPE, HEX	MOTOROLA
54LS175	M38510/30107B2A	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54LS175	M38510/30107BEA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54LS175	M38510/30107BFA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54LS175/BEAJC	M38510/30107BEA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
54LS175/BFAJC	M38510/30107BFA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
54LS175M/B2AJC	M38510/30107B2A	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	MOTOROLA
54LS181/BJAJC	M38510/30801BJA	1(0)	ALU/FUNCTION GENERATOR, 4-BIT	MOTOROLA
54LS181/BKAJC	M38510/30801BKA	1(0)	ALU/FUNCTION GENERATOR, 4-BIT	MOTOROLA
54LS190	76035012A	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH MODE CONTROL	T.I.
54LS190	7603501FA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH MODE CONTROL	T.I.
54LS190	7603501EA	2(2)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH MODE CONTROL	T.I.
54LS190/BEAJC	M38510/315138EA	1	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH MODE CONTROL	MOTOROLA
54LS191	76009012A	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	T.I.
54LS191	7600901EA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	T.I.
54LS191	M38510/31509BFA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	T.I.
54LS191	7600901FA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			DOWN/UP MODE CONTROL	
54LS191	M38510/31509BEA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	T.I.
54LS191	M38510/31509B2A	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	T.I.
54LS191/BEAJC	M38510/31509BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	MOTOROLA
54LS191/BEAJC	7600901EA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	MOTOROLA
54LS191/BFAJC	M38510/31509BFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	MOTOROLA
54LS191M/B2AJC	M38510/31509B2A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL	MOTOROLA
54LS192	76036012A	2(2)	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH CLEAR ENABLE	T.I.
54LS192	7603601FA	2(2)	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH CLEAR ENABLE	T.I.
54LS192	7603601EA	2(2)	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH CLEAR ENABLE	T.I.
54LS192/BEAJC	M38510/31507BEA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH CLEAR ENABLE	MOTOROLA
54LS192/BEAJC	7603601EA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH CLEAR ENABLE	MOTOROLA
54LS193	M38510/315088FA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
54LS193	7600601FA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
54LS193	7600601EA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
54LS193	M38510/315088EA	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
54LS193	M38510/3150882A	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
54LS193	76006012A	3(4)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	T.I.
54LS193/BEAJC	M38510/315088EA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	MOTOROLA
54LS193/BEAJC	7600601EA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	MOTOROLA
54LS193/BFAJC	M38510/315088FA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	MOTOROLA
54LS194A	M38510/30601BFA	1(<2)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
54LS194A	M38510/30601B2A	1(<2)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
54LS194A	M38510/30601BEA	1(<2)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
54LS194A/BEAJC	M38510/30601BEA	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	MOTOROLA
54LS194A/BFAJC	M38510/30601BFA	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	MOTOROLA
54LS195A	M38510/30602B2A	1(<2)	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	T.I.
54LS195A	M38510/30602BFA	1(<2)	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS195A	M38510/30602BEA	1(<2)	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	T.I.
54LS195A/BEAJC	M38510/30602BEA	1(0)	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	MOTOROLA
54LS195A/BFAJC	M38510/30602BFA	1(0)	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	MOTOROLA
54LS196	7701001CA	1(1)	DECADE/BINARY COUNTER, 4-BIT PRESETTABLE, 30 MHZ	T.I.
54LS196	7701001DA	1(1)	DECADE/BINARY COUNTER, 4-BIT PRESETTABLE, 30 MHZ	T.I.
54LS196	77010012A	1(1)	DECADE/BINARY COUNTER, 4-BIT PRESETTABLE, 30 MHZ	T.I.
54LS197	7601501CA	1(1)	DECADE/BINARY COUNTER, PRESETTABLE, 50/30-MHZ	T.I.
54LS197	7601501DA	1(1)	DECADE/BINARY COUNTER, PRESETTABLE, 50/30-MHZ	T.I.
54LS20	M38510/30007B2A	1(<2)	NAND GATE, DUAL 4-INPUT	T.I.
54LS20	M38510/30007BCA	1(<2)	NAND GATE, DUAL 4-INPUT	T.I.
54LS20	M38510/30007BDA	1(<2)	NAND GATE, DUAL 4-INPUT	T.I.
54LS20/BCAJC	M38510/30007BCA	1(0)	NAND GATE, DUAL 4-INPUT	MOTOROLA
54LS20/BDAJC	M38510/30007BDA	1(0)	NAND GATE, DUAL 4-INPUT	MOTOROLA
54LS21	M38510/31003BDA	1(0)	AND GATE, DUAL 4-INPUT	T.I.
54LS21	M38510/31003B2A	1(0)	AND GATE, DUAL 4-INPUT	T.I.
54LS21	M38510/31003BCA	1(0)	AND GATE, DUAL 4-INPUT	T.I.
54LS21/BCAJC	M38510/31003BCA	1(0)	AND GATE, DUAL 4-INPUT	MOTOROLA
54LS21/BDAJC	M38510/31003BDA	1(0)	AND GATE, DUAL 4-INPUT	MOTOROLA
54LS22/BCAJC	M38510/30008BCA	1(0)	NAND GATE, DUAL 4-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS221	M38510/31402B2A	1(1)	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	T.I.
54LS221	M38510/31402BEA	1(1)	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	T.I.
54LS221	M38510/31402BFA	1(1)	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	T.I.
54LS221/BEAJC	M38510/31402BEA	1(0)	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	MOTOROLA
54LS221/BEAJC	7604201EA	1(0)	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	MOTOROLA
54LS221/BFAJC	M38510/31402BFA	1(0)	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR	MOTOROLA
54LS240	7801201RA	1(.5)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS240	78012012A	1(.5)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS240	M38510/32401BRA	1(.5)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS240	M38510/32401B2A	1(.5)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS240	7801201SA	1(.5)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS240	M38510/32401BFA	1(.5)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS240/BRAJC	7801201RA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS240/BRAJC	M38510/32401BRA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS240/BSAJC	M38510/32401BSA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS240M/B2AJC	78012012A	1	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS240M/B2AJC	M38510/32401B2A	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS241	M38510/32402BFA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS241	M38510/32402B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS241	M38510/32402BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS241/BRAJC	M38510/32402BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS242	8002001DA	1(.5)	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS242	8002001CA	1(.5)	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS242	80020012A	1(.5)	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS242/BCAJC	M38510/32801BCA	1(0)	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS242/BCAJC	8002001CA	1(0)	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS242/BDAJC	8002001DA	1	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS242/BDAJC	M38510/32801BDA	1(0)	BUS TRANSCEIVER, QUAD, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS243	8002002DA	1(1)	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS243/BCAJC	8002002CA	1(0)	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS243/BCAJC	M38510/32802BCA	1(0)	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS243/BDAJC	M38510/32802BDA	1(0)	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS243M/B2AJC	80020022A	1(0)	BUS TRANSCEIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS244	M38510/32403B2A	1(.5)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS244	M38510/32403BRA	1(.5)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS244	7705701RA	1(.5)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS244	7705701SA	1(.5)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS244	M38510/32403BFA	1(.5)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS244/BRAJC	7705701RA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS244/BRAJC	M38510/32403BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS244/BSAJC	7705701SA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS244/BSAJC	M38510/32403BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS244M/B2AJC	M38510/32403B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS245	M38510/32803B2A	1(1)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS245	M38510/32803BSA	1(1)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS245	M38510/32803BRA	1(1)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS245	8002101SA	1(1)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS245	80021012A	1(1)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS245/BRAJC	M38510/32803BRA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS245/BSAJC	M38510/32803BSA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS245/BSAJC	8002101SA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS245M/B2AJC	80021012A	1(0)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS245M/B2AJC	M38510/32803B2A	1(0)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS251	7601601EA	1(<2)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
54LS251	M38510/30905B2A	1(<2)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
54LS251	M38510/30905BFA	1(<2)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
54LS251	M38510/30905BEA	1(<2)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
54LS251	7601601FA	1(<2)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
54LS251/BEAJC	7601601EA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS251/BEAJC	M38510/30905BEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS251/BFAJC	M38510/30905BFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS253	M38510/30908BFA	1(<2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
54LS253	M38510/309088EA	1(<2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
54LS253	M38510/3090882A	1(<2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
54LS253	7601701FA	1(<2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS253	7601701EA	1(<2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	T.I.
54LS253/BEAJC	M38510/30908BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS253/BEAJC	7601701EA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS253/BFAJC	M38510/30908BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS257/BEAJC	7603701EA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	MOTOROLA
54LS257A/BEAJC	M38510/30906BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	MOTOROLA
54LS257A/BFAJC	M38510/30906BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	MOTOROLA
54LS257AM/B2AJC	M38510/30906B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	MOTOROLA
54LS257B	M38510/30906BEA	3(4)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	T.I.
54LS257B	7603701EA	3(4)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	T.I.
54LS257B	7603701FA	3(4)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	T.I.
54LS257B	M38510/30906BFA	3(4)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	T.I.
54LS257B	M38510/30906B2A	3(4)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	T.I.
54LS258A/BEAJC	7603801EA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	MOTOROLA
54LS258A/BEAJC	M38510/30907BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	MOTOROLA
54LS258B	76038012A	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	T.I.
54LS258B	7603801FA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	T.I.
54LS258B	M38510/30907B2A	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	T.I.
54LS258B	M38510/30907BEA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	T.I.
54LS258B	M38510/30907BFA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	T.I.
54LS259/BEAJC	M38510/31603BEA	1(0)	LATCH, 8-BIT ADDRESSABLE	MOTOROLA
54LS259/BFAJC	M38510/31603BFA	1(0)	LATCH, 8-BIT ADDRESSABLE	MOTOROLA
54LS259B	M38510/31605B2A	1(0)	LATCH, 8-BIT ADDRESSABLE	T.I.
54LS259B	M38510/31605BEA	1(0)	LATCH, 8-BIT ADDRESSABLE	T.I.
54LS26	M38510/32102BCA	1(<2)	NAND GATE, QUAD 2-INPUT, HIGH-VOLTAGE, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS26	M38510/32102B2A	1(<2)	NAND GATE, QUAD 2-INPUT, HIGH-VOLTAGE, WITH OPEN-COLLECTOR OUTPUTS	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS26	7602001DA	1(<2)	NAND GATE, QUAD 2-INPUT, HIGH-VOLTAGE, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS26	7602001CA	1(<2)	NAND GATE, QUAD 2-INPUT, HIGH-VOLTAGE, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS26/BCAJC	M38510/32102BCA	1(0)	NAND GATE, QUAD 2-INPUT, HIGH-VOLTAGE, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS266/BCAJC	M38510/30303BCA	1(0)	EXCLUSIVE-NOR GATE, QUAD 2-INPUT	MOTOROLA
54LS27	M38510/30302BCA	1(0)	NOR GATE, TRIPLE 3-INPUT	T.I.
54LS27	M38510/30302BDA	1(0)	NOR GATE, TRIPLE 3-INPUT	T.I.
54LS27	M38510/30302B2A	1(0)	NOR GATE, TRIPLE 3-INPUT	T.I.
54LS27/BCAJC	M38510/30302BCA	1(0)	NOR GATE, TRIPLE 3-INPUT	MOTOROLA
54LS27/BDAJC	M38510/30302BDA	1(0)	NOR GATE, TRIPLE 3-INPUT	MOTOROLA
54LS273	78010012A	1(<2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
54LS273	7801001SA	1(<2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
54LS273	7801001RA	1(<2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
54LS273	M38510/32501B2A	1(<2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
54LS273	M38510/32501BRA	1(<2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
54LS273	M38510/32501BSA	1(<2)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	T.I.
54LS273/BRAJC	M38510/32501BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
54LS273/BRAJC	7801001RA	1 (0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
54LS273/BSAJC	M38510/32501BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
54LS273/BSAJC	7801001SA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
54LS273M/B2AJC	M38510/32501B2A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
54LS273M/B2AJC	78010012A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	MOTOROLA
54LS279/BEAJC	7601801EA	1(0)	LATCH, RS, 4-BIT	MOTOROLA
54LS279/BEAJC	M38510/31602BEA	1(0)	LATCH, RS, 4-BIT	MOTOROLA
54LS279A	76018012A	1(.5)	LATCH, RS, 4-BIT	T.I.
54LS279A	7601801EA	1(.5)	LATCH, RS, 4-BIT	T.I.
54LS279A	7601801FA	1(.5)	LATCH, RS, 4-BIT	T.I.
54LS279M/B2AJC	M38510/31602B2A	1(0)	LATCH, RS, 4-BIT	MOTOROLA
54LS279M/B2AJC	76018012A	1(0)	LATCH, RS, 4-BIT	MOTOROLA
54LS28	85126022A	1(0)	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.
54LS28	8512602DA	1(0)	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.
54LS28	85126022A	1(0)	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.
54LS28	8512602CA	1(0)	BUFFER/DRIVER, NOR, QUAD 2-INPUT	T.I.
54LS28/BCAJC	M38510/30204BCA	1(0)	BUFFER/DRIVER, NOR, QUAD 2-INPUT	MOTOROLA
54LS280	M38510/32901BCA	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	T.I.
54LS280	M38510/32901B2A	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	T.I.
54LS280	M38510/32901BDA	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS280/BCAJC	M38510/32901BCA	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
54LS280/BDAJC	M38510/32901BDA	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
54LS280M/BZAJC	M38510/32901B2A	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	MOTOROLA
54LS283	7604301FA	1(.5)	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
54LS283	M38510/31202BFA	1(.5)	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
54LS283	76043012A	1(.5)	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
54LS283	M38510/31202BEA	1(.5)	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
54LS283	M38510/31202B2A	1(.5)	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
54LS283	7604301EA	1(.5)	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
54LS283/BEAJC	M38510/31202BEA	1(0)	ADDER, 4-BIT FULL, WITH FAST CARRY	MOTOROLA
54LS283/BEAJC	7604301EA	1(0)	ADDER, 4-BIT FULL, WITH FAST CARRY	MOTOROLA
54LS290	M38510/32003BCA	1(0)	DECADE COUNTER, 4-BIT	T.I.
54LS290	M38510/32003B2A	1(0)	DECADE COUNTER, 4-BIT	T.I.
54LS293	M38510/32004BCA	1(1)	BINARY COUNTER, 4-BIT	T.I.
54LS293	M38510/32004B2A	1(1)	BINARY COUNTER, 4-BIT	T.I.
54LS298	7601901FA	1(.5)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	T.I.
54LS298	7601901EA	1(.5)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	T.I.
54LS298/BEAJC	7601901EA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	MOTOROLA
54LS298/BEAJC	M38510/30909BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	MOTOROLA
54LS298/BFAJC	7601901FA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	MOTOROLA
54LS298/BFAJC	M38510/30909BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE	MOTOROLA
54LS299	78024012A	1(.5)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL	T.I.
54LS299	7802401RA	1(.5)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL	T.I.
54LS299	7802401SA	1(.5)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL	T.I.
54LS30	M38510/30009BCA	3(4)	NAND GATE, 8-INPUT	T.I.
54LS30	M38510/30009BDA	3(4)	NAND GATE, 8-INPUT	T.I.
54LS30	M38510/30009B2A	3(4)	NAND GATE, 8-INPUT	T.I.
54LS30/BCAJC	M38510/30009BCA	1(0)	NAND GATE, 8-INPUT	MOTOROLA
54LS30/BDAJC	M38510/30009BDA	1(0)	NAND GATE, 8-INPUT	MOTOROLA
54LS32	M38510/30501B2A	1(0)	OR GATE, QUAD 2-INPUT	T.I.
54LS32	M38510/30501BCA	1(0)	OR GATE, QUAD 2-INPUT	T.I.
54LS32	M38510/30501BDA	1(0)	OR GATE, QUAD 2-INPUT	T.I.
54LS32/BCAJC	M38510/30501BCA	1(0)	OR GATE, QUAD 2-INPUT	MOTOROLA
54LS32/BDAJC	M38510/30501BDA	1(0)	OR GATE, QUAD 2-INPUT	MOTOROLA
54LS32M/B2AJC	M38510/30501B2A	1(0)	OR GATE, QUAD 2-INPUT	MOTOROLA
54LS33	8512601DA	1(.5)	BUFFER/DRIVER, NOR, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS33	85126012A	1(.5)	BUFFER/DRIVER, NOR, QUAD 2-INPUT, WITH	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OPEN-COLLECTOR OUTPUTS	
54LS33	8512601CA	1(.5)	BUFFER/DRIVER, NOR, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS348	M38510/36002BFA	1(<2)	PRIORITY ENCODER, 8-LINE-TO-3-LINE, TS	T.I.
54LS348	M38510/36002B2A	1(<2)	PRIORITY ENCODER, 8-LINE-TO-3-LINE, TS	T.I.
54LS365A	M38510/32201BFA	1(<2)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS365A	M38510/32201BEA	1(<2)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS365A	M38510/32201B2A	1(<2)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS365A/BEAJC	M38510/32201BEA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS365A/BFAJC	M38510/32201BFA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS366A/BEAJC	M38510/32202BEA	1(0)	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS367A	M38510/32203B2A	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS367A	M38510/32203BFA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS367A	M38510/32203BEA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS367A/BEAJC	M38510/32203BEA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS367A/BFAJC	M38510/32203BFA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	MOTOROLA
54LS368A/BEAJC	M38510/32204BEA	1(0)	BUS DRIVER, HEX	MOTOROLA
54LS37/BCAJC	M38510/30202BCA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT	MOTOROLA
54LS37/BDAJC	M38510/30202BDA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT	MOTOROLA
54LS373	M38510/32502BSA	1(.5)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS373	M38510/32502BRA	1(.5)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS373	M38510/32502B2A	1(.5)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS373/BRAJC	M38510/32502BRA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS373/BSAJC	M38510/32502BSA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS373M/B2AJC	M38510/32502B2A	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	MOTOROLA
54LS374	M38510/32503BSA	1(.5)	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
54LS374	M38510/32503BRA	1(.5)	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
54LS374	M38510/32503B2A	1(.5)	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	T.I.
54LS374/BRAJC	7801101RA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	MOTOROLA
54LS374/BRAJC	M38510/32503BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	MOTOROLA

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS374/BSAJC	M38510/32503BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	MOTOROLA
54LS374/BSAJC	7801101SA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3 STATE OUTPUTS	MOTOROLA
54LS374M/B2AJC	M38510/32503B2A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	MOTOROLA
54LS374M/B2AJC	78011012A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, POSITIVE EDGE-TRIGGERED, WITH 3-STATE OUTPUTS	MOTOROLA
54LS375/BEAJC	M38510/31604BEA	1(0)	LATCH, 4-BIT, BISTABLE	MOTOROLA
54LS375/BFAJC	M38510/31604BFA	1(0)	LATCH, 4-BIT, BISTABLE	MOTOROLA
54LS377	M38510/32504B2A	1(<2)	FLIP-FLOP, D-TYPE, 8-BIT	T.I.
54LS377	M38510/32504BRA	1(<2)	FLIP-FLOP, D-TYPE, 8-BIT	T.I.
54LS377/BRAJC	M38510/32504BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT	MOTOROLA
54LS377/BSAJC	M38510/32504BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT	MOTOROLA
54LS378	5962-8992501FA	1(.5)	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE	T.I.
54LS378	5962-89925012A	1(.5)	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE	T.I.
54LS378	5962-8992501EA	1(.5)	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE	T.I.
54LS38	M38510/30203B2A	1(.5)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS38	M38510/30203BDA	1(.5)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS38	M38510/30203BCA	1(.5)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS38/BCAJC	M38510/30203BCA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS38/BDAJC	M38510/30203BDA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS38M/B2AJC	M38510/30203B2A	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS390	7802601FA	1(.5)	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	T.I.
54LS390	M38510/32701B2A	1(.5)	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	T.I.
54LS390	M38510/32701BEA	1(.5)	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	T.I.
54LS390	7802601EA	1(.5)	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	T.I.
54LS390/BEAJC	7802601EA	1(0)	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	MOTOROLA
54LS393	M38510/32702BCA	1(0)	BINARY COUNTER, DUAL 4-BIT	T.I.
54LS393	M38510/32702BDA	1(0)	BINARY COUNTER, DUAL 4-BIT	T.I.
54LS393	M38510/32702B2A	1(0)	BINARY COUNTER, DUAL 4-BIT	T.I.
54LS393/BCAJC	M38510/32702BCA	1(0)	BINARY COUNTER, DUAL 4-BIT	MOTOROLA
54LS393/BDAJC	M38510/32702BDA	1(0)	BINARY COUNTER, DUAL 4-BIT	MOTOROLA
54LS393M/B2AJC	M38510/32702B2A	1(0)	BINARY COUNTER, DUAL 4-BIT	MOTOROLA
54LS395A	M38510/30607B2A	1(<2)	SHIFT REGISTER, 4-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	T.I.
54LS395A	M38510/30607BEA	1(<2)	SHIFT REGISTER, 4-BIT UNIVERSAL, WITH 3-STATE	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
54LS396	5962-9050301EA	1(.5)	STORAGE REGISTER, OCTAL, LOW-POWER	T.I.
54LS396	5962-90503012A	1(.5)	STORAGE REGISTER, OCTAL, LOW-POWER	T.I.
54LS399	84154012A	1(.5)	REGISTER, QUAD 2-PORT	T.I.
54LS399	8415401FA	1(.5)	REGISTER, QUAD 2-PORT	T.I.
54LS399	8415401EA	1(.5)	REGISTER, QUAD 2-PORT	T.I.
54LS40/BCAJC	M38510/30201BCA	1(0)	BUFFER/DRIVER, NAND, DUAL 4-INPUT	MOTOROLA
54LS40/BDAJC	M38510/30201BDA	1(0)	BUFFER/DRIVER, NAND, DUAL 4-INPUT	MOTOROLA
54LS42	76031012A	1(1)	DECODER, BCD-TO-DECIMAL	T.I.
54LS42	7603101FA	1(1)	DECODER, BCD-TO-DECIMAL	T.I.
54LS42	7603101EA	1(1)	DECODER, BCD-TO-DECIMAL	T.I.
54LS42A/BEAJC	7603101EA	1(0)	DECODER, BCD-TO-DECIMAL	MOTOROLA
54LS42A/BEAJC	M38510/30703BEA	1(0)	DECODER, BCD-TO-DECIMAL	MOTOROLA
54LS42A/BFAJC	M38510/30703BFA	1(0)	DECODER, BCD-TO-DECIMAL	MOTOROLA
54LS47	7604501EA	1(<2)	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS47	7604501FA	1(<2)	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54LS47/BEAJC	7604501EA	1(0)	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS47/BEAJC	M38510/30704BEA	1(0)	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS	MOTOROLA
54LS51	M38510/30401BCA	1(0)	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
54LS51	M38510/30401BDA	1(0)	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
54LS51	M38510/30401B2A	1(0)	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
54LS51/BCAJC	M38510/30401BCA	1(0)	AND-OR-INVERT GATE, DUAL 2-WIDE	MOTOROLA
54LS51/BDAJC	M38510/30401BDA	1(0)	AND-OR-INVERT GATE, DUAL 2-WIDE	MOTOROLA
54LS540	84155012A	1(<2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS540	M38510/32404B2A	1(<2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS540	8415501SA	1(<2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS540	M38510/32404BRA	1(<2)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS541	M38510/32405B2A	1(<2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS541	M38510/32405BRA	1(<2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS541	84156012A	1(<2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS541	8415601SA	1(<2)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	T.I.
54LS590	5962-8751701FA	1(<.5)	BINARY COUNTER, 8-BIT, WITH 3-STATE OUTPUT	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			REGISTERS	
54LS590	5962-8751701EA	1(<.5)	BINARY COUNTER, 8-BIT, WITH 3-STATE OUTPUT REGISTERS	T.I.
54LS590	5962-87517012A	1(<.5)	BINARY COUNTER, 8-BIT, WITH 3-STATE OUTPUT REGISTERS	T.I.
54LS592	5962-8762101FA	1(.5)	BINARY COUNTER, 8-BIT, WITH INPUT REGISTERS	T.I.
54LS592	5962-87621012A	1(.5)	BINARY COUNTER, 8-BIT, WITH INPUT REGISTERS	T.I.
54LS592	5962-8762101EA	1(.5)	BINARY COUNTER, 8-BIT, WITH INPUT REGISTERS	T.I.
54LS595	5962-86717012A	1(.5)	SHIFT REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS595	5962-8671701FA	1(.5)	SHIFT REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS595	5962-8671701EA	1(.5)	SHIFT REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS598	5962-8975601RA	1(0)	SHIFT REGISTER, 8-BIT, WITH INPUT LATCHES	T.I.
54LS598	5962-8975601SA	1(0)	SHIFT REGISTER, 8-BIT, WITH INPUT LATCHES	T.I.
54LS598	5962-89756012A	1(0)	SHIFT REGISTER, 8-BIT, WITH INPUT LATCHES	T.I.
54LS628	5962-9204601MCA	1(0)	VOLT. CONTROLLED OSCILLATOR	T.I.
54LS628	5962-9204601M2A	1(0)	VOLT. CONTROLLED OSCILLATOR	T.I.
54LS629	8102101EA	1(<.5)	OSCILLATOR, VOLTAGE-CONTROLLED, DUAL	T.I.
54LS629	8102101FA	1(<.5)	OSCILLATOR, VOLTAGE-CONTROLLED, DUAL	T.I.
54LS629	81021012A	1(<.5)	OSCILLATOR, VOLTAGE-CONTROLLED, DUAL	T.I.
54LS640	8416101SA	1(1)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS640	84161012A	1(1)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS640	8416101RA	1(1)	BUS TRANSCEIVER, 8-BIT, WITH 3-STATE OUTPUTS	T.I.
54LS670	7704201FA	1(1)	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	T.I.
54LS670	7704201EA	1(1)	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	T.I.
54LS670/BEAJC	M38510/31901BEA	1(0)	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	MOTOROLA
54LS670/BEAJC	7704201EA	1(0)	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	MOTOROLA
54LS670/BFAJC	7704201FA	1(0)	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	MOTOROLA
54LS670/BFAJC	M38510/31901BFA	1(0)	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	MOTOROLA
54LS670M/B2AJC	M38510/31901B2A	1(0)	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	MOTOROLA
54LS673	5962-8860201JA	3(4)	SHIFT REGISTER, 16-BIT, SERIAL-IN SERIAL-OUT WITH 16-BIT PARALLEL-OUT STORAGE	T.I.
54LS673	5962-88602013A	3(4)	SHIFT REGISTER, 16-BIT, SERIAL-IN SERIAL-OUT WITH 16-BIT PARALLEL-OUT STORAGE	T.I.
54LS673	5962-8860201KA	3(4)	SHIFT REGISTER, 16-BIT, SERIAL-IN SERIAL-OUT WITH 16-BIT PARALLEL-OUT STORAGE	T.I.
54LS673	5962-8860201LA	3(4)	SHIFT REGISTER, 16-BIT, SERIAL-IN SERIAL-OUT WITH 16-BIT PARALLEL-OUT STORAGE	T.I.
54LS674	5962-88607013A	1(1)	SHIFT REGISTER, 16-BIT PAR. TO SER.	T.I.
54LS674	5962-8860701KA	1(1)	SHIFT REGISTER, 16-BIT PAR. TO SER.	T.I.
54LS674	5962-8860701LA	1(1)	SHIFT REGISTER, 16-BIT PAR. TO SER.	T.I.
54LS674	5962-8860701JA	1(1)	SHIFT REGISTER, 16-BIT PAR. TO SER.	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS682	8415101SA	1(.5)	MAGNITUDE COMPARATOR, 8-BIT	T.I.
54LS682	84151012A	1(.5)	MAGNITUDE COMPARATOR, 8-BIT	T.I.
54LS682	8415101RA	1(.5)	MAGNITUDE COMPARATOR, 8-BIT	T.I.
54LS684	8415201SA	1(.5)	MAGNITUDE COMPARATOR, 8-BIT	T.I.
54LS684	8415201RA	1(.5)	MAGNITUDE COMPARATOR, 8-BIT	T.I.
54LS684	84152012A	1(.5)	MAGNITUDE COMPARATOR, 8-BIT	T.I.
54LS688	84153012A	1(.5)	MAGNITUDE COMPARATOR, 8-BIT, WITH OUTPUT ENABLE	T.I.
54LS688	8415301SA	1(.5)	MAGNITUDE COMPARATOR, 8-BIT, WITH OUTPUT ENABLE	T.I.
54LS688	8415301RA	1(.5)	MAGNITUDE COMPARATOR, 8-BIT, WITH OUTPUT ENABLE	T.I.
54LS73A/BCAJC	M38510/30101BCA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54LS73A/BDAJC	M38510/30101BDA	1(0)	FLIP-FLOP, JK, DUAL	MOTOROLA
54LS74A	M38510/30102BDA	3(4)	FLIP-FLOP, D-TYPE, DUAL	T.I.
54LS74A	M38510/30102BCA	3(4)	FLIP-FLOP, D-TYPE, DUAL	T.I.
54LS74A	M38510/30102B2A	3(4)	FLIP-FLOP, D-TYPE, DUAL	T.I.
54LS74A/BCAJC	M38510/30102BCA	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
54LS74A/BDAJC	M38510/30102BDA	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
54LS74AM/B2AJC	M38510/30102B2A	1(0)	FLIP-FLOP, D-TYPE, DUAL	MOTOROLA
54LS75	7601201EA	1(1)	LATCH, 4-BIT, BISTABLE	T.I.
54LS75	M38510/31601BFA	1(1)	LATCH, 4-BIT, BISTABLE	T.I.
54LS75	7601201FA	1(1)	LATCH, 4-BIT, BISTABLE	T.I.
54LS75	M38510/31601BEA	1(1)	LATCH, 4-BIT, BISTABLE	T.I.
54LS75/BEAJC	M38510/31601BEA	1(0)	LATCH, 4-BIT, BISTABLE	MOTOROLA
54LS75/BEAJC	7601201EA	1(0)	LATCH, 4-BIT, BISTABLE	MOTOROLA
54LS75/BFAJC	M38510/31601BFA	1(0)	LATCH, 4-BIT, BISTABLE	MOTOROLA
54LS75/BFAJC	7601201FA	1(0)	LATCH, 4-BIT, BISTABLE	MOTOROLA
54LS76A	M38510/30110BEA	1(<2)	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	T.I.
54LS76A	7601301EA	1(<2)	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	T.I.
54LS76A	7601301FA	1(<2)	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	T.I.
54LS76A	M38510/30110BFA	1(<2)	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	T.I.
54LS76A	76013012A	1(<2)	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	T.I.
54LS76A/BEAJC	M38510/30110BEA	1(0)	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	MOTOROLA
54LS76A/BFAJC	M38510/30110BFA	1(0)	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED	MOTOROLA
54LS83A	7601401FA	1(.5)	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
54LS83A	7601401EA	1(.5)	ADDER, 4-BIT FULL, WITH FAST CARRY	T.I.
54LS85	M38510/31101BFA	1(0)	MAGNITUDE COMPARATOR, 4-BIT	T.I.
54LS85	M38510/31101BEA	1(0)	MAGNITUDE COMPARATOR, 4-BIT	T.I.
54LS85	M38510/31101B2A	1(0)	MAGNITUDE COMPARATOR, 4-BIT	T.I.

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54LS85/BEAJC	M38510/31101BEA	1(0)	MAGNITUDE COMPARATOR, 4-BIT	MOTOROLA
54LS85/BFAJC	M38510/31101BFA	1(0)	MAGNITUDE COMPARATOR, 4-BIT	MOTOROLA
54LS85M/B2AJC	M38510/31101B2A	1(0)	MAGNITUDE COMPARATOR, 4-BIT	MOTOROLA
54LS86/BCAJC	M38510/30502BCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
54LS86/BDAJC	M38510/30502BDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
54LS86A	M38510/30502BDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
54LS86A	M38510/30502BCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
54LS86A	M38510/30502B2A	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
54LS86M/B2AJC	M38510/30502B2A	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	MOTOROLA
54LS90	7603201CA	1(<2)	DECADE COUNTER, 4-BIT	T.I.
54LS90	7603201DA	1(<2)	DECADE COUNTER, 4-BIT	T.I.
54LS90	M38510/31501BCA	1(<2)	DECADE COUNTER, 4-BIT	T.I.
54LS92	M38510/31510BCA	1(<2)	COUNTER, DIVIDE-BY-12	T.I.
54LS93	M38510/31502BCA	1(<2)	DECADE COUNTER, 4-BIT	T.I.
54LS93	7700101DA	1(<2)	DECADE COUNTER, 4-BIT	T.I.
54LS93	7700101CA	1(<2)	DECADE COUNTER, 4-BIT	T.I.
54LS95B	M38510/30603BCA	1(<2)	SHIFT REGISTER, 4-BIT PARALLEL ACCESS	T.I.
54LS96	M38510/30604BEA	1(<2)	SHIFT REGISTER, 5-BIT	T.I.
54S00	M38510/07001BDA	1(1)	NAND GATE, QUAD 2-INPUT	T.I.
54S00	M38510/07001BCA	1(1)	NAND GATE, QUAD 2-INPUT	T.I.
54S02	M38510/07301BCA	1(<2)	NOR GATE, QUAD 2-INPUT	T.I.
54S03	M38510/07002BCA	1(1)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54S04	M38510/07003BCA	1(1)	HEX INVERTER	T.I.
54S04	M38510/07003BDA	1(1)	HEX INVERTER	T.I.
54S05	M38510/07004BCA	1(0)	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54S08	M38510/08003BCA	1(0)	AND GATE, QUAD 2-INPUT	T.I.
54S08	M38510/08003BDA	1(0)	AND GATE, QUAD 2-INPUT	T.I.
54S10	M38510/07005BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	T.I.
54S10	M38510/07005BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	T.I.
54S11	M38510/08001BDA	1(<2)	AND GATE, TRIPLE 3-INPUT	T.I.
54S11	M38510/08001BCA	1(<2)	AND GATE, TRIPLE 3-INPUT	T.I.
54S112	M38510/07102BEA	1(0)	FLIP-FLOP, JK, DUAL	T.I.
54S112	M38510/07102BFA	1(0)	FLIP-FLOP, JK, DUAL	T.I.
54S133	M38510/07009BFA	1(1)	NAND GATE, 13-INPUT	T.I.
54S133	M38510/07009BEA	1(1)	NAND GATE, 13-INPUT	T.I.
54S138	M38510/07701BFA	1(<2)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
54S138	7604101EA	1(<2)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54S138	M38510/07701BEA	1(<2)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
54S138	76041012A	1(<2)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
54S138	7604101FA	1(<2)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	T.I.
54S139	7700401FA	1(1)	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE	T.I.
54S139	7700401EA	1(1)	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE	T.I.
54S140	M38510/08101BDA	1(1)	LINE DRIVER, DUAL 4-INPUT NAND	T.I.
54S140	M38510/08101BCA	1(1)	LINE DRIVER, DUAL 4-INPUT NAND	T.I.
54S151	M38510/07901BEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
54S151	M38510/07901BFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	T.I.
54S153	M38510/07902BEA	1(1)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54S153	M38510/07902BFA	1(1)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	T.I.
54S157	M38510/07903BEA	1(1)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54S157	M38510/07903BFA	1(1)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54S158	M38510/07904BFA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54S158	M38510/07904BEA	2(2)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	T.I.
54S174	M38510/07105BFA	1(1)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54S174	M38510/07105BEA	1(1)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54S175	M38510/07106BEA	1(1)	FLIP-FLOP, D-TYPE, 4-BIT	T.I.
54S181	M38510/07801BJA	1(0)	ALU/FUNCTION GENERATOR, 4-BIT	T.I.
54S182	M38510/07802BEA	2(2)	LOOK AHEAD CARRY GENERATOR	T.I.
54S194	M38510/07601BEA	1(<.5)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
54S194	7604001EA	1(<.5)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
54S194	7604001FA	1(<.5)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	T.I.
54S20	M38510/07006BDA	1(0)	NAND GATE, DUAL 4-INPUT	T.I.
54S20	M38510/07006BCA	1(0)	NAND GATE, DUAL 4-INPUT	T.I.
54S22	M38510/07007BCA	1(0)	NAND GATE, DUAL 4-INPUT, WITH OPEN-COLLECTOR OUTPUTS	T.I.
54S251	80022012A	1(<.5)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
54S251	8002201EA	1(<.5)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
54S251	M38510/07905BEA	1(<.5)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
54S251	8002201FA	1(<.5)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	T.I.
54S257	M38510/07906BEA	1(1)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	T.I.
54S258	8002301FA	1(.5)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTING 3-STATE OUTPUTS	T.I.
54S258	8002301EA	1(.5)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTING 3-STATE OUTPUTS	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
54S40	M38510/07201BCA	1(0)	BUFFER/DRIVER, NAND, DUAL 4-INPUT	T.I.
54S51	M38510/07401BCA	1(1)	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
54S51	M38510/07401BDA	1(1)	AND-OR-INVERT GATE, DUAL 2-WIDE	T.I.
54S64	M38510/07402BCA	1(1)	AND-OR-INVERT GATE, QUAD 4-2-3-2-INPUT	T.I.
54S64	M38510/07402BDA	1(1)	AND-OR-INVERT GATE, QUAD 4-2-3-2-INPUT	T.I.
54S74	M38510/07101BDA	1(1)	FLIP-FLOP, D-TYPE, DUAL	T.I.
54S74	M38510/07101BCA	1(1)	FLIP-FLOP, D-TYPE, DUAL	T.I.
54S85	M38510/08201BEA	1(1)	MAGNITUDE COMPARATOR, 4-BIT	T.I.
54S85	M38510/08201BFA	1(1)	MAGNITUDE COMPARATOR, 4-BIT	T.I.
54S86	M38510/07501BDA	1(<2)	EXCLUSIVE-OR GATE. QUAD 2-INPUT	T.I.
54S86	M38510/07501BCA	1(<2)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	T.I.
55107/BCAJC	M38510/10401BCA	1(0)	LINE RECEIVER, DUAL	MOTOROLA
55107A	M38510/10401BCA	1(.5)	LINE RECEIVER, DUAL	T.I.
55107A	M38510/10401BDA	1(.5)	LINE RECEIVER, DUAL	T.I.
55108A	M38510/10402BCA	1(.5)	LINE RECEIVER, DUAL OC	T.I.
55109A	5962-87547022A	1( )	LINE DRIVER, DUAL	T.I.
55109A	5962-8754702DA	1( )	LINE DRIVER, DUAL	T.I.
55109A	5962-8754702CA	1( )	LINE DRIVER, DUAL	T.I.
55110A	5962-87547012A	3(4)	LINE DRIVER, DUAL	T.I.
55110A	5962-8754701DA	3(4)	LINE DRIVER, DUAL	T.I.
55110A	5962-8754701CA	3(4)	LINE DRIVER, DUAL	T.I.
55113	M38510/10405BEA	3(4)	LINE DRIVER, DUAL DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
55113	5962-88744012A	3(4)	LINE DRIVER, DUAL DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
55114	5962-88744022A	2(2)	LINE DRIVER, DUAL DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
55114	M38510/10403BEA	2(2)	LINE DRIVER, DUAL DIFFERENTIAL	T.I.
55114	M38510/10403BFA	2(2)	LINE DRIVER, DUAL DIFFERENTIAL	T.I.
55115	M38510/10404BEA	1(1)	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
55115	5962-88745012A	1(1)	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
55116	5962-88511012A	1(.5)	LINE TRANSCEIVER, DIFFERENTIAL, WITH 3-STATE RECEIVER OUTPUT CIRCUITRY	T.I.
55116	5962-8851101EA	1(.5)	LINE TRANSCEIVER, DIFFERENTIAL, WITH 3-STATE RECEIVER OUTPUT CIRCUITRY	T.I.
55121	5962-8776901EA	2(2)	LINE DRIVER, DUAL	T.I.
55121	5962-87769012A	2(2)	LINE DRIVER. DUAL	T.I.
55182	7900801CA	1(.5)	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
55182	79008012A	1(.5)	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
55182	7900801DA	1(.5)	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
55183	7900901CA	2(2)	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
55183	79009012A	2(2)	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
55183	7900901DA	2(2)	LINE RECEIVER, DUAL DIFFERENTIAL	T.I.
55188	5962-8688901DA	1(1)	LINE DRIVER, QUAD	T.I.
55188	5962-86889012A	1(1)	LINE DRIVER, QUAD	T.I.
55188	5962-8688901CA	1(1)	LINE DRIVER, QUAD	T.I.
55189A	5962-86888022A	1(1)	LINE RECEIVER, QUAD	T.I.
55189A	5962-8688802DA	1(1)	LINE RECEIVER, QUAD	T.I.
55189A	5962-8688802CA	1(1)	LINE RECEIVER, QUAD	T.I.
55325FJAN	M38510/13001BFA	2	MEMORY CORE DRIVER, DUAL	LINFINITY
55325JJAN	M38510/13001BEA	2	MEMORY CORE DRIVER, DUAL	LINFINITY
55326JJAN	M38510/13002BEA	2	MEMORY CORE DRIVER, QUAD	LINFINITY
55451	M38510/12902BPA	2(2)	PERIPHERAL DRIVER, DUAL AND	T.I.
55451B	7704902PA	2(2)	PERIPHERAL DRIVER, DUAL AND	T.I.
55451B	77049022A	2(2)	PERIPHERAL DRIVER, DUAL AND	T.I.
55451BL	77049022A	1	PERIPHERAL DRIVER, DUAL AND	LINFINITY
55452	M38510/12903BPA	3(4)	PERIPHERAL DRIVER, DUAL NAND	T.I.
55452B	77049012A	3(4)	PERIPHERAL DRIVER, DUAL NAND	T.I.
55452B	7704901PA	3(4)	PERIPHERAL DRIVER, DUAL NAND	T.I.
55452BL	77049012A	1	PERIPHERAL DRIVER, DUAL NAND	LINFINITY
55452BY	7704901PA	1	PERIPHERAL DRIVER, DUAL NAND	LINFINITY
55452BYJAN	M38510/12903BPA	1	PERIPHERAL DRIVER, DUAL NAND	LINFINITY
55454	M38510/12905BPA	1(1)	PERIPHERAL DRIVER, DUAL NOR	T.I.
55454BL	5962-88715012A	1	PERIPHERAL DRIVER, DUAL NOR	LINFINITY
55462	M38510/12908BPA	2(2)	PERIPHERAL DRIVER, DUAL NAND	T.I.
55463	M38510/12909BPA	2(2)	PERIPHERAL DRIVER, DUAL OR	T.I.
55464L	5962-88715022A	2	PERIPHERAL DRIVER, DUAL NOR	LINFINITY
55474L	5962-88715032A	2	PERIPHERAL DRIVER, DUAL NOR	LINFINITY
55474Y	5962-8871503PA	2	PERIPHERAL DRIVER, DUAL NOR	LINFINITY
55ALS056	5962-9062801SA	1(0)	BUS TRANSCEIVER, INTERFACE, TRAPEZOIDAL-WAVEFORM	T.I.
55ALS056	5962-9062801RA	1(0)	BUS TRANSCEIVER, INTERFACE, TRAPEZOIDAL-WAVEFORM	T.I.
55ALS057	5962-9062901RA	1(0)	BUS TRANSCEIVER, INTERFACE, TRAPEZOIDAL-WAVEFORM	T.I.
55ALS057	5962-90629012A	1(0)	BUS TRANSCEIVER, INTERFACE, TRAPEZOIDAL-WAVEFORM	T.I.
55ALS057	5962-9062901SA	1(0)	BUS TRANSCEIVER, INTERFACE, TRAPEZOIDAL-WAVEFORM	T.I.
55ALS160	5962-8968001RA	2(2)	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.
55ALS160	5962-89680012A	2(2)	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.
55ALS160	5962-8968001SA	2(2)	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
55ALS161	5962-8968101RA	2(2)	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.
55ALS161	5962-8968101SA	2(2)	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.
55ALS161	5962-89681012A	2(2)	BUS TRANSCEIVER, 8-BIT, GENERAL PURPOSE INTERFACE	T.I.
55ALS194	5962-8864801EA	2(2)	LINE DRIVER, QUAD DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
55ALS194	5962-88648012A	2(2)	LINE DRIVER, QUAD DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
55ALS195	5962-8864901EA	1(.5)	LINE RECEIVER, QUAD DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
55ALS195	5962-88649012A	1(.5)	LINE RECEIVER, QUAD DIFFERENTIAL, WITH 3-STATE OUTPUTS	T.I.
56001-20/BYCJC	5962-8951201YC	2	DIGITAL SIGNAL PROCESSOR, 56-BIT GENERAL PURPOSE	MOTOROLA
56001-20/BZAJC	5962-8951201XA	2	DIGITAL SIGNAL PROCESSOR, 56-BIT GENERAL PURPOSE	MOTOROLA
6206C-100/BXAJC	5962-8866201XA	1(0)	STATIC RAM, 32K X 8, 100 NS ACCESS TIME	MOTOROLA
6206C-35/BYAJC	5962-8866205TA	2	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 35 NS ACCESS TIME	MOTOROLA
6206C-45/BUAJC	5962-8866204YA	1(0)	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 45 NS ACCESS TIME	MOTOROLA
6206C-45/BXAJC	5962-8866204XA	1(0)	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 45 NS ACCESS TIME	MOTOROLA
6206C-55/BXAJC	5962-8866203XA	1(0)	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 55 NS ACCESS TIME	MOTOROLA
6206C-70/BXAJC	5962-8866202XA	1(0)	STATIC RAM, 32K X 8, 70 NS ACCESS TIME	MOTOROLA
6264C-35/BXAJC	5962-3829413MXA	1(0)	STATIC RAM, 8K X 8, 35 NS ACCESS TIME	MOTOROLA
6264C-45/BXAJC	5962-3829411MXA	1(0)	STATIC RAM, 8K X 8, 45 NS ACCESS TIME	MOTOROLA
6264C-55/BXAJC	5962-3829409MXA	1(0)	STATIC RAM, 8K X 8, 55 NS ACCESS TIME	MOTOROLA
6264C-55/BYAJC	5962-3829409MYA	1(0)	STATIC RAM, 8K X 8, 55 NS ACCESS TIME	MOTOROLA
6264C-70/BXAJC	5962-3829407MXA	1(0)	STATIC RAM, 8K X 8, 70 NS ACCESS TIME	MOTOROLA
6264C-70/BYAJC	5962-3829407MYA	1(0)	STATIC RAM, 8K X 8, 70 NS ACCESS TIME	MOTOROLA
6268-35/BRAJC	5962-8670503RA	1	STATIC RAM, 4K X 4, 35 NS ACCESS TIME	MOTOROLA
6268-35/BYAJC	5962-8670503YA	1	STATIC RAM, 4K X 4, 35 NS ACCESS TIME	MOTOROLA
6268-45/BRAJC	5962-8670505RA	1	STATIC RAM, 4K X 4, 45 NS ACCESS TIME	MOTOROLA
6268-45/BUAJC	5962-8670505XA	1	STATIC RAM, 4K X 4, 45 NS ACCESS TIME	MOTOROLA
6268-45/BYAJC	5962-8670505YA	1	STATIC RAM, 4K X 4, 45 NS ACCESS TIME	MOTOROLA
6268-55/BRAJC	5962-8670507RA	1	STATIC RAM, 4K X 4, 55 NS ACCESS TIME	MOTOROLA
6268-55/BUAJC	5962-8670507XA	1	STATIC RAM, 4K X 4, 55 NS ACCESS TIME	MOTOROLA
6268-70/BRAJC	5962-8670509RA	1	STATIC RAM, 4K X 4, 70 NS ACCESS TIME	MOTOROLA
6287-35/BXAJC	5962-8601501XA	1	STATIC RAM, 64K X 1, WITH 3-STATE OUTPUTS, 35 NS ACCESS TIME	MOTOROLA
62L87-35/BUAJC	5962-8601502ZA	2	STATIC RAM, 64K X 1, WITH 3-STATE OUTPUTS, 35 NS ACCESS TIME	MOTOROLA
62L87-35/BXAJC	5962-8601502XA	1(0)	STATIC RAM, 64K X 1, WITH 3-STATE OUTPUTS, 35 NS ACCESS TIME	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
62L87-45/BUAJC	5962-8601504ZA	2	STATIC RAM, 64K X 1, WITH 3-STATE OUTPUTS, 45 NS ACCESS TIME	MOTOROLA
62L87-45/BXAJC	5962-8601504XA	1	STATIC RAM, 64K X 1, WITH 3-STATE OUTPUTS, 45 NS ACCESS TIME	MOTOROLA
68000-10/BUAJC	8202103ZA	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-10/BXAJC	8202103YA	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-10/BYCJC	8202103UC	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-10/BZAJC	8202103TA	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-10T/BUAJC	8202103XA	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-12/BXAJC	8202104YA	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-12/BZAJC	8202104TA	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-12BUAJC	8202104ZA	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-12T/BUAJC	8202104XA	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-8/BUAJC	8202102ZA	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-8/BXAJC	8202102YA	1(0)	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-8/BYCJC	8202102UC	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-8/BZAJC	8202102TA	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68000-8T/BUAJC	8202102XA	1	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION	MOTOROLA
68020-16/BYCJC	5962-8603202YC	1	MICROPROCESSOR, 32-BIT	MOTOROLA
68020-16/BZAJC	5962-8603202XA	1	MICROPROCESSOR, 32-BIT	MOTOROLA
68020-20/BYCJC	5962-8603203YC	1	MICROPROCESSOR, 32-BIT	MOTOROLA
68020-20/BZAJC	5962-8603203XA	1	MICROPROCESSOR, 32-BIT	MOTOROLA
68030-16/BYCJC	5962-8946401YC	2	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
68030-16/BZAJC	5962-8946401XA	2	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
68030-20/BYCJC	5962-8946402YC	2	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
68030-20/BZAJC	5962-8946402XA	2	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
68030-25/BYCJC	5962-8946403YC	2	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
68030-25/BZAJC	5962-8946403XA	2	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
68030-33/BYCJC	5962-8946404YC	2	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
68030-33/BZAJC	5962-8946404XA	2	MICROPROCESSOR, 32-BIT ENHANCED	MOTOROLA
68882-16/BYCJC	5962-8946301YC	1	COPROCESSOR, FLOATING-POINT, 16 MHZ	MOTOROLA
68882-16/BZAJC	5962-8946301XA	1(0)	COPROCESSOR, FLOATING-POINT, 16 MHZ	MOTOROLA
68882-20/BYCJC	5962-8946302YC	1(0)	COPROCESSOR, FLOATING-POINT, 20 MHZ	MOTOROLA
68882-20/BZAJC	5962-8946302XA	1(0)	COPROCESSOR, FLOATING-POINT, 20 MHZ	MOTOROLA
68882-25/BYCJC	5962-8946303YC	1(0)	COPROCESSOR, FLOATING-POINT, 25 MHZ	MOTOROLA
68882-25/BZAJC	5962-8946303XA	1(0)	COPROCESSOR, FLOATING-POINT, 25 MHZ	MOTOROLA
68882-33/BYCJC	5962-8946304YC	1(0)	COPROCESSOR, FLOATING-POINT, 33 MHZ	MOTOROLA
68882-33/BZAJC	5962-8946304XA	1(0)	COPROCESSOR, FLOATING-POINT, 33 MHZ	MOTOROLA

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
68HC000-10/BXAJC	5962-8946202MYA	2	MICROPROCESSOR, 16-BIT, 10 MHZ	MOTOROLA
68HC000-10/BYCJC	5962-8946202MZC	2	MICROPROCESSOR, 16-BIT, 10 MHZ	MOTOROLA
68HC000-10/BZAJC	5962-8946202MUA	2	MICROPROCESSOR, 16-BIT, 10 MHZ	MOTOROLA
68HC000-12/BXAJC	5962-8946203MYA	2	MICROPROCESSOR, 16-BIT, 12.5 MHZ	MOTOROLA
68HC000-12/BYCJC	5962-8946203MZC	2	MICROPROCESSOR, 16-BIT, 12.5 MHZ	MOTOROLA
68HC000-12/BZAJC	5962-8946203MUA	2	MICROPROCESSOR, 16-BIT, 12.5 MHZ	MOTOROLA
68HC000-8/BXAJC	5962-8946201MYA	2	MICROPROCESSOR, 16-BIT, 8 MHZ	MOTOROLA
68HC000-8/BYCJC	5962-8946201MZC	2	MICROPROCESSOR, 16-BIT, 8 MHZ	MOTOROLA
68HC000-8/BZAJC	5962-8946201MUA	2	MICROPROCESSOR, 16-BIT, 8 MHZ	MOTOROLA
68HC001-10/BZAJC	5962-8946205MUA	2	MICROPROCESSOR, 8/16-BIT, 10 MHZ	MOTOROLA
68HC001-12/BZAJC	5962-8946206MUA	2	MICROPROCESSOR, 8/16-BIT, 12.5 MHZ	MOTOROLA
68HC001-8/BZAJC	5962-8946204MUA	2	MICROPROCESSOR, 8/16-BIT, 8 MHZ	MOTOROLA
68HC11A0/BXAJC	5962-9051001XA	1(0)	MICROCONTROLLER, 8-BIT, ROM AND EEPROM DISABLED, 256 BYTES RAM	MOTOROLA
68HC11A0/BYCJC	5962-9051001YC	1(0)	MICROCONTROLLER, 8-BIT, ROM AND EEPROM DISABLED, 256 BYTES RAM	MOTOROLA
68HC11A1/BXAJC	5962-9051002XA	1(0)	MICROCONTROLLER, 8-BIT, ROM DISABLED, 256 BYTES RAM, 512 BYTES EEPROM	MOTOROLA
68HC11A1/BYCJC	5962-9051002YC	1(0)	MICROCONTROLLER, 8-BIT, ROM DISABLED, 256 BYTES RAM, 512 BYTES EEPROM	MOTOROLA
68HC811E2/BXAJC	5962-8952701XA	1	MICROCONTROLLER, 8-BIT, EEPROM 2K BYTES, RAM 256 BYTES	MOTOROLA
68HC811E2/BYCJC	5962-8952701YC	1	MICROCONTROLLER, 8-BIT, EEPROM 2K BYTES, RAM 256 BYTES	MOTOROLA
723FJAN	M38510/10201BHA	1	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
723JJAN	M38510/10201BCA	1	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
723TJAN	M38510/10201BIA	1	VOLT. REGULATOR, ADJ., POSITIVE	LINFINITY
7705201EA	7705201EA	1	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	SILICONIX
7705201FA	7705201FA	1	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	SILICONIX
77053012A	77053012A	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
7705301EA	7705301EA	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
7705301FA	7705301FA	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
7801401CA	7801401CA	1	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
7801401XA	7801401XA	1		SILICONIX
7805AIG	5962-8778201UA	1	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
7805AK	5962-8778201YA	1	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
7805AL	5962-87782012A	1	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
7805AR	5962-8778201ZA	1	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
7805AT	5962-8778201XA	1	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
7805KJAN	M38510/10706BYA	1	VOLT. REGULATOR, FIXED, POSITIVE	LINFINITY

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
7805TJAN	M38510/10702BXA	1	VOLT. REGULATOR, FIXED, POSITIVE	LINFINITY
7806AK	5962-8962601YA	1	VOLT. REGULATOR, FIXED, POSITIVE, 6V, 1.0A	LINFINITY
7806AR	5962-8962601ZA	1	VOLT. REGULATOR, FIXED, POSITIVE, 6V, 1.0A	LINFINITY
7806AT	5962-8962601XA	1	VOLT. REGULATOR, FIXED, POSITIVE, 6V, 1.0A	LINFINITY
7808AK	5962-8962801YA	1	VOLT. REGULATOR, FIXED, POSITIVE, 8V, 1.0A	LINFINITY
7808AR	5962-8962801ZA	1	VOLT. REGULATOR, FIXED, POSITIVE, 8V, 1.0A	LINFINITY
7808AT	5962-8962801XA	1	VOLT. REGULATOR, FIXED, POSITIVE, 8V, 1.0A	LINFINITY
7812AIG	5962-8777601UA	1	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
7812AK	5962-8777601YA	1	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
7812AL	5962-87776012A	1	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
7812AR	5962-8777601ZA	1	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
7812AT	5962-8777601XA	1	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A	LINFINITY
7812KJAN	M38510/10707BYA	1	VOLT. REGULATOR, FIXED, POSITIVE	LINFINITY
7812TJAN	M38510/10703BXA	1	VOLT. REGULATOR, FIXED, POSITIVE	LINFINITY
7815AIG	5962-8855301UA	1	VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A	LINFINITY
7815AK	5962-8855301YA	1	VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A	LINFINITY
7815AL	5962-88553012A	1	VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A	LINFINITY
7815AR	5962-8855301ZA	1	VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A	LINFINITY
7815AT	5962-8855301XA	1	VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A	LINFINITY
7815KJAN	M38510/10708BYA	1	VOLT. REGULATOR, FIXED, POSITIVE	LINFINITY
7824AK	5962-8835401MYA	1		LINFINITY
7824AR	5962-8835401MZA	1		LINFINITY
7824AT	5962-8835401MXA	1		LINFINITY
7905AIG	5962-8874601UA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A	LINFINITY
7905AK	5962-8874601YA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A	LINFINITY
7905AKJAN	M38510/11505BYA	3	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
7905AR	5962-8874601ZA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A	LINFINITY
7905AT	5962-8874601XA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A	LINFINITY
7905ATJAN	M38510/11501BXA	3	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
7908AIG	5962-8987001UA	1	VOLT. REGULATOR, FIXED, NEGATIVE, 8V	LINFINITY
7908AK	5962-8987001YA	1	VOLT. REGULATOR, FIXED, NEGATIVE, 8V	LINFINITY
7908AR	5962-8987001ZA	1	VOLT. REGULATOR, FIXED, NEGATIVE, 8V	LINFINITY
7908AT	5962-8987001XA	1	VOLT. REGULATOR, FIXED, NEGATIVE, 8V	LINFINITY
7912AK	5962-8874701YA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A	LINFINITY
7912AR	5962-8874701ZA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A	LINFINITY
7912AT	5962-8874701XA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A	LINFINITY
7912ATJAN	M38510/11502BXA	3	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
7912KJAN	M38510/11506BYA	3	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
7915AIG	5962-8874801UA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A	LINFINITY
7915AK	5962-8874801YA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A	LINFINITY
7915AKJAN	M38510/11507BYA	3	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
7915AR	5962-8874801ZA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A	LINFINITY
7915AT	5962-8874801XA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A	LINFINITY
7915TJAN	M38510/11503BXA	3	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
791AIG	5962-8874701UA	3	VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A	LINFINITY
7924KJAN	M38510/11508BYA	3	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	LINFINITY
8671602A	5962-86716022A	1	ANALOG SWITCH, SPST, 4-CHANNEL, HIGH-SPEED	SILICONIX
867160EA	5962-8671602EA	1	ANALOG SWITCH, SPST, 4-CHANNEL, HIGH-SPEED	SILICONIX
8767301CA	5962-8767301CA	1	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
8767301XA	5962-8767301XA	1	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
8768301IA	5962-8767301IA	1	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
8768901VA	5962-8768901VA	1	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL LATCHABLE	SILICONIX
89763012A	5962-8976301M2A	1	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
8976301EA	5962-8976301MEA	1	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
89961012A	5962-89961012A	1	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
8996101EA	5962-8996101EA	1	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
90569012A	5962-90569012A	1	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
9056901EA	5962-9056901EA	1	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
9068901EA	5962-9068901MEA	1	ANALOG SWITCH, SPDT, 2-CHANNEL, WITH BIPOLAR DRIVE	SILICONIX
90731012A	5962-9073101M2A	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
9073101EA	5962-9073101MEA	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
90731022A	5962-9073102M2A	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
9073102EA	5962-9073102MEA	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
90731032A	5962-9073103M2A	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
9073103EA	5962-9073103MEA	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
9073701PA	5962-9073701MPA	1	ANALOG SWITCH, SPST, 1-CHANNEL	SILICONIX
9073702PA	5962-9073702MPA	1	ANALOG SWITCH, SPST, 1-CHANNEL	SILICONIX
9073703PA	5962-9073703MPA	1	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
92041012A	5962-9204101M2A	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
9204101EA	5962-9204101MEA	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
92041022A	5962-9204102M2A	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
9204102EA	5962-9204102MEA	1	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
9204201EA	5962-9204201MEA	1	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	SILICONIX
9204202EA	5962-9204202MEA	1	ANALOG MULTIPLEXER/DEMULTIPLEXER, DUAL 4-CHANNEL	SILICONIX

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
93415/BEAJC	M38510/23101BEA	1(0)	STATIC RAM, 1K X 1, WITH OPEN-COLLECTOR OUTPUTS, 60 NS ACCESS TIME	MOTOROLA
93422/BWAJC	M38510/23110BWA	1(0)	STATIC RAM, 256 X 4, WITH 3-STATE OUTPUTS, 60 NS ACCESS TIME	MOTOROLA
93L422/BWAJC	M38510/23112BWA	1(0)	STATIC RAM, 256 X 4, LOW-POWER, WITH 3-STATE OUTPUTS, 75 NS ACCESS TIME	MOTOROLA
93L422A/BWAJC	M38510/23115BWA	1(0)	STATIC RAM, 256 X 4, LOW-POWER, WITH 3-STATE OUTPUTS, 55 NS ACCESS TIME	MOTOROLA
96002-33/BZAJC	5962-9315001MXA	1	PROCESSOR, FLOATING-POINT, 96-BIT, DUAL PORT	MOTOROLA
AD1671SQ/883B	5962-9312601MXA	1	A/D CONVERTER, 12-BIT	ANALOG DEVICES
AD524SD/883B	5962-8853901EA	1	INSTRUMENTATION AMPLIFIER, PRECISION	ANALOG DEVICES
AD526SD/883B	5962-9089401MEA	0	AMPLIFIER. PROGRAMMABLE GAIN	ANALOG DEVICES
AD558SD/883B	5962-8778901EA	1	D/A CONVERTER, 8-BIT, WITH FULL MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD558SE/883B	5962-87789012A	1	D/A CONVERTER, 8-BIT, WITH FULL MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD558TD/883B	5962-8778902EA	1	D/A CONVERTER, 8-BIT, WITH FULL MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD561SD	M38510/13301BEA	1(0.5)	D/A CONVERTER, 10-BIT	ANALOG DEVICES
AD562SD	M38510/12101BJA	1(1)	D/A CONVERTER, 12-BIT, EXTERNAL REFERENCE, 2 MA, FS	ANALOG DEVICES
AD565SD	M38510/12103BJA	1(0)	D/A CONVERTER, 12-BIT	ANALOG DEVICES
AD567SD/883B	5962-8780101XA	1	D/A CONVERTER, 12-BIT, CURRENT OUTPUT, MICROPROCESSOR-COMPATIBLE	ANALOG DEVICES
AD568SE/883B	5962-89808023A	1	D/A CONVERTER, 12-BIT, HIGH-SPEED	ANALOG DEVICES
AD568SQ/883B	5962-8980801LA	1	D/A CONVERTER, 12-BIT, HIGH-SPEED	ANALOG DEVICES
AD570SD/883B	5962-8680201VA	1	A/D CONVERTER, 8-BIT, WITH 3-STATE BUFFERED OUTPUTS	ANALOG DEVICES
AD571SD/883B	5962-8680202VA	1	A/D CONVERTER, 10-BIT, WITH THREE-STATE BUFFERED OUTPUTS	ANALOG DEVICES
AD573SD/883B	5962-8850501RA	1	A/D CONVERTER, 10-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD574ATD	M38510/14002BXA	1(0.5)	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD574ATD/883B	5962-8512702XA	1	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD574ATE	5962-85127023A	1	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD574AUD	M38510/14001BXA	1(0.5)	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD574AUD/883B	5962-8512701XA	1	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD574AUE/883B	5962-85127013A	1	A/D CONVERTER. 12-BIT. WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD580SH/883B	5962-8686101XA	3	VOLT. REFERENCE, 2.5V, PRECISION (1%)	ANALOG DEVICES
AD580TH/883B	5962-8686102XA	3	VOLT. REFERENCE. 2.5V. PRECISION (.4%)	ANALOG DEVICES

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
AD580UH/883B	5962-8686103XA	3	VOLT. REFERENCE, 2.5V, PRECISION (.4%)	ANALOG DEVICES
AD581SH/883B	5962-8688201XA	1	VOLT. REFERENCE, 10V, PRECISION	ANALOG DEVICES
AD581TH/883B	5962-8688202XA	1	VOLT. REFERENCE, 10V, PRECISION	ANALOG DEVICES
AD581UH/883B	5962-8688203XA	1	VOLT. REFERENCE, 10V, PRECISION	ANALOG DEVICES
AD584SE/883B	5962-3812801M2A	1	VOLT. REFERENCE, PROGRAMMABLE	ANALOG DEVICES
AD584SH	M38510/12801BGA	1(0.5)	VOLT. REFERENCE, PROGRAMMABLE	ANALOG DEVICES
AD584TE/883B	5962-3812802M2A	1	VOLT. REFERENCE, PROGRAMMABLE	ANALOG DEVICES
AD584TH	M38510/12802BGA	1(0.5)	VOLT. REFERENCE, PROGRAMMABLE	ANALOG DEVICES
AD585SE/883B	5962-87540012A	1	SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	ANALOG DEVICES
AD585SQ/883B	5962-8754001CA	1	SAMPLE AND HOLD AMPLIFIER. HIGH-SPEED	ANALOG DEVICES
AD586SQ/883B	5962-8982401PA	1	VOLT. REFERENCE, 5.0V	ANALOG DEVICES
AD586TQ/883B	5962-8982402PA	1	VOLT. REFERENCE, 5.0V	ANALOG DEVICES
AD587SQ/883B	5962-8982501PA	1	VOLT. REFERENCE, 10V	ANALOG DEVICES
AD587TQ/883B	5962-8982502PA	1	VOLT. REFERENCE, 10V	ANALOG DEVICES
AD587UQ/883B	5962-8982503PA	1	VOLT. REFERENCE, 10V	ANALOG DEVICES
AD588SD/883B	5962-8972801EA	1	VOLT. REFERENCE, PIN-PROGRAMMABLE	ANALOG DEVICES
AD588SE/883B	5962-89728012A	1	VOLT. REFERENCE, PIN-PROGRAMMABLE	ANALOG DEVICES
AD588TD/883B	5962-8972802EA	1	VOLT. REFERENCE, PIN-PROGRAMMABLE	ANALOG DEVICES
AD588TE/883B	5962-89728022A	1	VOLT. REFERENCE, PIN-PROGRAMMABLE	ANALOG DEVICES
AD588TE/883B	5962-87789022A	1	D/A CONVERTER, 8-BIT, WITH FULL MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD590JF/883B	5962-8757101XA	2	TEMPERATURE TRANSDUCER	ANALOG DEVICES
AD590JH/883B	5962-8757101YA	2	TEMPERATURE TRANSDUCER	ANALOG DEVICES
AD590KF/883B	5962-8757102XA	2	TEMPERATURE TRANSDUCER	ANALOG DEVICES
AD590KH	5962-8757102YA	2	TEMPERATURE TRANSDUCER	ANALOG DEVICES
AD590LF/883B	5962-8757103XA	2	TEMPERATURE TRANSDUCER	ANALOG DEVICES
AD590LH/883B	5962-8757103YA	2	TEMPERATURE TRANSDUCER	ANALOG DEVICES
AD590MF/883B	5962-8757104XA	2	TEMPERATURE TRANSDUCER	ANALOG DEVICES
AD590MH/883B	5962-8757104YA	2	TEMPERATURE TRANSDUCER	ANALOG DEVICES
AD598SD/883B	5962-9067101MRA	1	SIGNAL CONDITIONER, LINEAR VARIABLE DIFFERENTIAL TRANSFORMER	ANALOG DEVICES
AD625SD/883B	5962-8771901EA	1	INSTRUMENTATION AMPLIFIER, PROGRAMMABLE GAIN	ANALOG DEVICES
AD664TD-BIP/883B	5962-8871902MXA	1	D/A CONVERTER, 12-BIT, BIPOLAR	ANALOG DEVICES
AD664TD-UNI/883B	5962-8871901MXA	1	D/A CONVERTER, 12-BIT, UNIPOLAR	ANALOG DEVICES
AD664TE/883B	5962-8871903MYA	1	D/A CONVERTER, 12-BIT, UNIPOLAR/BIPOLAR	ANALOG DEVICES
AD667SD/883B	5962-8865901XA	1	D/A CONVERTER, 12-BIT, VOLTAGE OUTPUT, MICROPROCESSOR COMPATIBLE	ANALOG DEVICES
AD667SE/883B	5962-88659013A	1	D/A CONVERTER, 12-BIT, VOLTAGE OUTPUT, MICROPROCESSOR COMPATIBLE	ANALOG DEVICES

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
AD670SD/883B	5962-8763501RA	1	A/D CONVERTER, 8-BIT, WITH INPUT AMPLIFIER	ANALOG DEVICES
AD673SD/883B	5962-8850502RA	1	A/D CONVERTER, 8-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD674ATD/883B	5962-8861502XA		A/D CONVERTER, 12-BIT, HIGH PERFORMANCE, MULTI-CHIP, W/MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD674ATE/883B	5962-88615023A		A/D CONVERTER, 12-BIT, HIGH PERFORMANCE, MULTI-CHIP, W/MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD674AUD/883B	5962-8861501XA		A/D CONVERTER, 12-BIT, HIGH PERFORMANCE, MULTI-CHIP, W/MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD674AUE/883B	5962-88615013A		A/D CONVERTER, 12-BIT, HIGH PERFORMANCE, MULTI-CHIP, W/MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD674B/883B	5962-9169003MXA	1	A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	ANALOG DEVICES
AD684SQ/883B	5962-9201301MEA	1	SAMPLE AND HOLD AMPLIFIER, FOUR-CHANNEL	ANALOG DEVICES
AD688SQ/883B	5962-9321401MEA	1	VOLT. REFERENCE, ±10V, PRECISION	ANALOG DEVICES
AD713SQ/883B	5962-9063301MCA	1	OP AMP, QUAD, BIFET	ANALOG DEVICES
AD713TQ/883B	5962-9063302MCA	1	OP AMP, QUAD, BIFET	ANALOG DEVICES
AD7524	5962-8770001EA	1(0)	D/A CONVERTER, 8-BIT MULTIPLYING BUFFERED, WITH .5 LSB	T.I.
AD7524	5962-87700012A	1(0)	D/A CONVERTER, 8-BIT MULTIPLYING BUFFERED, WITH .5 LSB	T.I.
AD767SD/883B	5962-8961701LA	1	D/A CONVERTER, 12-BIT	ANALOG DEVICES
AD790SQ/883B	5962-9150501MPA	1	VOLT. COMPARATOR, HIGH-SPEED, PRECISION, WITH LATCH CIRCUIT	ANALOG DEVICES
AD797SQ/883B	5962-9313301MPA			ANALOG DEVICES
AD810SQ/883B	5962-9313201MPA		OP AMP, VIDEO, WITH DISABLE	ANALOG DEVICES
AD811SE/883B	5962-9313101M2A	2	OP AMP, VIDEO	ANALOG DEVICES
AD811SQ/883B	5962-9313101MPA	2	OP AMP, VIDEO	ANALOG DEVICES
AD827SE/883B	5962-9211701M2A	1	OP AMP, DUAL, HIGH-SPEED, LOW-POWER	ANALOG DEVICES
AD827SQ/883B	5962-9211701MPA	1	OP AMP, DUAL, HIGH-SPEED, LOW-POWER	ANALOG DEVICES
AD829SE/883B	5962-9312901M2A	2	OP AMP, VIDEO	ANALOG DEVICES
AD829SQ/883B	5962-9312901MPA	2	OP AMP, VIDEO	ANALOG DEVICES
AD830SQ/883B	5962-9313001MPA	2	AMPLIFIER, VIDEO DIFFERENCE, HIGH-SPEED	ANALOG DEVICES
AD840SE/883B	5962-89640012A	1	OP AMP, WIDEBAND, FAST SETTLING	ANALOG DEVICES
AD840SQ/883B	5962-8964001CA	1	OP AMP, WIDEBAND, FAST SETTLING	ANALOG DEVICES
AD841SE/883B	5962-89641012A	1	OP AMP, FAST SETTLING, UNITY GAIN STABLE	ANALOG DEVICES
AD841SH/883B	5962-8964101XA	1	OP AMP, FAST SETTLING, UNITY GAIN STABLE	ANALOG DEVICES
AD841SQ/883B	5962-8964101CA	1	OP AMP, FAST SETTLING, UNITY GAIN STABLE	ANALOG DEVICES
AD842SE/883B	5962-89642012A	1	OP AMP, WIDEBAND, FAST SETTLING, HIGH OUTPUT CURRENT	ANALOG DEVICES
AD842SH/883B	5962-8964201XA	1	OP AMP, WIDEBAND, FAST SETTLING, HIGH OUTPUT CURRENT	ANALOG DEVICES
AD842SQ/883B	5962-8964201CA	1	OP AMP, WIDEBAND, FAST SETTLING, HIGH OUTPUT	ANALOG DEVICES

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			CURRENT	
AD843SE/883B	5962-9098001M2A	1	OP AMP, PRECISION, FAST-SETTLING	ANALOG DEVICES
AD843SH/883B	5962-9098001MXA	1	OP AMP, PRECISION, FAST-SETTLING	ANALOG DEVICES
AD843SQ/883B	5962-9098001MPA	1	OP AMP, PRECISION, FAST-SETTLING	ANALOG DEVICES
AD844SQ/883B	5962-8964401PA	1	OP AMP, WIDEBAND, HIGH SLEW RATE	ANALOG DEVICES
AD845SQ/883B	5962-8964501PA	1	OP AMP, PRECISION, CBFET	ANALOG DEVICES
AD846SQ/883B	5962-8964601PA	2	OP AMP, HIGH-SPEED	ANALOG DEVICES
AD847SQ/883B	5962-8964701PA	1	OP AMP, HIGH-SPEED, LOW-POWER	ANALOG DEVICES
AD872SD/883B	5962-9306001MXA	1	A/D CONVERTER, 12-BIT, 10 MSPS	ANALOG DEVICES
AD872SE/883B	5962-9306001MYA	1		ANALOG DEVICES
ADC0802LJ/883	5962-9096601MRA	1(0)	A/D CONVERTER, 8-BIT, MICROPROCESSOR-COMPATIBLE	NATIONAL
ADC1241CMJ/883	5962-9157801MXA	2	A/D CONVERTER, 12-BIT, SELF-CALIBRATING, WITH SAMPLE-AND-HOLD	NATIONAL
ADC12441CMJ/883	5962-9157802MXA	2	A/D CONVERTER, 12-BIT, DYNAMICALLY-TESTED SELF-CALIBRATING, WITH SAMPLE-AND-HOLD	NATIONAL
ADDAC87D-CBI-V	8300301JA	1	D/A CONVERTER, 12-BIT, RANGE PROGRAMMABLE, VOLTAGE OUTPUT	ANALOG DEVICES
AH5010J/883	5962-9087801MCA	1	ANALOG SWITCH, 4-CHANNEL	NATIONAL
AH5012J/883	5962-9088001MEA	1	ANALOG SWITCH, 4-CHANNEL	NATIONAL
AM26LS32A	5962-7802003MFA	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
AM26LS32A	5962-7802003MEA	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
AM26LS32A	5962-7802003M2A	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
AM26LS33A	5962-7802004MEA	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
AM26LS33A	5962-7802004M2A	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
AM26LS33A	5962-7802004MFA	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	T.I.
AS1674TD/883B	5962-9316401MXA	1	A/D CONVERTER, 12-BIT	ANALOG DEVICES
ATT3020-100N100MQ	5962-8994803QUX	1	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 100 MHZ	AT&T
ATT3020-100R84MQ	5962-8994803QZX	1	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 100 MHZ	AT&T
ATT3020-125N100MQ	5962-8994804QUX	1	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 125 MHZ	AT&T
ATT3020-125R84MQ	5962-8994804QZX	1	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 125 MHZ	AT&T
ATT3020-50N100MQ	5962-8994801QUX	1	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 50 MHZ	AT&T
ATT3020-50R84MQ	5962-8994801QZX	1	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 50 MHZ	AT&T
ATT3020-70N100MQ	5962-8994802QUX	1	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 70 MHZ	AT&T
ATT3020-70R84MQ	5962-8994802QZX	1	PROG. LOGIC DEVICE, 2000 GATE, 8 X 8, 70 MHZ	AT&T
ATT3042-100N100MQ	5962-8971303QTX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 50 MHZ	AT&T
ATT3042-100R132MQ	5962-8971303QZX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 100 MHZ	AT&T
ATT3042-100R84MQ	5962-8971303QUX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 50 MHZ	AT&T
ATT3042-125N100MQ	5962-8971304QTX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 125 MHZ	AT&T
ATT3042-125R132MQ	5962-8971304QZX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 125 MHZ	AT&T

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
ATT3042-125R84MQ	5962-8971304QUX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 125 MHZ	AT&T
ATT3042-50N100MQ	5962-8971301QTX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 50 MHZ	AT&T
ATT3042-50R132MQ	5962-8971301QZX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 50 MHZ	AT&T
ATT3042-50R84MQ	5962-8971301QUX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 50 MHZ	AT&T
ATT3042-70N100MQ	5962-8971302QTX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 70 MHZ	AT&T
ATT3042-70R132MQ	5962-8971302QZX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 70 MHZ	AT&T
ATT3042-70R84MQ	5962-8971302QUX	1	PROG. LOGIC DEVICE, 4200 GATE, 12 X 12, 70 MHZ	AT&T
ATT3090-100N164MQ	5962-8982303QZX	1	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 100 MHZ TOGGLE SPEED	AT&T
ATT3090-100R175MQ	5962-8982303QXX	1	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 100 MHZ TOGGLE SPEED	AT&T
ATT3090-125N164MQ	5962-8982304QZX	1	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 125 MHZ TOGGLE SPEED	AT&T
ATT3090-125R175MQ	5962-8982304QXX	1	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 125 MHZ TOGGLE SPEED	AT&T
ATT3090-50N164MQ	5962-8982301QZX	1	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 50 MHZ TOGGLE SPEED	AT&T
ATT3090-50R175MQ	5962-8982301QXX	1	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 50 MHZ TOGGLE SPEED	AT&T
ATT3090-70N164MQ	5962-8982302QZX	1	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 70 MHZ TOGGLE SPEED	AT&T
ATT3090-70R175MQ	5962-8982302QXX	1	PROG. LOGIC DEVICE, 9000-GATE, 16X20, 70 MHZ TOGGLE SPEED	AT&T
CD053BMJ/883	8101803EA			NATIONAL
CD14538BF3A	5962-9055701EA		MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE/RESETTABLE, PRECISION	HARRIS
CD4000AFB	M38510/05201BCA	1(.5)	NOR GATE, DUAL 3-INPUT	HARRIS
CD4001AFB	M38510/05202BCA	1(1)	NOR GATE, QUAD 2-INPUT	HARRIS
CD4001BFB	M38510/05252BCA	1(.5)	NOR GATE, QUAD 2-INPUT	HARRIS
CD4001BFBH	M38510H05252BCA	1(.5)	NOR GATE, QUAD 2-INPUT	HARRIS
CD4001BFBR	M38510R05252BCA	1(.5)	NOR GATE, QUAD 2-INPUT	HARRIS
CD4001BFSH	M38510H05252SCA	1(.5)	NOR GATE, QUAD 2-INPUT	HARRIS
CD4001BFSR	M38510R05252SCA	1(.5)	NOR GATE, QUAD 2-INPUT	HARRIS
CD4001BQBH	M38510H05252BTC	1(.5)	NOR GATE, QUAD 2-INPUT	HARRIS
CD4001BQBR	M38510R05252BTC	1(.5)	NOR GATE, QUAD 2-INPUT	HARRIS
CD4001BQSH	M38510H05252STC	1(.5)	NOR GATE, QUAD 2-INPUT	HARRIS
CD4001BQSR	M38510R05252STC	1(.5)	NOR GATE, QUAD 2-INPUT	HARRIS
CD4002BFBH	M38510H05253BCA	1(.5)	NOR GATE, DUAL 4-INPUT	HARRIS
CD4002BFBR	M38510R05253BCA	1(.5)	NOR GATE, DUAL 4-INPUT	HARRIS
CD4002BFSH	M38510H05253SCA	1(.5)	NOR GATE, DUAL 4-INPUT	HARRIS
CD4002BFSR	M38510R05253SCA	1(.5)	NOR GATE, DUAL 4-INPUT	HARRIS
CD4002BQBH	M38510H05253BTC	1(.5)	NOR GATE, DUAL 4-INPUT	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD4002BQBR	M38510R05253BTC	1(.5)	NOR GATE, DUAL 4-INPUT	HARRIS
CD4002BQSH	M38510H05253STC	1(.5)	NOR GATE, DUAL 4-INPUT	HARRIS
CD4002BQSR	M38510R05253STC	1(.5)	NOR GATE, DUAL 4-INPUT	HARRIS
CD4007AFB	M38510/05301BCA	1(.5)	COMPLIMENTARY PAIR, DUAL	HARRIS
CD4007UBFBH	M38510H05351BCA	1(.5)	COMPLIMENTARY PAIR, DUAL	HARRIS
CD4007UBFBR	M38510R05351BCA	1(.5)	COMPLIMENTARY PAIR, DUAL	HARRIS
CD4007UBFSH	M38510H05351SC	1(.5)	COMPLIMENTARY PAIR, DUAL	HARRIS
CD4007UBFSR	M38510R05351SCA	1(.5)	COMPLIMENTARY PAIR, DUAL	HARRIS
CD4007UBQBH	M38510H05351BTC	1(.5)	COMPLIMENTARY PAIR, DUAL	HARRIS
CD4007UBQBR	M38510R05351BTC	1(.5)	COMPLIMENTARY PAIR, DUAL	HARRIS
CD4007UBQSH	M38510H05351STC	1(.5)	COMPLIMENTARY PAIR, DUAL	HARRIS
CD4007UBQSR	M38510R05351STC	1(.5)	COMPLIMENTARY PAIR, DUAL	HARRIS
CD4008BFBR	M38510R05451BEA	1(1.5)	ADDER, 4-BIT FULL	HARRIS
CD4008BFSR	M38510R05451SEA	1(1.5)	ADDER, 4-BIT FULL	HARRIS
CD4008BQBR	M38510R05451BNC	1(1.5)	ADDER, 4-BIT FULL	HARRIS
CD4008BQSR	M38510R05451SNC	1(1.5)	ADDER, 4-BIT FULL	HARRIS
CD401068MJ/883	5962-8550101CA		HEX INVERTER, SCHMITT TRIGGER	NATIONAL
CD4011AFB	M38510/05001BCA	1(.4)	NAND GATE, QUAD 2-INPUT	HARRIS
CD4011BFB	M38510/05051BCA	1(.5)	NAND GATE, QUAD 2-INPUT	HARRIS
CD4011BFBH	M38510H05051BCA	1(.5)	NAND GATE, QUAD 2-INPUT	HARRIS
CD4011BFBR	M38510R05051BCA	1(.5)	NAND GATE, QUAD 2-INPUT	HARRIS
CD4011BQBH	M38510H05051BTC	1(.5)	NAND GATE, QUAD 2-INPUT	HARRIS
CD4013AFB	M38510/05101BCA	1(1)	FLIP-FLOP, D-TYPE, DUAL	HARRIS
CD4013BFB	M38510/05151BCA	1(1)	FLIP-FLOP, D-TYPE, DUAL	HARRIS
CD4013BFBR	M38510R05151BCA	1(1)	FLIP-FLOP, D-TYPE, DUAL	HARRIS
CD4013BFSR	M38510R05151SCA	1(1)	FLIP-FLOP, D-TYPE, DUAL	HARRIS
CD4013BQSH	M38510H05151STC	1(1)	FLIP-FLOP, D-TYPE, DUAL	HARRIS
CD4013BQSR	M38510R05151STC	1(1)	FLIP-FLOP, D-TYPE, DUAL	HARRIS
CD4014BFBH	M38510H05752BEA	1(1.5)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
CD4014BFBR	M38510R05752BEA	1(1.5)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
CD4014BFSH	M38510H05752SEA	1(1.5)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
CD4014BFSR	M38510R05752SEA	1(1.5)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
CD4014BQBH	M38510H05752BNC	1(1.5)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
CD4014BQBR	M38510R05752BNC	1(1.5)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
CD4014BQSH	M38510H05752SNC	1(1.5)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
CD4014BQSR	M38510R05752SNC	1(1.5)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	HARRIS
CD4015BFBH	M38510H05753BEA	1(1.5)	SHIFT REGISTER, DUAL 4-STAGE	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD4015BFBR	M38510R05753BEA	1(1.5)	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
CD4015BFSH	M38510H05753SEA	1(1.5)	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
CD4015BFSR	M38510R05753SEA	1(1.5)	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
CD4015BQBH	M38510H05753BNC	1(1.5)	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
CD4015BQBR	M38510R05753BNC	1(1.5)	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
CD4015BQSH	M38510H05753SNC	1(1.5)	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
CD4015BQSR	M38510R05753SNC	1(1.5)	SHIFT REGISTER, DUAL 4-STAGE	HARRIS
CD4016BF3A	5962-9064001CA		BILATERAL SWITCH, QUAD	HARRIS
CD40174BMJ/883B	8202201EA	1	FLIP-FLOP, D-TYPE, HEX	NATIONAL
CD40174BMW/883B	8202201FA	1(0)	FLIP-FLOP, D-TYPE, HEX	NATIONAL
CD4017AFB	M38510/05601BEA	1(1.5)	DECADE COUNTER	HARRIS
CD4017BFB	M38510/05651BEA	1(1.5)	DECADE COUNTER	HARRIS
CD4017BFBH	M38510H05651BEA	1(1.5)	DECADE COUNTER	HARRIS
CD4017BFBR	M38510R05651BEA	1(1.5)	DECADE COUNTER	HARRIS
CD4017BFSH	M38510H05651SEA	1(1.5)	DECADE COUNTER	HARRIS
CD4017BFSR	M38510R05651SEA	1(1.5)	DECADE COUNTER	HARRIS
CD4017BQBH	M38510H05651BNC	1(1.5)	DECADE COUNTER	HARRIS
CD4017BQBR	M38510R05651BNC	1(1.5)	DECADE COUNTER	HARRIS
CD4017BQSH	M38510H05651SNC	1(1.5)	DECADE COUNTER	HARRIS
CD4017BQSR	M38510R05651SNC	1(1.5)	DECADE COUNTER	HARRIS
CD40188FB	M38510/05652BEA	1(1.5)	COUNTER, DIVIDE-BY-N	HARRIS
CD40188FBH	M38510H05652BEA	1(1.5)	COUNTER, DIVIDE-BY-N	HARRIS
CD40188FBR	M38510R05652BEA	1(1.5)	COUNTER, DIVIDE-BY-N	HARRIS
CD4018BFSH	M38510H05652SEA	1(1.5)	COUNTER, DIVIDE-BY-N	HARRIS
CD4018BFSR	M38510R05652SEA	1(1.5)	COUNTER, DIVIDE-BY-N	HARRIS
CD40188QBH	M38510H05652BNC	1(1.5)	COUNTER, DIVIDE-BY-N	HARRIS
CD40188QBR	M38510R05652BNC	1(1.5)	COUNTER, DIVIDE-BY-N	HARRIS
CD4018BQSH	M38510H05652SNC	1(1.5)	COUNTER, DIVIDE-BY-N	HARRIS
CD4018BQSR	M38510R05652SNC	1(1.5)	COUNTER, DIVIDE-BY-N	HARRIS
CD4019AFB	M38510/05302BEA	1(.5)	AND/OR SELECT GATE, QUAD	HARRIS
CD4019BFB	M38510/05352BEA	1(1)	AND/OR SELECT GATE, QUAD	HARRIS
CD4019BFBH	M38510H05352BEA	1(1)	AND/OR SELECT GATE, QUAD	HARRIS
CD4019BFBR	M38510R05352BEA	1(1)	AND/OR SELECT GATE, QUAD	HARRIS
CD4019BFSH	M38510H05352SEA	1(1)	AND/OR SELECT GATE, QUAD	HARRIS
CD4019BFSR	M38510R05352SEA	1(1)	AND/OR SELECT GATE, QUAD	HARRIS
CD4019BQBH	M38510H05352BNC	1(1)	AND/OR SELECT GATE, QUAD	HARRIS
CD4019BQBR	M38510R05352BNC	1(1)	AND/OR SELECT GATE, QUAD	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD4019BQSH	M38510H05352SNC	1(1)	AND/OR SELECT GATE, QUAD	HARRIS
CD4019BQSR	M38510R05352SNC	1(1)	AND/OR SELECT GATE, QUAD	HARRIS
CD4020AFB	M38510/05603BEA	1(.4)	BINARY COUNTER, 14-STAGE	HARRIS
CD4020BFB	M38510/05653BEA	1(1.5)	BINARY COUNTER, 14-STAGE	HARRIS
CD4020BFBH	M38510H05653BEA	1(1.5)	BINARY COUNTER, 14-STAGE	HARRIS
CD4020BFBR	M38510R05653BEA	1(1.5)	BINARY COUNTER, 14-STAGE	HARRIS
CD4020BFSH	M38510H05653SEA	1(1.5)	BINARY COUNTER, 14-STAGE	HARRIS
CD4020BFSR	M38510R05653SEA	1(1.5)	BINARY COUNTER, 14-STAGE	HARRIS
CD4020BQBH	M38510H05653BNC	1(1.5)	BINARY COUNTER, 14-STAGE	HARRIS
CD4020BQBR	M38510R05653BNC	1(1.5)	BINARY COUNTER, 14-STAGE	HARRIS
CD4020BQSH	M38510H05653SNC	1(1.5)	BINARY COUNTER, 14-STAGE	HARRIS
CD4020BQSR	M38510R05653SNC	1(1.5)	BINARY COUNTER, 14-STAGE	HARRIS
CD4021BFB	M38510/05754BEA	1(1.5)	SHIFT REGISTER, STATIC	HARRIS
CD4021BFBH	M38510H05754BEA	1(1.5)	SHIFT REGISTER, STATIC	HARRIS
CD4021BFBR	M38510R05754BEA	1(1.5)	SHIFT REGISTER, STATIC	HARRIS
CD4021BFSH	M38510H05754SEA	1(1.5)	SHIFT REGISTER, STATIC	HARRIS
CD4021BFSR	M38510R05754SEA	1(1.5)	SHIFT REGISTER, STATIC	HARRIS
CD4021BQBH	M38510H05754BNC	1(1.5)	SHIFT REGISTER, STATIC	HARRIS
CD4021BQBR	M38510R05754BNC	1(1.5)	SHIFT REGISTER, STATIC	HARRIS
CD4021BQSH	M38510H05754SNC	1(1.5)	SHIFT REGISTER, STATIC	HARRIS
CD4021BQSR	M38510R05754SNC	1(1.5)	SHIFT REGISTER, STATIC	HARRIS
CD4022BFBH	M38510H05654BEA	1(1.5)	COUNTER, DIVIDE-BY-8	HARRIS
CD4022BFBR	M38510R05654BEA	1(1.5)	COUNTER, DIVIDE-BY-8	HARRIS
CD4022BFSH	M38510H05654SEA	1(1.5)	COUNTER, DIVIDE-BY-8	HARRIS
CD4022BFSR	M38510R05654SEA	1(1.5)	COUNTER, DIVIDE-BY-8	HARRIS
CD4022BQBH	M38510H05654BNC	1(1.5)	COUNTER, DIVIDE-BY-8	HARRIS
CD4022BQBR	M38510R05654BNC	1(1.5)	COUNTER, DIVIDE-BY-8	HARRIS
CD4022BQSH	M38510H05654SNC	1(1.5)	COUNTER, DIVIDE-BY-8	HARRIS
CD4022BQSR	M38510R05654SNC	1(1.5)	COUNTER, DIVIDE-BY-8	HARRIS
CD4023AFB	M38510/05003BCA	1(.5)	NAND GATE, TRIPLE 3-INPUT	HARRIS
CD4023BQSR	M38510R05053STC	1(.5)	NAND GATE, TRIPLE 3-INPUT	HARRIS
CD4024AFB	M38510/05605BCA	1(1.5)	BINARY COUNTER, 7-STAGE	HARRIS
CD4024BFB	M38510/05655BCA	1(1.5)	BINARY COUNTER, 7-STAGE	HARRIS
CD4024BFBH	M38510H05655BCA	1(1.5)	BINARY COUNTER, 7-STAGE	HARRIS
CD4024BFBR	M38510R05655BCA	1(1.5)	BINARY COUNTER, 7-STAGE	HARRIS
CD4024BFSH	M38510H05655SCA	1(1.5)	BINARY COUNTER, 7-STAGE	HARRIS
CD4024BFSR	M38510R05655SCA	1(1.5)	BINARY COUNTER, 7-STAGE	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD4024BQBH	M38510H05655BTC	1(1.5)	BINARY COUNTER, 7-STAGE	HARRIS
CD4024BQBR	M38510R05655BTC	1(1.5)	BINARY COUNTER, 7-STAGE	HARRIS
CD4024BQSH	M38510H05655STC	1(1.5)	BINARY COUNTER, 7-STAGE	HARRIS
CD4024BQSR	M38510R05655STC	1(1.5)	BINARY COUNTER, 7-STAGE	HARRIS
CD4025AFB	M38510/05204BCA	1(.5)	NOR GATE, TRIPLE 3-INPUT	HARRIS
CD4025BFB	M38510/05254BCA	1(.5)	NOR GATE, TRIPLE 3-INPUT	HARRIS
CD4025BFBH	M38510H05254BCA	1(.5)	NOR GATE, TRIPLE 3-INPUT	HARRIS
CD4025BFBR	M38510R05254BCA	1(.5)	NOR GATE, TRIPLE 3-INPUT	HARRIS
CD4025BFSH	M38510H05254SCA	1(.5)	NOR GATE, TRIPLE 3-INPUT	HARRIS
CD4025BFSR	M38510R05254SCA	1(.5)	NOR GATE, TRIPLE 3-INPUT	HARRIS
CD4025BQBH	M38510H05254BTC	1(.5)	NOR GATE, TRIPLE 3-INPUT	HARRIS
CD4025BQBR	M38510R05254BT	1(.5)	NOR GATE, TRIPLE 3-INPUT	HARRIS
CD4025BQSH	M38510H05254STC	1(.5)	NOR GATE, TRIPLE 3-INPUT	HARRIS
CD4025BQSR	M38510R05254STC	1(.5)	NOR GATE, TRIPLE 3-INPUT	HARRIS
CD4027AFB	M38510/05102BEA	1(.5)	FLIP-FLOP, JK, DUAL	HARRIS
CD4027BFB	M38510/05152BEA	1(1)	FLIP-FLOP, JK, DUAL	HARRIS
CD4027BFBH	M38510H05152BEA	1(1)	FLIP-FLOP, JK, DUAL	HARRIS
CD4027BFBR	M38510R05152BEA	1(1)	FLIP-FLOP, JK, DUAL	HARRIS
CD4027BFSH	M38510H05152SEA	1(1)	FLIP-FLOP, JK, DUAL	HARRIS
CD4027BFSR	M38510R05152SEA	1(1)	FLIP-FLOP, JK, DUAL	HARRIS
CD4027BQBH	M38510H05152BNC	1(1)	FLIP-FLOP, JK, DUAL	HARRIS
CD4027BQBR	M38510R05152BNC	1(1)	FLIP-FLOP, JK, DUAL	HARRIS
CD4027BQSH	M38510H05152SNC	1(1)	FLIP-FLOP, JK, DUAL	HARRIS
CD4027BQSR	M38510R05152SNC	1(1)	FLIP-FLOP, JK, DUAL	HARRIS
CD4028BFBR	M38510R05951BEA	1(1.5)	DECODER, BCD-TO-DECIMAL	HARRIS
CD4028BFSR	M38510R05951SEA	1(1.5)	DECODER, BCD-TO-DECIMAL	HARRIS
CD4028BQBR	M38510R05951BNC	1(1.5)	DECODER, BCD-TO-DECIMAL	HARRIS
CD4028BQSR	M38510R05951SNC	1(1.5)	DECODER, BCD-TO-DECIMAL	HARRIS
CD4029BMJ/883	8101601EA	1	BINARY/DECADE COUNTER, 4-BIT PRESETTABLE UP/DOWN	NATIONAL
CD4030BFB	M38510/05353BCA	1(1)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
CD4030BFBH	M38510H05353BCA	1(1)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
CD4030BFBR	M38510R05353BCA	1(1)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
CD4030BFSH	M38510H05353SCA	1(1)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
CD4030BFSR	M38510R05353SCA	1(1)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
CD4030BQBH	M38510H05353BTC	1(1)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
CD4030BQBR	M38510R05353BTC	1(1)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
CD4030BQSH	M38510H05353STC	1(1)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD4030BQSR	M38510R05353STC	1(1)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
CD4035BF3A	8101701EA		SHIFT REGISTER, 4-BIT PARALLEL-IN, PARALLEL-OUT	HARRIS
CD4040BMJ/883	7705801EA	1	BINARY COUNTER, 12-BIT	NATIONAL
CD4041UBFBR	M38510R05555BCA	1(1)	TRUE/COMPLIMENT BUFFER, QUAD	HARRIS
CD4041UBFSR	M38510R05555SCA	1(1)	TRUE/COMPLIMENT BUFFER, QUAD	HARRIS
CD4041UBQBR	M38510R05555BTC	1(1)	TRUE/COMPLIMENT BUFFER, QUAD	HARRIS
CD4041UBQSR	M38510R05555STC	1(1)	TRUE/COMPLIMENT BUFFER, QUAD	HARRIS
CD4047BF3A	8102001CA		MULTIVIBRATOR, MONOSTABLE/ASTABLE	HARRIS
CD4047BMJ/883	8102002CA	1(0)	MULTIVIBRATOR, MONOSTABLE/ASTABLE	NATIONAL
CD4047BMW/883	8102002DA	1(0)	MULTIVIBRATOR, MONOSTABLE/ASTABLE	NATIONAL
CD4049AFB	M38510/05503BEA	1(.5)	HEX INVERTER BUFFER	HARRIS
CD4049UBFB	M38510/05553BEA	1(1)	HEX INVERTER BUFFER	HARRIS
CD4049UBFBH	M38510H05553BEA	1(1)	HEX INVERTER BUFFER	HARRIS
CD4049UBFBR	M38510R05553BEA	1(1)	HEX INVERTER BUFFER	HARRIS
CD4049UBFSH	M38510H05553SEA	1(1)	HEX INVERTER BUFFER	HARRIS
CD4049UBFSR	M38510R05553SEA	1(1)	HEX INVERTER BUFFER	HARRIS
CD4049UBQBH	M38510H05553BNC	1(1)	HEX INVERTER BUFFER	HARRIS
CD4049UBQBR	M38510R05553BNC	1(1)	HEX INVERTER BUFFER	HARRIS
CD4049UBQSH	M38510H05553SNC	1(1)	HEX INVERTER BUFFER	HARRIS
CD4049UBQSR	M38510R05553SNC	1(1)	HEX INVERTER BUFFER	HARRIS
CD4050AFB	M38510/05504BEA	1(.5)	HEX BUFFER, NONINVERTING	HARRIS
CD4050BFB	M38510/05554BEA	1(1)	HEX BUFFER, NONINVERTING	HARRIS
CD4050BFBH	M38510H05554BEA	1(1)	HEX BUFFER, NONINVERTING	HARRIS
CD4050BFBR	M38510R05554BEA	1(1)	HEX BUFFER, NONINVERTING	HARRIS
CD4050BFSH	M38510H05554SEA	1(1)	HEX BUFFER, NONINVERTING	HARRIS
CD4050BFSR	M38510R05554SEA	1(1)	HEX BUFFER, NONINVERTING	HARRIS
CD4050BQBH	M38510H05554BNC	1(1)	HEX BUFFER, NONINVERTING	HARRIS
CD4050BQBR	M38510R05554BNC	1(1)	HEX BUFFER, NONINVERTING	HARRIS
CD4050BQSH	M38510H05554SNC	1(1)	HEX BUFFER, NONINVERTING	HARRIS
CD4050BQSR	M38510R05554SNC	1(1)	HEX BUFFER, NONINVERTING	HARRIS
CD4052BF3A	7901502EA		ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL DIFFERENTIAL	HARRIS
CD4052BMJ/883	7901501EA	1(0)	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL DIFFERENTIAL	NATIONAL
CD4052BMW/883	7901501FA	1	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL DIFFERENTIAL	NATIONAL
CD4053BF3A	8101801EA		ANALOG MULTIPLEXER/DEMULTIPLEXER, TRIPLE 2-CHANNEL	HARRIS
CD4053BMW/883	8101803FA			NATIONAL
CD4066BFB	M38510/05852BCA	1(.5)	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD4066BFBH	M38510H05852BCA	1(.5)	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
CD4066BFBR	M38510R05852BCA	1(.5)	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
CD4066BFSH	M38510H05852SCA	1(.5)	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
CD4066BFSR	M38510R05852SCA	1(.5)	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
CD4066BQBH	M38510H05852BTC	1(.5)	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
CD4066BQBR	M38510R05852BTC	1(.5)	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
CD4066BQSH	M38510H05852STC	1(.5)	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
CD4066BQSR	M38510R05852STC	1(.5)	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
CD4069UBFB	M38510/17401BCA	1(.5)	HEX INVERTER	HARRIS
CD4069UBFBH	M38510H17401BCA	1(.5)	HEX INVERTER	HARRIS
CD4069UBFBR	M38510R17401BCA	1(.5)	HEX INVERTER	HARRIS
CD4069UBFSH	M38510H17401SCA	1(.5)	HEX INVERTER	HARRIS
CD4069UBFSR	M38510R17401SCA	1(.5)	HEX INVERTER	HARRIS
CD4069UBQBH	M38510H17401BTC	1(.5)	HEX INVERTER	HARRIS
CD4069UBQBR	M38510R17401BTC	1(.5)	HEX INVERTER	HARRIS
CD4069UBQSH	M38510H17401STC	1(.5)	HEX INVERTER	HARRIS
CD4069UBQSR	M38510R17401STC	1(.5)	HEX INVERTER	HARRIS
CD4070BFB	M38510/17203BCA	1(1)	EXCLUSIVE-OR GATE, QUAD	HARRIS
CD4070BFBH	M38510H17203BCA	1(1)	EXCLUSIVE-OR GATE, QUAD	HARRIS
CD4070BFBR	M38510R17203BCA	1(1)	EXCLUSIVE-OR GATE, QUAD	HARRIS
CD4070BFSH	M38510H17203SCA	1(1)	EXCLUSIVE-OR GATE, QUAD	HARRIS
CD4070BFSR	M38510R17203SCA	1(1)	EXCLUSIVE-OR GATE, QUAD	HARRIS
CD4070BQBH	M38510H17203BTC	1(1)	EXCLUSIVE-OR GATE, QUAD	HARRIS
CD4070BQBR	M38510R17203BTC	1(1)	EXCLUSIVE-OR GATE, QUAD	HARRIS
CD4070BQSH	M38510H17203STC	1(1)	EXCLUSIVE-OR GATE, QUAD	HARRIS
CD4070BQSR	M38510R17203STC	1(1)	EXCLUSIVE-OR GATE, QUAD	HARRIS
CD4071BFB	M38510/17101BCA	1(.5)	OR GATE, QUAD 2-INPUT	HARRIS
CD4071BFBH	M38510H17101BCA	1(.5)	OR GATE, QUAD 2-INPUT	HARRIS
CD4071BFBR	M38510R17101BCA	1(.5)	OR GATE, QUAD 2-INPUT	HARRIS
CD4071BFSH	M38510H17101SCA	1(.5)	OR GATE, QUAD 2-INPUT	HARRIS
CD4071BFSR	M38510R17101SCA	1(.5)	OR GATE, QUAD 2-INPUT	HARRIS
CD4071BQBH	M38510H17101BTC	1(.5)	OR GATE, QUAD 2-INPUT	HARRIS
CD4071BQBR	M38510R17101BTC	1(.5)	OR GATE, QUAD 2-INPUT	HARRIS
CD4071BQSH	M38510H17101STC	1(.5)	OR GATE, QUAD 2-INPUT	HARRIS
CD4071BQSR	M38510R17101STC	1(.5)	OR GATE, QUAD 2-INPUT	HARRIS
CD4072BF3A	7706002CA	2		HARRIS
CD4072BFBR	M38510R17102BCA	1(.5)	OR GATE, DUAL 4-INPUT	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD4072BQBR	M38510R17102BTC	1(.5)	OR GATE, DUAL 4-INPUT	HARRIS
CD4073BF3A	7705102CA	2		HARRIS
CD4073BFB	M38510/17003BCA	1(.5)	AND GATE, TRIPLE 3-INPUT	HARRIS
CD4073BFBR	M38510R17003BCA	1(.5)	AND GATE, TRIPLE 3-INPUT	HARRIS
CD4073BQBR	M38510R17003BTC	1(.5)	AND GATE, TRIPLE 3-INPUT	HARRIS
CD4075BFB	M38510/17103BCA	1(.5)	OR GATE, TRIPLE 3-INPUT	HARRIS
CD4075BFBH	M38510H17103BCA	1(.5)	OR GATE, TRIPLE 3-INPUT	HARRIS
CD4075BFBR	M38510R17103BCA	1(.5)	OR GATE, TRIPLE 3-INPUT	HARRIS
CD4075BFSH	M38510H17103SCA	1(.5)	OR GATE, TRIPLE 3-INPUT	HARRIS
CD4075BFSR	M38510R17103SCA	1(.5)	OR GATE, TRIPLE 3-INPUT	HARRIS
CD4075BQBH	M38510H17103BTC	1(.5)	OR GATE, TRIPLE 3-INPUT	HARRIS
CD4075BQBR	M38510R17103BTC	1(.5)	OR GATE, TRIPLE 3-INPUT	HARRIS
CD4075BQSH	M38510H17103STC	1(.5)	OR GATE, TRIPLE 3-INPUT	HARRIS
CD4075BQSR	M38510R17103STC	1(.5)	OR GATE, TRIPLE 3-INPUT	HARRIS
CD4077BFBR	M38510R17204BCA	1(1)	EXCLUSIVE-NOR GATE, QUAD	HARRIS
CD4077BQBR	M38510R17204BTC	1(1)	EXCLUSIVE-NOR GATE, QUAD	HARRIS
CD4078BF3A	7704402CA		NOR/OR GATE, 8-INPUT	HARRIS
CD4081BF3A	7702402CA		AND GATE, QUAD 2-INPUT	HARRIS
CD4081BFB	M38510/17001BCA	1(.5)	AND GATE, QUAD 2-INPUT	HARRIS
CD4081BFBH	M38510H17001BCA	1(.5)	AND GATE, QUAD 2-INPUT	HARRIS
CD4081BFBR	M38510R17001BCA	1(.5)	AND GATE, QUAD 2-INPUT	HARRIS
CD4081BFSH	M38510H17001SCA	1(.5)	AND GATE, QUAD 2-INPUT	HARRIS
CD4081BFSR	M38510R17001SCA	1(.5)	AND GATE, QUAD 2-INPUT	HARRIS
CD4081BQBH	M38510H17001BTC	1(.5)	AND GATE, QUAD 2-INPUT	HARRIS
CD4081BQBR	M38510R17001BTC	1(.5)	AND GATE, QUAD 2-INPUT	HARRIS
CD4081BQSH	M38510H17001STC	1(.5)	AND GATE, QUAD 2-INPUT	HARRIS
CD4081BQSR	M38510R17001STC	1(.5)	AND GATE, QUAD 2-INPUT	HARRIS
CD4082BF3A	7705902CA	2		HARRIS
CD4082BFB	M38510/17002BCA	1(.5)	AND GATE, DUAL 4-INPUT	HARRIS
CD4082BFBR	M38510R17002BCA	1(.5)	AND GATE, DUAL 4-INPUT	HARRIS
CD4082BQBR	M38510R17002BTC	1(.5)	AND GATE, DUAL 4-INPUT	HARRIS
CD4085BFBH	M38510H17201BCA	1(1)	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
CD4085BFBR	M38510R17201BCA	1(1)	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
CD4085BFSH	M38510H17201SCA	1(1)	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
CD4085BFSR	M38510R17201SCA	1(1)	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
CD4085BQBH	M38510H17201BTC	1(1)	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
CD4085BQBR	M38510R17201BTC	1(1)	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD4085BQSH	M38510H17201STC	1(1)	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
CD4085BQSR	M38510R17201STC	1(1)	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT	HARRIS
CD4086BFBH	M38510H17202BCA	1(1)	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
CD4086BFBR	M38510R17202BCA	1(1)	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
CD4086BFSH	M38510H17202SCA	1(1)	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
CD4086BFSR	M38510R17202SCA	1(1)	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
CD4086BQBH	M38510H17202BTC	1(1)	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
CD4086BQBR	M38510R17202BTC	1(1)	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
CD4086BQSH	M38510H17202STC	1(1)	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
CD4086BQSR	M38510R17202STC	1(1)	AND-OR-INVERT GATE, 4-WIDE 2-INPUT	HARRIS
CD4093BF3A	7704602CA		NAND GATE, QUAD 2-INPUT, WITH SCHMITT TRIGGERS	HARRIS
CD4093BMJ/883	7704601CA	1(0)	NAND GATE, QUAD 2-INPUT, WITH SCHMITT TRIGGERS	NATIONAL
CD4093BMW/883	7704601DA	1	NAND GATE, QUAD 2-INPUT, WITH SCHMITT TRIGGERS	NATIONAL
CD4094BF3A	7702501EA		SHIFT REGISTER/LATCH, 8-STAGE, 3-STATE OUTPUTS	HARRIS
CD4098BFB	M38510/17504BEA	1(1)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE/RESETTABLE	HARRIS
CD4098BFBR	M38510R17504BEA	1(1)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE/RESETTABLE	HARRIS
CD4098BQBR	M38510R17504BNC	1(1)	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE/RESETTABLE	HARRIS
CD4099BFB	M38510/17601BEA	1(1.5)	LATCH, 8-BIT ADDRESSABLE	HARRIS
CD4099BFBR	M38510R17601BEA	1(1.5)	LATCH, 8-BIT ADDRESSABLE	HARRIS
CD4099BQBR	M38510R17601BNC	1(1.5)	LATCH, 8-BIT ADDRESSABLE	HARRIS
CD4502BFB	M38510/17403BEA	1(1)	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	HARRIS
CD4502BFBR	M38510R17403BEA	1(1)	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	HARRIS
CD4502BFSR	M38510R17403SEA	1(1)	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	HARRIS
CD4502BQBR	M38510R17403BNC	1(1)	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	HARRIS
CD4502BQSR	M38510R17403SNC	1(1)	BUFFER/DRIVER, HEX, INVERTING, STROBED, WITH 3-STATE OUTPUTS	HARRIS
CD4515BF3A	7703201JA		DECODER, 4-TO-16-LINE, WITH LATCHED INPUTS	HARRIS
CD4520BF3A	7702301EA		BINARY COUNTER, DUAL UP/DOWN	HARRIS
CD4555BF3A	7704701EA		DECODER/DEMULTIPLEXER, DUAL 1-TO-4-LINE	HARRIS
CD4556BF3A	7704801EA		DECODER/DEMULTIPLEXER, DUAL 1-TO-4-LINE	HARRIS
CD4585BF3A	7703702EA		MAGNITUDE COMPARATOR, 4-BIT	HARRIS
CD54HC00F3A	8403701CA		NAND GATE, QUAD 2-INPUT	HARRIS
CD54HC02F3A	8404101CA		NOR GATE, QUAD 2-INPUT	HARRIS
CD54HC03F3A	5962-8764701CA		NAND GATE, QUAD 2-INPUT, WITH OPEN-DRAIN OUTPUTS	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD54HC04F3A	8409801CA		HEX INVERTER	HARRIS
CD54HC08F3A	8404701CA		AND GATE, QUAD 2-INPUT	HARRIS
CD54HC107F3A	5962-8515401CA		FLIP-FLOP, JK, DUAL, WITH RESET	HARRIS
CD54HC109F3A	8415001EA		FLIP-FLOP, JK, DUAL	HARRIS
CD54HC10F3A	8403801CA		NAND GATE, TRIPLE 3-INPUT	HARRIS
CD54HC112F3A	8408801EA		FLIP-FLOP, JK, DUAL, WITH SET AND RESET	HARRIS
CD54HC11F3A	8404801CA		AND GATE, TRIPLE 3-INPUT	HARRIS
CD54HC123F3A	5962-8684701EA		MULTIVIBRATOR, DUAL MONOSTABLE REGRIGGERABLE	HARRIS
CD54HC125F3A	5962-8772101CA		BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS (LOW ENABLE)	HARRIS
CD54HC126F3A	5962-8684801CA		BUFFER/DRIVER, QUAD, NONINVERTING, WITH 3-STATE OUTPUTS	HARRIS
CD54HC138F3A	8406201EA		DECODER, 3-TO-8-LINE	HARRIS
CD54HC139F3A	8409201EA		DECODER, DUAL 2-TO-4-LINE	HARRIS
CD54HC147F3A	8406401EA		PRIORITY ENCODER, 10-TO-4-LINE	HARRIS
CD54HC14F3A	8409101CA		HEX INVERTER, SCHMITT TRIGGER	HARRIS
CD54HC151F3A	8412801EA		DATA SEL/MULTIPLEXER, 8-INPUT, WITH ENABLE	HARRIS
CD54HC153F3A	8409301EA		DATA SEL/MULTIPLEXER, DUAL 4-INPUT	HARRIS
CD54HC154F3A	5962-8682201JA		DECODER, 4-TO-16-LINE	HARRIS
CD54HC157F3A	5962-8606101EA		DATA SEL/MULTIPLEXER, QUAD 2-INPUT	HARRIS
CD54HC158F3A	5962-8682301EA		DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTED OUTPUTS	HARRIS
CD54HC160F3A	5962-8682401EA		DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS RESET	HARRIS
CD54HC161F3A	8407501EA		BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR	HARRIS
CD54HC162F3A	8409401EA		DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS RESET	HARRIS
CD54HC163F3A	8607601EA		BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR	HARRIS
CD54HC164F3A	8416201CA		SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT	HARRIS
CD54HC165F3A	8409501EA		SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT	HARRIS
CD54HC173F3A	5962-8682501EA		FLIP-FLOP, D-TYPE, 4-BIT, WITH 3-STATE OUTPUTS	HARRIS
CD54HC174F3A	8407301EA		FLIP-FLOP, D-TYPE, HEX, WITH CLEAR	HARRIS
CD54HC175F3A	8408901EA		FLIP-FLOP, D-TYPE, 4-BIT	HARRIS
CD54HC190F3A	5962-8994601EA		DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	HARRIS
CD54HC191F3A	5962-8689101EA		BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH PRESET	HARRIS
CD54HC192F3A	5962-8780601EA		DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH ASYNCHRONOUS RESET	HARRIS
CD54HC193F3A	5962-8772401EA		BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD54HC194F3A	5962-8682601EA		SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL	HARRIS
CD54HC195F3A	5962-8682701EA		SHIFT REGISTER, 4-BIT PARALLEL	HARRIS
CD54HC20F3A	8403901CA		NAND GATE, DUAL 4-INPUT	HARRIS
CD54HC21F3A	5962-8857601CA		AND GATE, DUAL 4-INPUT	HARRIS
CD54HC221F3A	5962-8780501EA		MULTIVIBRATOR, DUAL MONOSTABLE NON-RETRIGGERABLE, WITH RESET	HARRIS
CD54HC237F3A	5962-8860601EA		DECODER/DEMULTIPLEXER, 3-TO-8-LINE, WITH ADDRESS LATCH	HARRIS
CD54HC238F3A	5962-8688401EA		DECODER/DEMULTIPLEXER, 3-TO-8-LINE	HARRIS
CD54HC240F3A	8407401RA		BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	HARRIS
CD54HC243F3A	8409001CA		BUS TRANSCEIVER, QUAD, BIDIRECTIONAL, WITH 3-STATE OUTPUTS	HARRIS
CD54HC244F3A	8409601RA		BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	HARRIS
CD54HC245F3A	8408501RA		BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	HARRIS
CD54HC251F3A	8512501EA		DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	HARRIS
CD54HC257F3A	8512401EA		DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	HARRIS
CD54HC27F3A	8404201CA		NOR GATE, TRIPLE 3-INPUT	HARRIS
CD54HC280F3A	8607701CA		PARITY GENERATOR/CHECKER, 9-BIT ODD/EVEN	HARRIS
CD54HC283F3A	5962-8976501EA		ADDER, 4-BIT BINARY, WITH FAST CARRY	HARRIS
CD54HC297F3A	5962-8999001EA		FILTER, PHASE-LOCKED LOOP	HARRIS
CD54HC299F3A	5962-8780601RA		SHIFT REGISTER, 8-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	HARRIS
CD54HC30F3A	8404001CA		NAND GATE, 8-INPUT	HARRIS
CD54HC32F3A	8404501CA		OR GATE, QUAD 2-INPUT	HARRIS
CD54HC365F3A	8500101EA		BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	HARRIS
CD54HC366F3A	5962-8682801EA		BUFFER/DRIVER, HEX, INVERTING, WITH COMMON ENABLES AND 3-STATE OUTPUTS	HARRIS
CD54HC367F3A	8500201EA		BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	HARRIS
CD54HC368F3A	5962-8681201EA		BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	HARRIS
CD54HC373F3A	8407201RA		LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	HARRIS
CD54HC374F3A	8407101RA		FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	HARRIS
CD54HC377F3A	5962-8780701RA		FLIP-FLOP, D-TYPE, 8-BIT, WITH ENABLE	HARRIS
CD54HC393F3A	8410001CA		BINARY COUNTER, DUAL 4-BIT	HARRIS
CD54HC4002F3A	8404401CA		NOR GATE, DUAL 4-INPUT	HARRIS
CD54HC40103F3A	5962-9055301EA		BINARY COUNTER, 8-BIT SYNCHRONOUS	HARRIS
CD54HC4015F3A	5962-8995301EA		SHIFT REGISTER, DUAL 4-STAGE	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD54HC4017F3A	8601101EA		DECADE COUNTER/DIVIDER	HARRIS
CD54HC4020F3A	8500301EA		BINARY COUNTER, 14-STAGE RIPPLE	HARRIS
CD54HC4024F3A	8601201CA		BINARY COUNTER, 7-STAGE RIPPLE	HARRIS
CD54HC4046AF3A	5962-8960901EA		PHASE-LOCKED LOOP, WITH VOLTAGE-CONTROLLED OSCILLATOR	HARRIS
CD54HC4049F3A	5962-8681901EA		BUFFER, HEX INVERTING LOGIC LEVEL CONVERTER	HARRIS
CD54HC4050F3A	5962-8682001EA		CONVERTER, HEX LOGIC LEVEL DOWN	HARRIS
CD54HC4052F3A	5962-8855601EA		ANALOG MULTIPLEXER/DEMULTIPLEXER, DOUBLE-POLE, FOUR-POSITION	HARRIS
CD54HC4053F3A	5962-8775401EA		ANALOG MULTIPLEXER/DEMULTIPLEXER	HARRIS
CD54HC4059F3A	5962-8944501JA		COUNTER, PROGRAMMABLE DIVIDE-BY-N	HARRIS
CD54HC4060F3A	5962-8768001EA		BINARY COUNTER, 14-STAGE	HARRIS
CD54HC4075F3A	5962-8772201CA		OR GATE, TRIPLE 3-INPUT	HARRIS
CD54HC42F3A	5962-8682101EA		DECODER, BCD-TO-DECIMAL	HARRIS
CD54HC4511F3A	5962-8773301EA		DECODER/DRIVER, BCD-TO-SEVEN-SEGMENT	HARRIS
CD54HC4520F3A	5962-8995401EA		COUNTER, DUAL SYNCHRONOUS	HARRIS
CD54HC4538F3A	5962-8688601EA		MULTIBIBRATOR, DUAL MONOSTABLE RETRIGGERABLE, PRECISION	HARRIS
CD54HC533F3A	5962-8681301RA		LATCH, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	HARRIS
CD54HC534F3A	5962-8681401RA		FLIP-FLOP, D-TYPE, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	HARRIS
CD54HC563F3A	5962-8606201RA		LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	HARRIS
CD54HC564F3A	5962-8681501RA		FLIP-FLOP, D-TYPE, 8-BIT, EDGE-TRIGGERED, WITH INVERTED 3-STATE OUTPUTS	HARRIS
CD54HC573F3A	8512801RA		LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	HARRIS
CD54HC597F3A	5962-8681701EA		SHIFT REGISTER, 8-BIT, WITH INPUT LATCHES	HARRIS
CD54HC640F3A	5962-8780901RA		BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	HARRIS
CD54HC646F3A	5962-8688501JA		BUS TRANSCEIVER/REGISTER, 8-BIT, WITH 3-STATE OUTPUTS	HARRIS
CD54HC688F3A	5962-8681801RA		MAGNITUDE COMPARATOR, 8-BIT	HARRIS
CD54HC7266F3A	8404302CA		EXCLUSIVE-NOR GATE, QUAD 2-INPUT	HARRIS
CD54HC73F3A	5962-8515301CA		FLIP-FLOP, JK, DUAL, WITH RESET	HARRIS
CD54HC74F3A	8405601CA		FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR	HARRIS
CD54HC75F3A	8407001EA		LATCH, DUAL 2-BIT, TRANSPARENT	HARRIS
CD54HC85F3A	8601301EA		MAGNITUDE COMPARATOR, 4-BIT	HARRIS
CD54HC86F3A	8404601CA		EXCLUSIVE-OR GATE, QUAD 2-INPUT	HARRIS
CD54HCT00F3A	5962-8683101CA		NAND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT02F3A	5962-8975101CA		NOR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
CD54HCT04F3A	5962-8974701CA		HEX INVERTER, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT08F3A	5962-8688301CA		AND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT107F3A	5962-9084901MCA		FLIP-FLOP, JK, DUAL, NEGATIVE-EDGE TRIGGERED, WITH RESET	HARRIS
CD54HCT109F3A	5962-9070101MEA		FLIP-FLOP, JK, DUAL, WITH SET AND RESET, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT10F3A	5962-8984301CA		NAND GATE, TRIPLE 3-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT112F3A	5962-8970201EA		FLIP-FLOP, JK, DUAL, WITH SET AND RESET, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT11F3A	5962-8970901CA		AND GATE, TRIPLE 3-INPUT, WITH TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT123F3A	5962-8970001EA		MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE, WITH RESETS, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT126F3A	5962-9065101MCA		BUFFER, QUAD, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT132F3A	5962-8984501CA		NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT138F3A	8550401EA		DECODER, 3-TO-8-LINE	HARRIS
CD54HCT14F3A	5962-8689001CA		HEX INVERTER, SCHMITT TRIGGER, WITH TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT151F3A	5962-9065201MEA		DATA SEL/MULTIPLEXER, 8-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT153F3A	5962-9050501MEA		DATA SEL/MULTIPLEXER, DUAL 4-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT154F3A	5962-8670101JA		DECODER, 4-TO-16-LINE	HARRIS
CD54HCT157F3A	5962-9070201MEA		DATA SEL/MULTIPLEXER, QUAD 2-INPUT, NONINVERTING, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT158F3A	5962-9070301MEA		DATA SEL/MULTIPLEXER, QUAD 2-INPUT, INVERTING, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT160F3A	5962-9070501MEA		DECADE COUNTER, ASYNCHRONOUS RESET, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT161F3A	5962-8685401EA		BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNC. CLEAR AND LSTTL-COMPATIBLE INPUTS	HARRIS
CD54HCT162F3A	5962-8970701EA		DECADE COUNTER, 4-BIT SYNCHRONOUS RESET, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT164F3A	5962-8970401CA		SHIFT REGISTER, 8-BIT SERIAL-IN, PARALLEL-OUT, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT165F3A	5962-8685501FA		SHIFT REGISTER, 8-BIT PARALLEL-IN, SERIAL-OUT, WITH LSTTL-COMPATIBLE INPUTS	HARRIS
CD54HCT173F3A	5962-8875901EA		FLIP-FLOP, D-TYPE, 4-BIT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT174F3A	5962-8974301EA		FLIP-FLOP, D-TYPE, HEX, WITH RESET, TTL COMPATIBLE-INPUTS	HARRIS
CD54HCT175F3A	5962-8970101EA		FLIP-FLOP, D-TYPE, 4-BIT, WITH RESET, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT191F3A	5962-8867101EA		BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT193F3A	5962-9084801MEA		BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE,	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			ASYNCHRONOUS RESET. TTL-COMPT.	
CD54HCT238F3A	5962-8974501EA		DECODER/DEMULTIPLEXER, 3-TO-8-LINE, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT240F3A	8550501RA		BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	HARRIS
CD54HCT244F3A	8513001RA		BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	HARRIS
CD54HCT245F3A	8550601RA		BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	HARRIS
CD54HCT251F3A	5962-9052401MEA		DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT257F3A	5962-8970501EA		DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH NONINVERTING 3-STATE OUTPU	HARRIS
CD54HCT258F3A	5962-8970801EA		DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTING 3-STATE OUTPUTS, TT	HARRIS
CD54HCT259F3A	5962-8985201EA		LATCH, 8-BIT ADDRESSABLE, TTL-COMPATIBLE	HARRIS
CD54HCT273F3A	5962-8772501RA		FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT27F3A	5962-8970301CA		NOR GATE, TRIPLE 3-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT299F3A	5962-8943601MRA		SHIFT REGISTER, 8-BIT UNIVERSAL, WITH 3-STATE OUTPUTS	HARRIS
CD54HCT30F3A	5962-8974601CA		NAND GATE, 8-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT32F3A	5962-8685201CA		OR GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT367F3A	5962-9070601MEA		BUFFER/LINE DRIVER, HEX, NONINVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT373F3A	5962-8686701RA		LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT377F3A	5962-8976901RA		FLIP-FLOP, D-TYPE, 8-BIT, WITH DATA ENABLE, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT390F3A	5962-9098401MEA		DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS	HARRIS
CD54HCT393F3A	5962-8989001CA		BINARY COUNTER, DUAL 4-STAGE, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT40102F3A	5962-9057401EA		BCD COUNTER, 8-BIT SYNCHRONOUS DOWN, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT4017F3A	5962-9059701MEA		DECADE COUNTER/DIVIDER, WITH 10 DECODED OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT4020F3A	5962-8945801EA		BINARY COUNTER, 14-STAGE RIPPLE, TTL COMPATIBLE INPUTS	HARRIS
CD54HCT4040F3A	5962-8994701MEA			HARRIS
CD54HCT4046AF3A	5962-8875701EA		PHASE-LOCKED LOOP WITH VOLTAGE-CONTROLLED OSCILLATOR	HARRIS
CD54HCT4051F3A	5962-9065401MEA		ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT4052F3A	5962-9163001MEA		ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL DIFFERENTIAL, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT4059F3A	5962-8862401JA		COUNTER, PROGRAMMABLE DIVIDE-BY-N, WITH TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT4060F3A	5962-8977101EA		BINARY COUNTER, 14-STAGE, WITH OSCILLATOR AND TTL	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			COMPATIBLE INPUTS	
CD54HCT534F3A	5962-8984901RA		FLIP-FLOP, D-TYPE, 8-BIT, POS. EDGE-TRIGGERED, WITH INVERTING 3-STATE OUTPUTS	HARRIS
CD54HCT573F3A	5962-8685601RA		LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS, LSTTL-COMPATIBLE INPUTS	HARRIS
CD54HCT574F3A	5962-8974201RA		FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	HARRIS
CD54HCT640F3A	5962-8974001RA		BUS TRANSCEIVER, 8-BIT, INVERTING, W/3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT688F3A	5962-8685701RA		MAGNITUDE COMPARATOR, 8-BIT, WITH LSTTL-COMPATIBLE INPUTS	HARRIS
CD54HCT74F3A	5962-8685301CA		FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR WITH LSTTL-COMPATIBLE INPUTS	HARRIS
CD54HCT75F3A	5962-9075801MEA		LATCH, DUAL 2-BIT, BISTABLE, TRANSPARENT, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCT85F3A	5962-8867201EA		MAGNITUDE COMPARATOR, 4-BIT	HARRIS
CD54HCT86F3A	5962-8984401CA		EXCLUSIVE-OR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS	HARRIS
CD54HCU04F3A	8601001CA		HEX INVERTER, UNBUFFERED	HARRIS
DC4502BF3A	7702002EA	2		HARRIS
DG201	M38510/12302BEA	1(.5)	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
DG300	M38510/11601BCA	1(.3)	ANALOG SWITCH, SPST, 2-CHANNEL	HARRIS
DG301	M38510/11602BCA	1(.4)	ANALOG SWITCH, SPDT, 1-CHANNEL	HARRIS
DG302	M38510/11603BCA	1(.4)	ANALOG SWITCH, DPST, 2-CHANNEL	HARRIS
DG303	M38510/11604BCA	1(.4)	ANALOG SWITCH, SPDT, 2-CHANNEL	HARRIS
DG401AK	5962-9056901EA	2	ANALOG SWITCH, SPST, 2-CHANNEL	HARRIS
DG403AK	5962-8976301MEA	2	ANALOG SWITCH, SPDT, 2-CHANNEL	HARRIS
DG405AK	5962-8996101EA	2	ANALOG SWITCH, DPST, 2-CHANNEL	HARRIS
DG408AK	5962-9204201MEA	2	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS
DG409AK	5962-9204202MEA	2	ANALOG MULTIPLEXER/DEMULTIPLEXER, DUAL 4-CHANNEL	HARRIS
DG411AK	5962-9073101MEA	2	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
DG412AK	5962-9073102MEA	2	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
DG413AK	5962-9073103MEA	2	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
DG441AK	5962-9204101MEA	2	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
DG442AK	5962-9204102MEA	2	ANALOG SWITCH, SPST, 4-CHANNEL	HARRIS
DM54LS154FJ/883B	8301701JA	1	DECODER/DEMULTIPLEXER, 4-TO-16-LINE	NATIONAL
DM54LS502J/883	5962-9080001MEA	1	REGISTER, 8-BIT SUCCESSIVE APPROXIMATION	NATIONAL
DM54LS502W/883	5962-9080001MFA	1	REGISTER, 8-BIT SUCCESSIVE APPROXIMATION	NATIONAL
DP8572AMD/883	5962-9164101MJA	1	REAL TIME CLOCK	NATIONAL
DS0026H/883	7800802GA	3	CLOCK DRIVER, MOS	NATIONAL
DS0026J/883	7800802CA	3	CLOCK DRIVER, MOS	NATIONAL
DS0056H/883	7800801GA	3	CLOCK DRIVER, MOS, DUAL, WITH VBB CONNECTION	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
DS1631H/883	5962-8863101GA	1	PERIPHERAL DRIVER, DUAL AND, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
DS1631J-8/883	5962-8863101PA	1	PERIPHERAL DRIVER, DUAL AND, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
DS1632H/883	5962-9052201GA	1(0)	PERIPHERAL DRIVER, DUAL NAND, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
DS1632J-8/883	5962-9052201PA	1(0)	PERIPHERAL DRIVER, DUAL NAND, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
DS1632J-8/883	5962-9052201PA	1(0)		NATIONAL
DS1634H/883	5962-8982101GA	1	PERIPHERAL DRIVER, DUAL NOR, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
DS1634J-8/883	5962-8982101PA	1	PERIPHERAL DRIVER, DUAL NOR, CMOS-COMPATIBLE, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
DS16F95E/883	5962-89615012A	1	BUS TRANSCEIVER, DIFFERENTIAL, RS485	NATIONAL
DS16F95J/883	5962-8961501PA	1(0)	BUS TRANSCEIVER, DIFFERENTIAL, RS485	NATIONAL
DS16F95W/883	5962-8961501HA	1	BUS TRANSCEIVER, DIFFERENTIAL, RS485	NATIONAL
DS1776E/883	5962-9231701M3A	1(0)	BUS TRANSCEIVER, 8-BIT, PI-BUS	NATIONAL
DS1776J/883	5962-9231701MXA	1(0)	BUS TRANSCEIVER, 8-BIT, PI-BUS	NATIONAL
DS26C31ME/883	5962-9163901M2A	1	LINE DRIVER, QUAD DIFFERENTIAL	NATIONAL
DS26C31MJ/883	5962-9163901MEA	1	LINE DRIVER, QUAD DIFFERENTIAL	NATIONAL
DS26C31MW/883	5962-9163901MFA	1	LINE DRIVER, QUAD DIFFERENTIAL	NATIONAL
DS26C32AME/883	5962-9164001M2A	1	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
DS26C32AMJ/883	5962-9164001MEA	1	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
DS26C32AMW/883	5962-9164001MFA	1	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
DS26F31ME/883	5962-7802302M2A	1(0)	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	NATIONAL
DS26F31MJ/883	5962-7802302MEA	1(0)	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	NATIONAL
DS26F31MW/883	5962-7802302MFA	1(0)	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	NATIONAL
DS26F32ME/883	5962-7802005M2A	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
DS26F32MJ/883	5962-7802005MEA	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
DS26F32MW/883	5962-7802005MFA	1(0)	LINE RECEIVER, QUAD DIFFERENTIAL	NATIONAL
DS26LS31MJ/883	7802301MEA	2		NATIONAL
DS26LS31MJ/883	5962-7802301MEA	2	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	NATIONAL
DS26LS31MW/883	5962-7802301MFA	2	LINE DRIVER, QUAD DIFFERENTIAL, HIGH-SPEED	NATIONAL
DS26LS31MW/883	7802301MFA	2		NATIONAL
DS7820AJ/883	7900801CA	1	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
DS7820AW/883	7900801DA	1	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
DS7831J/883B	8004101EA	1(0)	LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL, W/OUTPUT DIODE CLAMPING	NATIONAL
DS7831W/883B	8004101FA	1	LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL, W/OUTPUT DIODE CLAMPING	NATIONAL
DS7832J/883B	8004102EA	1(0)	LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
DS7832W/883B	8004102FA	2	LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL	NATIONAL
DS78C120J/883	5962-8963001EA	1	LINE DRIVER, DUAL DIFFERENTIAL, CMOS-COMPATIBLE	NATIONAL
DS78C20J/883	5962-9321101MCA	1	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
DS9622ME/883	5962-87522012A	1	LINE RECEIVER, DUAL	NATIONAL
DS9622MJ/883	5962-8752201CA	1	LINE RECEIVER, DUAL	NATIONAL
DS9622MW/883	5962-8752201AA	1	LINE RECEIVER, DUAL	NATIONAL
DS9627MJ/883	5962-8978701MEA	1	LINE RECEIVER, DUAL	NATIONAL
DS9636AJ/883	5962-8752301PA	3	LINE RECEIVER, DUAL DIFFERENTIAL, PROGRAMMABLE SLEW RATE	NATIONAL
DS9637AMJ/883	5962-8752401PA	2	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
DS9638J/883	5962-8754601PA	2	LINE DRIVER, DUAL DIFFERENTIAL, HIGH-SPEED	NATIONAL
DS96F172ME/883	5962-9076501M2A	1	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE	NATIONAL
DS96F172MJ/883	5962-9076501MEA	1	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE	NATIONAL
DS96F173ME/883	5962-9076602M2A	1	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485	NATIONAL
DS96F173MJ/883	5962-9076602MEA	1	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485	NATIONAL
DS96F173MW/883	5962-9076602MFA	1	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485	NATIONAL
DS96F174ME/883	5962-9076502M2A	1	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE	NATIONAL
DS96F174MJ/883	5962-9076502MEA	1	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE	NATIONAL
DS96F174MW/883	5962-9076502MFA	1	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE	NATIONAL
DS96F175FMJ-883	5962-9076601MEA	1	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485	NATIONAL
DS96F175ME/883	5962-9076601M2A	1	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485	NATIONAL
DS96F175MW/883	5962-9076601MFA	1	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485	NATIONAL
GATE ARRAY	M38510H60514B4A	1(1)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60514SMA	1(1)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60514S4A	1(1)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60514BMA	1(1)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510/60708BZC	1(1)	GATE ARRAY, SEMICUSTOM (7,001 - 8,000 GATES)	UTMC
GATE ARRAY	M38510/60708BZA	1(1)	GATE ARRAY, SEMICUSTOM (7,001 - 8,000 GATES)	UTMC
GATE ARRAY	M38510/60711BZC	1(1)	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC
GATE ARRAY	M38510/60711BZA	1(1)	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC
GATE ARRAY	M38510/60711BTA	1(1)	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC
GATE ARRAY	M38510/60711BTC	1(1)	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC
GATE ARRAY	M38510H60714BTA	1(1)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60714SMA	1(1)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60714BNA	1(1)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60714BMA	1(1)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60714SNA	1(1)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60714STA	1(1)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
GATE ARRAY	M38510H60717S5C	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717S4C	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717STC	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717SMA	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717SMC	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717B5C	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717STA	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717BTC	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717BMA	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717BMC	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717B4C	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717S6C	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717B6C	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60717BTA	1(1)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510/60504BQA	1(1)	GATE ARRAY, SEMICUSTOM (3,001 - 4,000 GATES)	UTMC
GATE ARRAY	M38510/60604BYC	1(0)	GATE ARRAY, SEMICUSTOM (3,001 - 4,000 GATES)	UTMC
GATE ARRAY	M38510/60604BYA	1(0)	GATE ARRAY, SEMICUSTOM (3,001 - 4,000 GATES)	UTMC
GATE ARRAY	M38510/60604BXA	1(0)	GATE ARRAY, SEMICUSTOM (3,001 - 4,000 GATES)	UTMC
GATE ARRAY	M38510/60604BXC	1(0)	GATE ARRAY, SEMICUSTOM (3,001 - 4,000 GATES)	UTMC
GATE ARRAY	M38510/60606BZA	1(0)	GATE ARRAY, SEMICUSTOM (5,001 - 6,000 GATES)	UTMC
GATE ARRAY	M38510/60606BZC	1(0)	GATE ARRAY, SEMICUSTOM (5,001 - 6,000 GATES)	UTMC
GATE ARRAY	M38510/60606BYA	1(0)	GATE ARRAY, SEMICUSTOM (5,001 - 6,000 GATES)	UTMC
GATE ARRAY	M38510/60606BYC	1(0)	GATE ARRAY, SEMICUSTOM (5,001 - 6,000 GATES)	UTMC
GATE ARRAY	M38510/60608BZA	1(0)	GATE ARRAY, SEMICUSTOM (7,001 - 8,000 GATES)	UTMC
GATE ARRAY	M38510/60608BNA	1(0)	GATE ARRAY, SEMICUSTOM (7,001 - 8,000 GATES)	UTMC
GATE ARRAY	M38510/60608BYA	1(0)	GATE ARRAY, SEMICUSTOM (7,001 - 8,000 GATES)	UTMC
GATE ARRAY	M38510/60611BNA	1(0)	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC
GATE ARRAY	M38510/60611BNC	1(0)	GATE ARRAY, SEMICUSTOM (10,001 - 11,000 GATES)	UTMC
GATE ARRAY	M38510H60614BMA	1(0)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60614BYA	1(0)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60614SYA	1(0)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60614BNA	1(0)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60614S4A	1(0)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60614B4A	1(0)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60614SMA	1(0)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60614SNA	1(0)	GATE ARRAY, SEMICUSTOM (15,001 - 25,000 GATES)	UTMC
GATE ARRAY	M38510H60617S5A	1(0)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
GATE ARRAY	M38510H60617SZC	1(0)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60617BZA	1(0)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60617BZC	1(0)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60617B5A	1(0)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60617B5C	1(0)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60617S5C	1(0)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510H60617SZA	1(0)	GATE ARRAY, SEMICUSTOM (45,001 - 55,000 GATES)	UTMC
GATE ARRAY	M38510/60811BZA	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60814BMA	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60814SMA	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60814BZA	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60814BYA	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60814SYA	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60814SZA	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60817S7C	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60817SZA	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60817SZC	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60817S7A	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60817BZA	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60817B7C	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60817B7A	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
GATE ARRAY	M38510H60817BZC	1(1)	GATE ARRAY, SEMICUSTOM	UTMC
H14-506/883	5962-85131073A		ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL	HARRIS
HA -2640/883	7800302PA		OP AMP, HIGH-VOLTAGE	HARRIS
HA -2640/883	78003022A		OP AMP, HIGH-VOLTAGE	HARRIS
HA-2500	M38510/12204BGA	1(.4)	OP AMP, PRECISION	HARRIS
HA-2500	M38510/12204BPA	1(.4)	OP AMP, PRECISION	HARRIS
HA-2510	M38510/12205BPA	1(.4)	OP AMP, HIGH-SPEED	HARRIS
HA-2510	M38510/12205BGA	1(.4)	OP AMP, HIGH-SPEED	HARRIS
HA-2520	M38510/12206BPA	1(.5)	OP AMP, HIGH-SPEED	HARRIS
HA-2520	M38510/12206BGA	1(.5)	OP AMP, HIGH-SPEED	HARRIS
HA-2600	M38510/12202BGA	1(.4)	OP AMP, WIDEBAND	HARRIS
HA-2600	M38510/12202BPA	1(.4)	OP AMP, WIDEBAND	HARRIS
HA-2620	M38510/12203BPA	1(.4)	OP AMP, WIDEBAND	HARRIS
HA-2620	M38510/12203BGA	1(.4)	OP AMP, WIDEBAND	HARRIS
HA1-2400/883	5962-8778301EA		OP AMP, 4-CHANNEL PROGRAMMABLE	HARRIS
HA1-2420/883	8001601CA		SAMPLE AND HOLD AMPLIFIER	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
HA1-2444/883	5962-9309501MEA		OP AMP, FOUR-CHANNEL, SELECTABLE VIDEO	HARRIS
HA1-2539/883	5962-8778701CA		OP AMP, WIDEBAND, HIGH SLEW RATE	HARRIS
HA1-2540/883	5962-8964801CA		OP AMP, WIDEBAND	HARRIS
HA1-2546/883	5962-9325101MEA		MULTIPLIER, 2-QUADRANT	HARRIS
HA1-4902/883	5962-8686001EA		VOLT. COMPARATOR, QUAD, PRECISION	HARRIS
HA1-5104/883	5962-8850201CA		OP AMP, QUAD, LOW-NOISE	HARRIS
HA1-5114/883	5962-8963401CA		OP AMP, QUAD, LOW-NOISE UNCOMPENSATED	HARRIS
HA1-5144/883	5962-8965603CA		OP AMP, QUAD, LOW-POWER	HARRIS
HA1-5190/883	5962-8778401CA		OP AMP, WIDEBAND, FAST SETTLING	HARRIS
HA1-5330/883	5962-8767701CA		SAMPLE AND HOLD AMPLIFIER	HARRIS
HA1-5340/883	5962-9306301MCA		SAMPLE AND HOLD AMPLIFIER	HARRIS
HA2-2520/883	5962-8988002GC		OP AMP, HIGH-SPEED	HARRIS
HA2-2522/883	5962-8988001GC		OP AMP, HIGH-SPEED	HARRIS
HA2-2529/883	5962-8972101GC		OP AMP, HIGH-CURRENT, HIGH-SPEED	HARRIS
HA2-2541/883	5962-8778501XA		OP AMP, WIDEBAND, FAST SETTLING, UNITY GAIN STABLE	HARRIS
HA2-2542	5962-8964301XC	1	OP AMP, WIDEBAND, HIGH SLEW RATE, HIGH OUTPUT CURRENT	HARRIS
HA2-2544/883	5962-8950201GC		OP AMP, VIDEO	HARRIS
HA2-2640/883	7800302GC		OP AMP, HIGH-VOLTAGE	HARRIS
HA2-5002/883	5962-8963601GC		CURRENT BUFFER, WIDEBAND, HIGH OUTPUT	HARRIS
HA2-5033/883	5962-8963301XC		BUFFER AMPLIFIER, HIGH-SPEED VIDEO	HARRIS
HA2-5102/883	5962-8954801GC		OP AMP, DUAL, LOW-NOISE	HARRIS
HA2-5111/883	5962-8963101GC		OP AMP, LOW-NOISE, UNCOMPENSATED	HARRIS
HA2-5112/883	5962-8963201GC		OP AMP, DUAL, LOW-NOISE UNCOMPENSATED	HARRIS
HA2-5127/883	5962-8962701GC		OP AMP, 7.0 V/μS	HARRIS
HA2-5137/883	5962-8962702GC		OP AMP, 14 V/μS	HARRIS
HA2-5142/883	5962-8965602GC		OP AMP, DUAL, LOW-POWER	HARRIS
HA2-5147/883	5962-8962703GC		OP AMP, 28 V/μS	HARRIS
HA2-5190/883	5962-8778401XC		OP AMP, WIDEBAND, FAST SETTLING	HARRIS
HA4-2400/883	5962-87783012A		OP AMP, 4-CHANNEL PROGRAMMABLE	HARRIS
HA4-2420/883	80016012A		SAMPLE AND HOLD AMPLIFIER	HARRIS
HA4-2522/883	5962-89880012A		OP AMP, HIGH-SPEED	HARRIS
HA4-2529/883	5962-89721012A		OP AMP, HIGH-CURRENT, HIGH-SPEED	HARRIS
HA4-2539/883	5962-87787012A		OP AMP, WIDEBAND, HIGH SLEW RATE	HARRIS
HA4-2540/883	5962-89648012A		OP AMP, WIDEBAND	HARRIS
HA4-2544/883	5962-89502012A		OP AMP, VIDEO	HARRIS
HA4-2546/883	5962-9325101M2A		MULTIPLIER, 2-QUADRANT	HARRIS
HA4-4902/883	5962-86860012A		VOLT. COMPARATOR, QUAD, PRECISION	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
HA4-5002/883	5962-89636012A		CURRENT BUFFER, WIDEBAND, HIGH OUTPUT	HARRIS
HA4-5020/883	5962-89620012A		CURRENT FEEDBACK AMPLIFIER	HARRIS
HA4-5101/883	5962-89635012A		OP AMP, LOW-NOISE	HARRIS
HA4-5102/883	5962-89548012A		OP AMP, DUAL, LOW-NOISE	HARRIS
HA4-5104/883	5962-88502012A		OP AMP, QUAD, LOW-NOISE	HARRIS
HA4-5111/883	5962-89631012A		OP AMP, LOW-NOISE, UNCOMPENSATED	HARRIS
HA4-5112/883	5962-89632012A		OP AMP, DUAL, LOW-NOISE UNCOMPENSATED	HARRIS
HA4-5114/883	5962-89634012A		OP AMP, QUAD, LOW-NOISE UNCOMPENSATED	HARRIS
HA4-5127/883	5962-89627012A		OP AMP, 7.0 V/µS	HARRIS
HA4-5137/883	5962-89627022A		OP AMP, 14 V/µS	HARRIS
HA4-5142/883	5962-89656022A		OP AMP, DUAL, LOW-POWER	HARRIS
HA4-5144/883	5962-89656032A		OP AMP, QUAD, LOW-POWER	HARRIS
HA4-5147/883	5962-89627032A		OP AMP, 28 V/µS	HARRIS
HA4-5190/883	5962-87784012A		OP AMP, WIDEBAND, FAST SETTLING	HARRIS
HA4-5221/883	5962-9163401M2A		OP AMP	HARRIS
HA4-5330/883	5962-87677012A		SAMPLE AND HOLD AMPLIFIER	HARRIS
HA4-5340/883	5962-9306301M2A		SAMPLE AND HOLD AMPLIFIER	HARRIS
HA7-2520/883	5962-8988002PA		OP AMP, HIGH-SPEED	HARRIS
HA7-2522/883	5962-8988001PA		OP AMP, HIGH-SPEED	HARRIS
HA7-2529/883	5962-8972101PA		OP AMP, HIGH-CURRENT, HIGH-SPEED	HARRIS
HA7-2544/883	5962-8950201PA		OP AMP, VIDEO	HARRIS
HA7-5002/883	5962-8963601PA		CURRENT BUFFER, WIDEBAND, HIGH OUTPUT	HARRIS
HA7-5020/883	5962-8962001PA		CURRENT FEEDBACK AMPLIFIER	HARRIS
HA7-5101/883	5962-8963501PA		OP AMP, LOW-NOISE	HARRIS
HA7-5102/883	5962-8954801PA		OP AMP, DUAL, LOW-NOISE	HARRIS
HA7-5111/883	5962-8963101PA		OP AMP, LOW-NOISE, UNCOMPENSATED	HARRIS
HA7-5112/883	5962-8963201PA		OP AMP, DUAL, LOW-NOISE UNCOMPENSATED	HARRIS
HA7-5127/883	5962-8962701PA		OP AMP, 7.0 V/µS	HARRIS
HA7-5137/883	5962-8962702PA		OP AMP, 14 V/µS	HARRIS
HA7-5142/883	5962-8965602PA		OP AMP, DUAL, LOW-POWER	HARRIS
HA7-5147/883	5962-8962703PA		OP AMP, 28 V/µS	HARRIS
HA7-5221/883	5962-9163401MPA		OP AMP	HARRIS
HA7-5222/883	5962-9163402MPA		OP AMP, DUAL	HARRIS
HA7-5222/883	5962-9163402M2A		OP AMP, DUAL	HARRIS
HC6364/1XQHBC	5962H3829440Q9X	3	STATIC RAM, 8K X 8	HONEYWELL
HC6364/1XQHBT	5962H3829438Q9X	3	STATIC RAM, 8K X 8	HONEYWELL
HC6364/1XQHCC	5962H3829443Q9X	3	STATIC RAM, 8K X 8	HONEYWELL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
HC6364/1XQHCT	5962H3829442Q9X	3	STATIC RAM, 8K X 8	HONEYWELL
HC6364/1XVHBC	5962H3829440V9X	3	STATIC RAM, 8K X 8	HONEYWELL
HC6364/1XVHBT	5962H3829438V9X	3	STATIC RAM, 8K X 8	HONEYWELL
HC6364/1XVHCC	5962H3829443V9X	3	STATIC RAM, 8K X 8	HONEYWELL
HC6364/1XVHCT	5962H3829442V9X	3	STATIC RAM, 8K X 8	HONEYWELL
HC6856/1WQHAC	5962H9215307QUX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
HC6856/1WQHAT	5962H9215308QUX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
HC6856/1WQHZC	5962H9215305QUX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
HC6856/1WQHZT	5962H9215306QUX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
HC6856/1WQRAC	5962R9215307QUX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
HC6856/1WQRAT	5962R9215308QUX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
HC6856/1WQRZC	5962R9215305QUX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
HC6856/1WQRZT	5962R9215306QUX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
HC6856/1XQHAC	5962H9215307QZX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
HC6856/1XQHAT	5962H9215308QZX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
HC6856/1XQHZC	5962H9215305QZX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
HC6856/1XQHZT	5962H9215306QZX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
HC6856/1XQRAC	5962R9215307QZX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
HC6856/1XQRAT	5962R9215308QZX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	HONEYWELL
HC6856/1XQRZC	5962R9215305QZX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
HC6856/1XQRZT	5962R9215306QZX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	HONEYWELL
HD1-15530-8	7802901JA		MANCHESTER ENCODER/DECODER	HARRIS
HD1-15531/883	5962-9054901MQA		MANCHESTER ENCODER/DECODER, 1.25 MEGABIT/S	HARRIS
HD1-15531B/883	5962-9054902MQA		MANCHESTER ENCODER/DECODER, 2.50 MEGABIT/S	HARRIS
HD1-4702/883	5962-9051801MEA		RATE GENERATOR, PROGRAMMABLE BIT	HARRIS
HD1-6402B/883	5962-9052502MQA		RECEIVER TRANSMITTER, UNIVERSAL ASYNCHRONOUS, 8.0 MHZ	HARRIS
HD1-6402R/883	5962-9052501MQA		RECEIVER TRANSMITTER, UNIVERSAL ASYNCHRONOUS, 2.0 MHZ	HARRIS
HD1-6409/883	5962-9088801MRA		MANCHESTER ENCODER/DECODER	HARRIS
HD4-15530-8	78029013A		MANCHESTER ENCODER/DECODER	HARRIS
HD4-6409/883	5962-9088801M2A		MANCHESTER ENCODER/DECODER	HARRIS
HI-506	M38510/19001BXA	1(.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL	HARRIS
HI-506A	M38510/19002BXA	1(.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL, WITH OVERVOLTAGE PROTECTION	HARRIS
HI-507	M38510/19003BXA	1(.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL DIFFERENTIAL	HARRIS
HI-507A	M38510/19004BXA	1(.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS
HI-508	M38510/19007BEA	1(.3)	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
HI-508A	M38510/19005BEA	1(.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL, WITH OVERVOLTAGE PROTECTION	HARRIS
HI-509	M38510/19008BEA	1(.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, DUAL 4-CHANNEL	HARRIS
HI-509A	M38510/19006BEA	1(.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS
HI1-0201/883	7705302EA		ANALOG SWITCH, SPST, 4-CHANNEL, WITH DIELECTRIC ISOLATION	HARRIS
HI1-0201HS/883	5962-8671601EA		ANALOG SWITCH, SPST, 4-CHANNEL, HIGH-SPEED	HARRIS
HI1-0508/883	7705201EC		ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS
HI1-0548/883	7705202EA			HARRIS
HI1-5040/883	8100609EA		ANALOG SWITCH, SPST, 1-CHANNEL, 75 OHMS	HARRIS
HI1-5041/883	8100610EA		ANALOG SWITCH, SPDT, 2-CHANNEL, 75 OHMS	HARRIS
HI1-5042/883	8100611EA		ANALOG SWITCH, SPDT, 1-CHANNEL, 75 OHMS	HARRIS
HI1-5043/883	8100612EA		ANALOG SWITCH, SPDT, 2-CHANNEL, 30 OHMS	HARRIS
HI1-5044/883	8100613EA		ANALOG SWITCH, DPST, 1-CHANNEL, 30 OHMS	HARRIS
HI1-5045/883	8100614EA		ANALOG SWITCH, DPST, 2-CHANNEL, 75 OHMS	HARRIS
HI1-5046A/883	8100617EA		ANALOG SWITCH, DPDT, 1-CHANNEL, 30 OHMS	HARRIS
HI1-5047/883	8100616EA		ANALOG SWITCH, 4PST, 1-CHANNEL, 75 OHMS	HARRIS
HI1-5047A/883	8100618EA		ANALOG SWITCH, 4PST, 1-CHANNEL, 30 OHMS	HARRIS
HI1-5048/883	8100619EA		ANALOG SWITCH, SPST, 2-CHANNEL, 30 OHMS	HARRIS
HI1-5049/883	8100620EA		ANALOG SWITCH, DPST, 2-CHANNEL, 30 OHMS	HARRIS
HI1-5050/883	8100621EA		ANALOG SWITCH, SPDT, 1-CHANNEL, 30 OHMS	HARRIS
HI1-5051/883	8100622EA		ANALOG SWITCH, SPDT, 2-CHANNEL, 30 OHMS	HARRIS
HI1-506/883	5962-8513107XA		ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL	HARRIS
HI1-507/883	5962-8513108XA		ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS
HI1-509/883	5962-8513109EA		ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL	HARRIS
HI1-516/883	5962-8869901XA		ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL/8-CHANNEL DIFFERENTIAL	HARRIS
HI1-524/883	5962-8761801VA		ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL WIDEBAND VIDEO	HARRIS
HI1-546/883	5962-8513101XA		ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL, WITH OVERVOLTAGE PROTECTION	HARRIS
HI1-547/883	5962-8513102XA		ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS
HI1-549/883	5962-8513103EA		ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS
HI1-574ATD/883	5962-8512704XA		A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	HARRIS
HI1-574AUD/883	5962-8512703XA		A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	HARRIS
HI4-0201/883	77053022A		ANALOG SWITCH, SPST, 4-CHANNEL, WITH DIELECTRIC ISOLATION	HARRIS
HI4-0201HS/883	5962-86716012A		ANALOG SWITCH, SPST, 4-CHANNEL, HIGH-SPEED	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
HI4-0508/883	77052012A		ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS
HI4-0548/883	77052022A		ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL, WITH OVERVOLTAGE PROTECTION	HARRIS
HI4-5045/883	81006142A		ANALOG SWITCH, DPST, 2-CHANNEL, 75 OHMS	HARRIS
HI4-5049/883	81006202A		ANALOG SWITCH, DPST, 2-CHANNEL, 30 OHMS	HARRIS
HI4-5051/883	81006222A		ANALOG SWITCH, SPDT, 2-CHANNEL, 30 OHMS	HARRIS
HI4-507/883	5962-85131083A		ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	HARRIS
HI4-509/883	5962-85131092A		ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CHANNEL	HARRIS
HI4-516/883	5962-88699013A		ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL/8-CHANNEL DIFFERENTIAL	HARRIS
HI4-546/883	5962-85131013A		ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL, WITH OVERVOLTAGE PROTECTION	HARRIS
HI4-547/883	5962-85131023A		ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS
HI4-549/883	5962-85131032A		ANALOG MULTIPLEXER/DEMULTIPLEXER, 4-CH. DIFFERENTIAL, W/OVERVOLTAGE PROTECTION	HARRIS
HI4-574ATE/883	5962-8512704YA		A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	HARRIS
HI4-574AUE/883	5962-8512703YA		A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE	HARRIS
HM1-6504	M38510/24501BVA	1(.5)	STATIC RAM, 4K X 1, 300 NS ACCESS TIME	HARRIS
HM1-6504B/883	8102403VA		STATIC RAM, 4K X 1, 200 NS ACCESS TIME	HARRIS
HM1-6504S/883	8102401VA		STATIC RAM, 4K X 1, 120 NS ACCESS TIME	HARRIS
HM1-6514	M38510/24502BVA	1(.5)	STATIC RAM, 1K X 4, 300 NS ACCESS TIME	HARRIS
HM1-6514/883	8102406VA		STATIC RAM, 1K X 4, 300 NS ACCESS TIME	HARRIS
HM1-6514B/883	8102404VA		STATIC RAM, 1K X 4, 200 NS ACCESS TIME	HARRIS
HM1-6514S/883	8102402VA		STATIC RAM, 1K X 4, 120 NS ACCESS TIME	HARRIS
HM1-6516	M38510/29102BJA	1(.5)	STATIC RAM, 2K X 8, 200 NS ACCESS TIME	HARRIS
HM1-6516/883	8403601JA		STATIC RAM, 2K X 8, 200 NS ACCESS TIME	HARRIS
HM1-65162	M38510/29104BJA	1(1)	STATIC RAM, 2K X 8, 90 NS ACCESS TIME	HARRIS
HM1-65162/883	8403602JA		STATIC RAM, 2K X 8, 90 NS ACCESS TIME	HARRIS
HM1-65162B	M38510/29110BJA	1(1)	STATIC RAM, 2K X 8, 70 NS ACCESS TIME	HARRIS
HM1-65162B/883	8403606JA		STATIC RAM, 2K X 8, 70 NS ACCESS TIME	HARRIS
HM1-65162C/883	8403603JA		STATIC RAM, 2K X 8, 90 NS ACCESS TIME	HARRIS
HM1-6516B/883	8403607JA		STATIC RAM, 2K X 8, 120 NS ACCESS TIME	HARRIS
HM1-65262	M38510/29103BRA	1(1.5)	STATIC RAM, 16K X 1, 85 NS ACCESS TIME	HARRIS
HM1-65262/883	8413201RA		STATIC RAM, 16K X 1, 85 NS ACCESS TIME	HARRIS
HM1-65262B	M38510/29109BRA	1(1.5)	STATIC RAM, 16K X 1, WITH 3-STATE OUTPUTS	HARRIS
HM1-65262B/883	8413203RA		STATIC RAM, 16K X 1, 70 NS ACCESS TIME	HARRIS
HM1-65642	M38510/29205BXA	1(1)	STATIC RAM, 8K X 8, SELECTABLE MODE	HARRIS
HM1-6617/883	5962-8954001JA		PROM, 2K X 8, 140 NS ACCESS TIME	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
HM1-6617B/883	5962-8954002JA		PROM, 2K X 8, 105 NS ACCESS TIME	HARRIS
HM1-6642/883	5962-8869001JA		PROM, 512 X 8, 220 NS ACCESS TIME	HARRIS
HM1-6642B/883	5962-8869002JA		PROM, 512 X 8, 140 NS ACCESS TIME	HARRIS
HM4-6516/883	8403601ZA		STATIC RAM, 2K X 8, 200 NS ACCESS TIME	HARRIS
HM4-65162/883	8403602ZA		STATIC RAM, 2K X 8, 90 NS ACCESS TIME	HARRIS
HM4-65162B/883	8403606ZA		STATIC RAM, 2K X 8, 70 NS ACCESS TIME	HARRIS
HM4-65162C/883	8403603ZA		STATIC RAM, 2K X 8, 90 NS ACCESS TIME	HARRIS
HM4-6516B/883	8403607ZA		STATIC RAM, 2K X 8, 120 NS ACCESS TIME	HARRIS
HM4-65262/883	8413201YA		STATIC RAM, 16K X 1, 85 NS ACCESS TIME	HARRIS
HM4-65262B/883	8413203YA		STATIC RAM, 16K X 1, 70 NS ACCESS TIME	HARRIS
HM4-6617/883	5962-8954001XA		PROM, 2K X 8, 140 NS ACCESS TIME	HARRIS
HM4-6617B/883	5962-8954002XA		PROM, 2K X 8, 105 NS ACCESS TIME	HARRIS
HM4-6642/883	5962-88690013A		PROM, 512 X 8, 220 NS ACCESS TIME	HARRIS
HM4-6642B/883	5962-88690023A		PROM, 512 X 8, 140 NS ACCESS TIME	HARRIS
HM6-6617/883	5962-8954001LA		PROM, 2K X 8, 140 NS ACCESS TIME	HARRIS
HM6-6617B/883	5962-8954002LA		PROM, 2K X 8, 105 NS ACCESS TIME	HARRIS
HM6-6642/883	5962-8869001LA		PROM, 512 X 8, 220 NS ACCESS TIME	HARRIS
HM6-6642B/883	5962-8869002LA		PROM, 512 X 8, 140 NS ACCESS TIME	HARRIS
HPC003U20/883	5962-9054401MYA	1	MICROCONTROLLER, HIGH PERFORMANCE	NATIONAL
HPC083XXX/U/883	5962-9054402MYA	1	MICROCONTROLLER. HIGH PERFORMANCE	NATIONAL
HS1-3182/883	5962-8687901EA		LINE DRIVER, ARINC BUS INTERFACE	HARRIS
HS1-3282/883	5962-8688001QA		BUS INTERFACE CIRCUIT, ARINC	HARRIS
HS4-3182/883	5962-86879013A		LINE DRIVER, ARINC BUS INTERFACE	HARRIS
HS4-3282/883	5962-8688001XA		BUS INTERFACE CIRCUIT, ARINC	HARRIS
HSP43891GM-25/883	5962-9209702MXC		FILTER, DIGITAL	HARRIS
HSP48908GM-20/883	5962-9300701MXC		CONVOLVER, TWO-DIMENSIONAL	HARRIS
IBM2561C-Q40X	5962H9312803QXX	2	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
IBM2561C-Q40Y	5962H9312803QYX	2	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
IBM2561C-Q60X	5962H9312801QXX	2	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
IBM2561C-Q60Y	5962H9312801QYX	2	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
IBM2561C-Q60Y	5962H9312801VYX	2	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
IBM2561C-V40X	5962H9312803VXX	2	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
IBM2561C-V40Y	5962H9312803VYX	2	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
IBM2561C-V60X	5962H9312801VXX	2	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
IBM2561T-Q40X	5962H9312804QXX	2	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
IBM2561T-Q40Y	5962H9312804QYX	2	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
IBM2561T-Q60X	5962H9312802QXX	2	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
IBM2561T-Q60Y	5962H9312802QYX	2	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
IBM2561T-V40X	5962H9312804VXX	2	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
IBM2561T-V40Y	5962H9312804VYX	2	STATIC RAM, 256K X 1, 40 NS ACCESS TIME	IBM
IBM2561T-V60X	5962H9312802VXX	2	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
IBM2561T-V60Y	5962H9312802VYX	2	STATIC RAM, 256K X 1, 60 NS ACCESS TIME	IBM
IBM2568C-Q40I	5962H9215303QZX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
IBM2568C-Q40X	5962H9215303QXX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
IBM2568C-Q60X	5962H9215301QXX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
IBM2568C-Q60Y	5962H9215301QYX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
IBM2568C-V40I	5962H9215303VZX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
IBM2568C-V40X	5962H9215303VXX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
IBM2568C-V40Y	5962H9215303VYX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
IBM2568C-V60X	5962H9215301VXX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
IBM2568C-V60Y	5962H9215301VYX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
IBM2568T-Q40I	5962H9215304QZX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
IBM2568T-Q40X	5962H9215304QXX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
IBM2568T-Q40Y	5962H9215304QYX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
IBM2568T-Q60I	5962H9215302QZX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
IBM2568T-Q60X	5962H9215302QXX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
IBM2568T-Q60Y	5962H9215302QYX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
IBM2568T-V40I	5962H9215304VZX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
IBM2568T-V40X	5962H9215304VXX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
IBM2568T-V40Y	5962H9215304VYX	2	STATIC RAM, 32K X 8, 40 NS ACCESS TIME	IBM
IBM2568T-V60I	5962H9215302VZX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
IBM2568T-V60Y	5962H9215302VYX	2	STATIC RAM, 32K X 8, 60 NS ACCESS TIME	IBM
IBM6408C-Q55X	5962H3829444Q8X	1	STATIC RAM, 8K X 8	IBM
IBM6408C-V55X	5962H3829444V8X	1	STATIC RAM, 8K X 8	IBM
IBMAP1C-Q47F	5962H9210401QZX	1	ADDRESS PROCESSOR	IBM
IBMAP1C-V47F	5962H9210401VZX	1	ADDRESS PROCESSOR	IBM
IBMAP2C-Q45F	5962H9210601QZX	1	ADDRESS PROCESSOR	IBM
IBMAP2C-V45F	5962H9210601VZX	1	ADDRESS PROCESSOR	IBM
IBMFLPC-Q47F	5962H9210301QZX	1	MICROPROCESSOR, FLOATING-POINT	IBM
IBMFLPC-V47F	5962H9210301VZX	1	MICROPROCESSOR, FLOATING-POINT	IBM
IBMFXPC-Q49F	5962H9202601QZX	1		IBM
IBMFXPC-V49F	5962H9202601VZX	1		IBM
ICL7667MJA/883B	5962-8766001PA		DRIVER, MOSFET, DUAL POWER	HARRIS
ICL7667MTV/883B	5962-8766001GC		DRIVER, MOSFET, DUAL POWER	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
ICL8038AMJD/883B	5962-8877201CA		WAVEFORM GENERATOR/VOLTAGE-CONTROLLED OSCILLATOR, PRECISION	HARRIS
ICL8211MTY/883B	5962-8984201GC		VOLT. DETECTOR, PROGRAMMABLE	HARRIS
ICL8212MTY/883B	5962-8984202GC		VOLTAGE DETECTOR, PROGRAMMABLE, HIGH OUTPUT CURRENT	HARRIS
ICM7170MDG	5962-8765301JC	1	CLOCK, REAL-TIME, MICROPROCESSOR-COMPATIBLE	HARRIS
ICM7170MDG/883B	5962-8765301JA		CLOCK, REAL-TIME, MICROPROCESSOR-COMPATIBLE	HARRIS
ICM7555MTV/883B	5962-8950303GC		TIMER, LOW-POWER PRECISION	HARRIS
ICM7556MJD/883B	5962-8950304CA		TIMER, DUAL, LOW-POWER PRECISION	HARRIS
IH5040	M38510/10501BEA	1(0)	ANALOG SWITCH, SPST, 1-CHANNEL, 75 OHMS	HARRIS
IH5041	M38510/10502BEA	1(0)	ANALOG SWITCH, SPST, 2-CHANNEL, 75 OHMS	HARRIS
IH5042	M38510/10503BEA	1(0)	ANALOG SWITCH, SPDT, 1-CHANNEL, 75 OHMS	HARRIS
IH5043	M38510/10504BEA	1(0)	ANALOG SWITCH, SPDT, 2-CHANNEL, 75 OHMS	HARRIS
IH5043MJE	8100604EA		ANALOG SWITCH, SPDT, 2-CHANNEL, 75 OHMS	HARRIS
IH5044	M38510/10505BEA	1(.5)	ANALOG SWITCH, DPST, 1-CHANNEL, 75 OHMS	HARRIS
IH5045	M38510/10506BEA	1(0)	ANALOG SWITCH, DPST, 2-CHANNEL, 75 OHMS	HARRIS
IH5352MJE/883B	5962-8875001EA		ANALOG SWITCH, SPST, 4-CHANNEL, RF/VIDEO	HARRIS
JD2147H01	M38510/23801BVA	1	STATIC RAM, 4K X 1, WITH 3-STATE OUTPUTS	INTEL
JD2147H03	M38510/23803BVA	1	STATIC RAM, 4K X 1	INTEL
JD2147H05	M38510/23805BVA	1	STATIC RAM, 4K X 1	INTEL
JD2147H07	M38510/23807BVA	1	STATIC RAM, 4K X 1	INTEL
JD2148H06	M38510/23806BVA	1	STATIC RAM, 1K X 4	INTEL
JD27256-17	M38510/22403BYA	1	PROM, UV ERASABLE, 32K X 8, 170 NS ACCESS TIME	INTEL
JD27256-20	M38510/22402BYA	1	PROM, UV ERASABLE, 32K X 8, 200 NS ACCESS TIME	INTEL
JD27256-25	M38510/22401BYA	1	PROM, UV ERASABLE, 32K X 8, 250 NS ACCESS TIME	INTEL
JD5400BCA	M38510/00104BCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD5400BDA	M38510/00104BDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD5400SCA	M38510/00104SCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD5400SDA	M38510/00104SDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD5401BCA	M38510/00107BCA	1(0)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5401BDA	M38510/00107BDA	1(0)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5402BCA	M38510/00401BCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD5402BDA	M38510/00401BDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD5402SCA	M38510/00401SCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD5402SDA	M38510/00401SDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD5403BCA	M38510/00109BCA	1(0)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5404BCA	M38510/00105BCA	1(0)	HEX INVERTER	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD5404BDA	M38510/00105BDA	1(0)	HEX INVERTER	NATIONAL
JD5404SCA	M38510/00105SCA	1(0)	HEX INVERTER	NATIONAL
JD5404SDA	M38510/00105SDA	1(0)	HEX INVERTER	NATIONAL
JD5406BCA	M38510/00801BCA	1(0)	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5406BDA	M38510/00801BDA	1(0)	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5406SCA	M38510/00801SCA	1(0)	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5406SDA	M38510/00801SDA	1(0)	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5407BCA	M38510/00803BCA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5407BDA	M38510/00803BDA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5407SCA	M38510/00803SCA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5407SDA	M38510/00803SDA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54088CA	M38510/01601BCA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54088DA	M38510/01601BDA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD5409BCA	M38510/01602BCA	1(0)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5409BDA	M38510/01602BDA	1(0)	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5410BCA	M38510/00103BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD5410BDA	M38510/00103BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD5410SDA	M38510/00103SDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD541218CA	M38510/01201BCA	1(0)	MULTIVIBRATOR, MONOSTABLE	NATIONAL
JD541218DA	M38510/01201BDA	1(0)	MULTIVIBRATOR, MONOSTABLE	NATIONAL
JD5414BCA	M38510/15102BCA	1(0)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
JD5414BDA	M38510/15102BDA	1(0)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
JD54151BEA	M38510/01406BEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JD54151BFA	M38510/01406BFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JD54153BEA	M38510/01403BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD54153BFA	M38510/01403BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD54160BEA	M38510/01303BEA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
JD54160BFA	M38510/01303BFA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
JD54161BEA	M38510/01306BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54161SEA	M38510/01306SEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD5416BCA	M38510/00802BCA	1(0)	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5416BDA	M38510/00802BDA	1(0)	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
JD54174BEA	M38510/01701BEA	1(0)	FLIP-FLOP, D-TYPE, HEX	NATIONAL
JD54174BFA	M38510/01701BFA	1(0)	FLIP-FLOP, D-TYPE, HEX	NATIONAL
JD54175BEA	M38510/01702BEA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
JD54175BFA	M38510/01702BFA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
JD5417BCA	M38510/00804BCA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5417BDA	M38510/00804BDA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54180BCA	M38510/01901BCA	1(0)	PARITY GENERATOR/CHECKER, 8-BIT	NATIONAL
JD54180BDA	M38510/01901BDA	1(0)	PARITY GENERATOR/CHECKER, 8-BIT	NATIONAL
JD54194BEA	M38510/00905BEA	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
JD5420BCA	M38510/00102BCA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD5420BDA	M38510/00102BDA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD5426BCA	M38510/00805BCA	1(0)	BUFFER/DRIVER, QUAD 2-INPUT, INVERTING	NATIONAL
JD5426BDA	M38510/00805BDA	1(0)	BUFFER/DRIVER, QUAD 2-INPUT, INVERTING	NATIONAL
JD5430BCA	M38510/00101BCA	1(0)	NAND GATE, 8-INPUT	NATIONAL
JD5430BDA	M38510/00101BDA	1(0)	NAND GATE, 8-INPUT	NATIONAL
JD5437BCA	M38510/00302BCA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT	NATIONAL
JD5437BDA	M38510/00302BDA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT	NATIONAL
JD5438BCA	M38510/00303BCA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54388DA	M38510/00303BDA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5438SCA	M38510/00303SCA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5438SDA	M38510/00303SDA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5440BCA	M38510/00301BCA	1(0)	BUFFER/DRIVER, NAND, DUAL 4-INPUT	NATIONAL
JD5440BDA	M38510/00301BDA	1(0)	BUFFER/DRIVER, NAND, DUAL 4-INPUT	NATIONAL
JD5442BEA	M38510/01001BEA	1(0)	DECODER, BCD-TO-DECIMAL	NATIONAL
JD54428FA	M38510/01001BFA	1(0)	DECODER, BCD-TO-DECIMAL	NATIONAL
JD5447BEA	M38510/01007BEA	1(0)	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD5474BCA	M38510/00205BCA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD5474BDA	M38510/00205BDA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD5483BEA	M38510/00602BEA	1(0)	ADDER, 4-BIT	NATIONAL
JD5483BFA	M38510/00602BFA	1(0)	ADDER, 4-BIT	NATIONAL
JD5486BCA	M38510/00701BCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD5486BDA	M38510/00701BDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD5495BCA	M38510/00901BCA	1(0)	SHIFT REGISTER, 4-BIT	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD5495BDA	M38510/00901BDA	1(0)	SHIFT REGISTER, 4-BIT	NATIONAL
JD54F00B2A	M38510/33001B2A	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54F00BCA	M38510/33001BCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54F00BDA	M38510/33001BDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54F00SCA	M38510/33001SCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54F00SDA	M38510/33001SDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54F02B2A	M38510/33301B2A	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54F02BCA	M38510/33301BCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54F02BDA	M38510/33301BDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54F02SCA	M38510/33301SCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54F02SDA	M38510/33301SDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54F04B2A	M38510/33002B2A	1(0)	HEX INVERTER	NATIONAL
JD54F04BCA	M38510/33002BCA	1(0)	HEX INVERTER	NATIONAL
JD54F04BDA	M38510/33002BDA	1(0)	HEX INVERTER	NATIONAL
JD54F04SCA	M38510/33002SCA	1(0)	HEX INVERTER	NATIONAL
JD54F04SDA	M38510/33002SDA	1(0)	HEX INVERTER	NATIONAL
JD54F08B2A	M38510/34001B2A	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54F08BCA	M38510/34001BCA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54F08BDA	M38510/34001BDA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54F08SCA	M38510/34001SCA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54F08SDA	M38510/34001SDA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54F109B2A	M38510/34102B2A	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL
JD54F109BEA	M38510/34102BEA	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL
JD54F109BFA	M38510/34102BFA	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL
JD54F10B2A	M38510/33003B2A	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54F10BCA	M38510/33003BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54F10BDA	M38510/33003BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54F10SCA	M38510/33003SCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54F10SDA	M38510/33003SDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54F11B2A	M38510/34002B2A	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54F11BCA	M38510/34002BCA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54F11BDA	M38510/34002BDA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54F11SCA	M38510/34002SCA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54F11SDA	M38510/34002SDA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54F138B2A	M38510/33701B2A	1(0)	DECODER, 3-TO-8-LINE	NATIONAL
JD54F138BEA	M38510/33701BEA	1(0)	DECODER, 3-TO-8-LINE	NATIONAL
JD54F138BFA	M38510/33701BFA	1(0)	DECODER, 3-TO-8-LINE	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD54F138SEA	M38510/33701SEA	1(0)	DECODER, 3-TO-8-LINE	NATIONAL
JD54F138SFA	M38510/33701SFA	1(0)	DECODER, 3-TO-8-LINE	NATIONAL
JD54F139B2A	M38510/33702B2A	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JD54F139BEA	M38510/33702BEA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JD54F139BFA	M38510/33702BFA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JD54F139SEA	M38510/33702SEA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JD54F139SFA	M38510/33702SFA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JD54F151B2A	M38510/33901B2A	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JD54F151BEA	M38510/33901BEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JD54F151BFA	M38510/33901BFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JD54F151SEA	M38510/33901SEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JD54F151SFA	M38510/33901SFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JD54F153B2A	M38510/33902B2A	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD54F153BEA	M38510/33902BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD54F153BFA	M38510/33902BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD54F153SEA	M38510/33902SEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD54F153SFA	M38510/33902SFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD54F157B2A	M38510/33903B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54F157BEA	M38510/33903BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54F157BFA	M38510/33903BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54F157SEA	M38510/33903SEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54F157SFA	M38510/33903SFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54F158B2A	M38510/33904B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54F158BEA	M38510/33904BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54F158BFA	M38510/33904BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54F158SEA	M38510/33904SEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54F158SFA	M38510/33904SFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54F160B2A	M38510/34401B2A	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
JD54F160BEA	M38510/34401BEA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
JD54F160BFA	M38510/34401BFA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
JD54F160SEA	M38510/34401SEA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
JD54F160SFA	M38510/34401SFA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD	NATIONAL
JD54F161B2A	M38510/34301B2A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54F161BEA	M38510/34301BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54F161BFA	M38510/34301BFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54F161SEA	M38510/34301SEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54F161SFA	M38510/34301SFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD54F163B2A	M38510/34302B2A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54F163BEA	M38510/34302BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54F163BFA	M38510/34302BFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54F163SEA	M38510/34302SEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54F163SFA	M38510/34302SFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54F174B2A	M38510/34107B2A	1(0)	FLIP-FLOP, D-TYPE, HEX	NATIONAL
JD54F174BEA	M38510/34107BEA	1(0)	FLIP-FLOP, D-TYPE, HEX	NATIONAL
JD54F174BFA	M38510/34107BFA	1(0)	FLIP-FLOP, D-TYPE, HEX	NATIONAL
JD54F174SEA	M38510/34107SEA	1(0)	FLIP-FLOP, D-TYPE, HEX	NATIONAL
JD54F174SFA	M38510/34107SFA	1(0)	FLIP-FLOP, D-TYPE, HEX	NATIONAL
JD54F175B2A	M38510/34104B2A	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
JD54F175BEA	M38510/34104BEA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
JD54F175BFA	M38510/34104BFA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
JD54F181BKA	M38510/33801BKA	1(0)	ALU/FUNCTION GENERATOR, 4-BIT	NATIONAL
JD54F181BLA	M38510/33801BLA	1(0)	ALU/FUNCTION GENERATOR, 4-BIT	NATIONAL
JD54F182B2A	M38510/33802B2A	1(0)	LOOK AHEAD CARRY GENERATOR	NATIONAL
JD54F182BEA	M38510/33802BEA	1(0)	LOOK AHEAD CARRY GENERATOR	NATIONAL
JD54F182BFA	M38510/33802BFA	1(0)	LOOK AHEAD CARRY GENERATOR	NATIONAL
JD54F192B2A	M38510/34404B2A	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
JD54F192BEA	M38510/34404BEA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
JD54F192BFA	M38510/34404BFA	1(0)	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
JD54F193B2A	M38510/34304B2A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
JD54F193BEA	M38510/34304BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
JD54F193BFA	M38510/34304BFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
JD54F194B2A	M38510/33601B2A	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	NATIONAL
JD54F194BEA	M38510/33601BEA	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	NATIONAL
JD54F194BFA	M38510/33601BFA	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE	NATIONAL
JD54F20B2A	M38510/33004B2A	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD54F20BCA	M38510/33004BCA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD54F20BDA	M38510/33004BDA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD54F20SCA	M38510/33004SCA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD54F20SDA	M38510/33004SDA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD54F241B2A	M38510/33202B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F241BRA	M38510/33202BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
JD54F241BSA	M38510/33202BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F241SRA	M38510/33202SRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F241SSA	M38510/33202SSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F244B2A	M38510/33203B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F244BRA	M38510/33203BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F244BSA	M38510/33203BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F244SRA	M38510/33203SRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F244SSA	M38510/33203SSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F245B2A	M38510/34803B2A	1(0)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	NATIONAL
JD54F245BRA	M38510/34803BRA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	NATIONAL
JD54F245BSA	M38510/34803BSA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	NATIONAL
JD54F245SRA	M38510/34803SRA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	NATIONAL
JD54F245SSA	M38510/34803SSA	1(0)	BUS TRANSCEIVER, 8-BIT, WITH INVERTING 3-STATE OUTPUTS	NATIONAL
JD54F251B2A	M38510/33905B2A	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F251BEA	M38510/33905BEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F251BFA	M38510/33905BFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F251SEA	M38510/33905SEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F251SFA	M38510/33905SFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F253B2A	M38510/33908B2A	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F253BEA	M38510/33908BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F253BFA	M38510/33908BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F253SEA	M38510/33908SEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F253SFA	M38510/33908SFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F257B2A	M38510/33906B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F257BEA	M38510/33906BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
JD54F257BFA	M38510/33906BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F257SEA	M38510/33906SEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F257SFA	M38510/33906SFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F258B2A	M38510/33907B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F258BEA	M38510/33907BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F258BFA	M38510/33907BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F258SEA	M38510/33907SEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F258SFA	M38510/33907SFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F280B2A	M38510/34901B2A	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
JD54F280BCA	M38510/34901BCA	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
JD54F280BDA	M38510/34901BDA	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
JD54F280SCA	M38510/34901SCA	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
JD54F280SDA	M38510/34901SDA	1(0)	PARITY GENERATOR/CHECKER, 9-BIT	NATIONAL
JD54F283B2A	M38510/34201B2A	1(0)	ADDER, 4-BIT FULL	NATIONAL
JD54F283BEA	M38510/34201BEA	1(0)	ADDER, 4-BIT FULL	NATIONAL
JD54F283BFA	M38510/34201BFA	1(0)	ADDER, 4-BIT FULL	NATIONAL
JD54F283SEA	M38510/34201SEA	1(0)	ADDER, 4-BIT FULL	NATIONAL
JD54F283SFA	M38510/34201SFA	1(0)	ADDER, 4-BIT FULL	NATIONAL
JD54F32B2A	M38510/33501B2A	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JD54F32BCA	M38510/33501BCA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JD54F32BDA	M38510/33501BDA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JD54F32SCA	M38510/33501SCA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JD54F32SDA	M38510/33501SDA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JD54F365B2A	M38510/35101B2A	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F365BEA	M38510/35101BEA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F365BFA	M38510/35101BFA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F373B2A	M38510/34601B2A	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F373BRA	M38510/34601BRA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F373BSA	M38510/34601BSA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F373SRA	M38510/34601SRA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F373SSA	M38510/34601SSA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD54F374B2A	M38510/34105B2A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F374BRA	M38510/34105BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F374BSA	M38510/34105BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F38B2A	M38510/35202B2A	2(2.5)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54F38BCA	M38510/35202BCA	2(2.5)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54F38BDA	M38510/35202BDA	2(2.5)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54F398B2A	M38510/35001B2A	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
JD54F398BRA	M38510/35001BRA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
JD54F398BSA	M38510/35001BSA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
JD54F398SRA	M38510/35001SRA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
JD54F398SSA	M38510/35001SSA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
JD54F399B2A	M38510/35002B2A	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
JD54F399BEA	M38510/35002BEA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
JD54F399BFA	M38510/35002BFA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
JD54F399SEA	M38510/35002SEA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
JD54F399SFA	M38510/35002SFA	1(0)	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE	NATIONAL
JD54F521B2A	M38510/34701B2A	1(0)	IDENTITY COMPARATOR, 8-BIT	NATIONAL
JD54F521BRA	M38510/34701BRA	1(0)	IDENTITY COMPARATOR, 8-BIT	NATIONAL
JD54F521BSA	M38510/34701BSA	1(0)	IDENTITY COMPARATOR, 8-BIT	NATIONAL
JD54F521SRA	M38510/34701SRA	1(0)	IDENTITY COMPARATOR, 8-BIT	NATIONAL
JD54F521SSA	M38510/34701SSA	1(0)	IDENTITY COMPARATOR, 8-BIT	NATIONAL
JD54F533B2A	M38510/34602B2A	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F533BRA	M38510/34602BRA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F533BSA	M38510/34602BSA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F534B2A	M38510/34106B2A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F534BRA	M38510/34106BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F534BSA	M38510/34106BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F540B2A	M38510/33204B2A	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F540BRA	M38510/33204BRA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F540BSA	M38510/33204BSA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54F563B2A	M38510/34603B2A	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F563BRA	M38510/34603BRA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F563BSA	M38510/34603BSA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F573B2A	M38510/34604B2A	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD54F573BRA	M38510/34604BRA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F573BSA	M38510/34604BSA	1(0)	LATCH, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JD54F64B2A	M38510/33401B2A	1(0)	AND-OR-INVERT GATE, 4-2-2-2 INPUT	NATIONAL
JD54F64BCA	M38510/33401BCA	1(0)	AND-OR-INVERT GATE, 4-2-2-2 INPUT	NATIONAL
JD54F64BDA	M38510/33401BDA	1(0)	AND-OR-INVERT GATE, 4-2-2-2 INPUT	NATIONAL
JD54F64SCA	M38510/33401SCA	1(0)	AND-OR-INVERT GATE, 4-2-2-2 INPUT	NATIONAL
JD54F64SDA	M38510/33401SDA	1(0)	AND-OR-INVERT GATE, 4-2-2-2 INPUT	NATIONAL
JD54F74B2A	M38510/34101B2A	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54F74BCA	M38510/34101BCA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54F74BDA	M38510/34101BDA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54F74SCA	M38510/34101SCA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54F74SDA	M38510/34101SDA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54F86B2A	M38510/34501B2A	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD54F86BCA	M38510/34501BCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD54F86BDA	M38510/34501BDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD54F86SCA	M38510/34501SCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD54F86SDA	M38510/34501SDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD54L00BCA	M38510/02004BCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54L00BDA	M38510/02004BDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54L00SCA	M38510/02004SCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54L00SDA	M38510/02004SDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54L02BCA	M38510/02701BCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54L02BDA	M38510/02701BDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54L02SCA	M38510/02701SCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54L02SDA	M38510/02701SDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54L04BCA	M38510/02005BCA	1(0)	HEX INVERTER	NATIONAL
JD54L04BDA	M38510/02005BDA	1(0)	HEX INVERTER	NATIONAL
JD54L04SCA	M38510/02005SCA	1(0)	HEX INVERTER	NATIONAL
JD54L04SDA	M38510/02005SDA	1(0)	HEX INVERTER	NATIONAL
JD54L10BCA	M38510/02003BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54L10BDA	M38510/02003BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54L10SCA	M38510/02003SCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54L10SDA	M38510/02003SDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54L73BCA	M38510/02103BCA	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL
JD54L73BDA	M38510/02103BDA	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL
JD54L73SCA	M38510/02103SCA	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL
JD54L73SDA	M38510/02103SDA	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD54L74BCA	M38510/02105BCA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54L74BDA	M38510/02105BDA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54L74SCA	M38510/02105SCA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54L74SDA	M38510/02105SDA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54L86SCA	M38510/02601SCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD54L86SDA	M38510/02601SDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD54L93BCA	M38510/02502BCA	1(0)	BINARY COUNTER, 4-BIT	NATIONAL
JD54L93BDA	M38510/02502BDA	1(0)	BINARY COUNTER, 4-BIT	NATIONAL
JD54L93SCA	M38510/02502SCA	1(0)	BINARY COUNTER, 4-BIT	NATIONAL
JD54L93SDA	M38510/02502SDA	1(0)	BINARY COUNTER. 4-BIT	NATIONAL
JD54L95BCA	M38510/02801BCA	1(0)	REGISTER, 4-BIT	NATIONAL
JD54L95BDA	M38510/02801BDA	1(0)	REGISTER, 4-BIT	NATIONAL
JD54L95SCA	M38510/02801SCA	1(0)	REGISTER, 4-BIT	NATIONAL
JD54L95SDA	M38510/02801SDA	1(0)	REGISTER, 4-BIT	NATIONAL
JD54LS00B2A	M38510/30001B2A	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54LS00BCA	M38510/30001BCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54LS00BDA	M38510/30001BDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54LS00SCA	M38510/30001SCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54LS00SDA	M38510/30001SDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD54LS02B2A	M38510/30301B2A	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54LS02BCA	M38510/30301BCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54LS02BDA	M38510/30301BDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JD54LS03B2A	M38510/30002B2A	1(0)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS03BCA	M38510/30002BCA	1(0)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS03BDA	M38510/30002BDA	1(0)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS03SCA	M38510/30002SCA	1(0)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS03SDA	M38510/30002SDA	1(0)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS04B2A	M38510/30003B2A	1(0)	HEX INVERTER	NATIONAL
JD54LS04BCA	M38510/30003BCA	1(0)	HEX INVERTER	NATIONAL
JD54LS04BDA	M38510/30003BDA	1(0)	HEX INVERTER	NATIONAL
JD54LS04SCA	M38510/30003SCA	1(0)	HEX INVERTER	NATIONAL
JD54LS04SDA	M38510/30003SDA	1(0)	HEX INVERTER	NATIONAL
JD54LS05B2A	M38510/30004B2A	1(0)	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS05BCA	M38510/30004BCA	1(0)	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS05BDA	M38510/30004BDA	1(0)	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD54LS05SCA	M38510/30004SCA	1(0)	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS05SDA	M38510/30004SDA	1(0)	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS08B2A	M38510/31004B2A	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54LS08BCA	M38510/31004BCA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54LS08BDA	M38510/31004BDA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JD54LS109B2A	M38510/30109B2A	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL
JD54LS109BEA	M38510/30109BEA	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL
JD54LS109BFA	M38510/30109BFA	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL
JD54LS10B2A	M38510/30005B2A	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS10BCA	M38510/30005BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS10BDA	M38510/30005BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS10SCA	M38510/30005SCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS10SDA	M38510/30005SDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS113B2A	M38510/30104B2A	1(0)	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR	NATIONAL
JD54LS113BCA	M38510/30104BCA	1(0)	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR	NATIONAL
JD54LS113BDA	M38510/30104BDA	1(0)	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR	NATIONAL
JD54LS11B2A	M38510/31001B2A	1(0)	AND GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS11BCA	M38510/31001BCA	1(0)	AND GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS11BDA	M38510/31001BDA	1(0)	AND GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS11SCA	M38510/31001SCA	1(0)	AND GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS11SDA	M38510/31001SDA	1(0)	AND GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS138B2A	M38510/30701B2A	1(0)	DECODER, 3-TO-8-LINE	NATIONAL
JD54LS138BEA	M38510/30701BEA	1(0)	DECODER, 3-TO-8-LINE	NATIONAL
JD54LS138BFA	M38510/30701BFA	1(0)	DECODER, 3-TO-8-LINE	NATIONAL
JD54LS138SEA	M38510/30701SEA	1(0)	DECODER, 3-TO-8-LINE	NATIONAL
JD54LS138SFA	M38510/30701SFA	1(0)	DECODER, 3-TO-8-LINE	NATIONAL
JD54LS139B2A	M38510/30702B2A	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JD54LS139BEA	M38510/30702BEA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JD54LS139BFA	M38510/30702BFA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JD54LS139SEA	M38510/30702SEA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JD54LS139SFA	M38510/30702SFA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JD54LS151B2A	M38510/30901B2A	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JD54LS151BEA	M38510/30901BEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JD54LS151BFA	M38510/30901BFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JD54LS153B2A	M38510/30902B2A	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD54LS153BEA	M38510/30902BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD54LS153BFA	M38510/30902BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD54LS153SEA	M38510/30902SEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD54LS153SFA	M38510/30902SFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD54LS157B2A	M38510/30903B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54LS157BEA	M38510/30903BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54LS157BFA	M38510/30903BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54LS157SEA	M38510/30903SEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54LS157SFA	M38510/30903SFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD54LS158B2A	M38510/30904B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	NATIONAL
JD54LS158BEA	M38510/30904BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	NATIONAL
JD54LS158BFA	M38510/30904BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	NATIONAL
JD54LS158SEA	M38510/30904SEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	NATIONAL
JD54LS158SFA	M38510/30904SFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE	NATIONAL
JD54LS161AB2A	M38510/31504B2A	1(.25)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54LS161ABEA	M38510/31504BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54LS161ABFA	M38510/31504BFA	1(.25)	BINARY COUNTER, 4-BIT SYNCHRONOUS	NATIONAL
JD54LS164B2A	M38510/30605B2A	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	NATIONAL
JD54LS164BCA	M38510/30605BCA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	NATIONAL
JD54LS164BDA	M38510/30605BDA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	NATIONAL
JD54LS164SCA	M38510/30605SCA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	NATIONAL
JD54LS164SDA	M38510/30605SDA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL-OUT	NATIONAL
JD54LS169BEA	M38510/31506BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN	NATIONAL
JD54LS174B2A	M38510/30106B2A	1(0)	FLIP-FLOP, D-TYPE, HEX	NATIONAL
JD54LS174BEA	M38510/30106BEA	1(0)	FLIP-FLOP, D-TYPE, HEX	NATIONAL
JD54LS174BFA	M38510/30106BFA	1(0)	FLIP-FLOP, D-TYPE, HEX	NATIONAL
JD54LS175B2A	M38510/30107B2A	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
JD54LS175BEA	M38510/30107BEA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
JD54LS175BFA	M38510/30107BFA	1(0)	FLIP-FLOP, D-TYPE, 4-BIT	NATIONAL
JD54LS193B2A	M38510/31508B2A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
JD54LS193BEA	M38510/315088EA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
JD54LS193BFA	M38510/315088FA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, PRESETTABLE	NATIONAL
JD54LS194B2A	M38510/30601B2A	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
JD54LS194BEA	M38510/30601BEA	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
JD54LS194BFA	M38510/30601BFA	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
JD54LS194SEA	M38510/30601SEA	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
JD54LS194SFA	M38510/30601SFA	1(0)	SHIFT REGISTER, 4-BIT BIDIRECTIONAL	NATIONAL
JD54LS20B2A	M38510/30007B2A	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD54LS20BCA	M38510/30007BCA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD54LS20BDA	M38510/30007BDA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD54LS20SCA	M38510/30007SCA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD54LS20SDA	M38510/30002SDA	1(0)	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS21B2A	M38510/31003B2A	1(0)	AND GATE, DUAL 4-INPUT	NATIONAL
JD54LS21BCA	M38510/31003BCA	1(0)	AND GATE, DUAL 4-INPUT	NATIONAL
JD54LS21BDA	M38510/31003BDA	1(0)	AND GATE, DUAL 4-INPUT	NATIONAL
JD54LS21SCA	M38510/31003SCA	1(0)	AND GATE, DUAL 4-INPUT	NATIONAL
JD54LS21SDA	M38510/31003SDA	1(0)	AND GATE, DUAL 4-INPUT	NATIONAL
JD54LS240B2A	M38510/32401B2A	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS240BRA	M38510/32401BRA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS240BSA	M38510/32401BSA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS241B2A	M38510/32402B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS241BRA	M38510/32402BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS241BSA	M38510/32402BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS244B2A	M38510/32403B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS244BRA	M38510/32403BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS244BSA	M38510/32403BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS244SRA	M38510/32403SRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS244SSA	M38510/32403SSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS251B2A	M38510/30905B2A	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS251BEA	M38510/30905BEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS251BFA	M38510/30905BFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS251SEA	M38510/30905SEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS251SFA	M38510/30905SFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS253B2A	M38510/30908B2A	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS253BEA	M38510/30908BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS253BFA	M38510/30908BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
JD54LS253SEA	M38510/30908SEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS253SFA	M38510/30908SFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS257B2A	M38510/30906B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	NATIONAL
JD54LS257BBEA	M38510/30906BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND 3-STATE OUTPUTS	NATIONAL
JD54LS258B2A	M38510/30907B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	NATIONAL
JD54LS258BEA	M38510/30907BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	NATIONAL
JD54LS258BFA	M38510/30907BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, WITH ENABLE	NATIONAL
JD54LS259B2A	M38510/31603B2A	1(0)	LATCH, 8-BIT ADDRESSABLE	NATIONAL
JD54LS259BEA	M38510/31603BEA	1(0)	LATCH, 8-BIT ADDRESSABLE	NATIONAL
JD54LS259BFA	M38510/31603BFA	1(0)	LATCH, 8-BIT ADDRESSABLE	NATIONAL
JD54LS273B2A	M38510/32501B2A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
JD54LS273BRA	M38510/32501BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
JD54LS273BSA	M38510/32501BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
JD54LS279B2A	M38510/31602B2A	1(0)	LATCH, RS, 4-BIT	NATIONAL
JD54LS279BEA	M38510/31602BEA	1(0)	LATCH, RS, 4-BIT	NATIONAL
JD54LS279BFA	M38510/31602BFA	1(0)	LATCH, RS, 4-BIT	NATIONAL
JD54LS27B2A	M38510/30302B2A	1(0)	NOR GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS27BCA	M38510/30302BCA	1(0)	NOR GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS27BDA	M38510/30302BDA	1(0)	NOR GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS27SCA	M38510/30302SCA	1(0)	NOR GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS27SDA	M38510/30302SDA	1(0)	NOR GATE, TRIPLE 3-INPUT	NATIONAL
JD54LS283B2A	M38510/31202B2A	1(0)	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL
JD54LS283BEA	M38510/31202BEA	1(0)	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL
JD54LS283BFA	M38510/31202BFA	1(0)	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL
JD54LS30B2A	M38510/30009B2A	1(0)	NAND GATE, 8-INPUT	NATIONAL
JD54LS30BCA	M38510/30009BCA	1(0)	NAND GATE, 8-INPUT	NATIONAL
JD54LS30BDA	M38510/30009BDA	1(0)	NAND GATE, 8-INPUT	NATIONAL
JD54LS30SCA	M38510/30009SCA	1(0)	NAND GATE, 8-INPUT	NATIONAL
JD54LS30SDA	M38510/30009SDA	1(0)	NAND GATE, 8-INPUT	NATIONAL
JD54LS32B2A	M38510/30501B2A	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JD54LS32BCA	M38510/30501BCA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JD54LS32BDA	M38510/30501BDA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JD54LS365ABEA	M38510/32201BEA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD54LS365ABFA	M38510/32201BFA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS365B2A	M38510/32201B2A	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS366B2A	M38510/32202B2A	1(0)	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS366BEA	M38510/32202BEA	1(0)	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS366BFA	M38510/32202BFA	1(0)	BUFFER/DRIVER, HEX, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS367ABEA	M38510/32203BEA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS367ABFA	M38510/32203BFA	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS367B2A	M38510/32203B2A	1(0)	BUFFER/DRIVER, HEX, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JD54LS368ABEA	M38510/32204BEA	1(0)	BUS DRIVER, HEX	NATIONAL
JD54LS368ABFA	M38510/32204BFA	1(0)	BUS DRIVER, HEX	NATIONAL
JD54LS368B2A	M38510/32204B2A	1(0)	BUS DRIVER, HEX	NATIONAL
JD54LS38B2A	M38510/30203B2A	1(1.2)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS38BCA	M38510/30203BCA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS38BDA	M38510/30203BDA	1(0)	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS	NATIONAL
JD54LS42B2A	M38510/30703B2A	1(0)	DECODER, BCD-TO-DECIMAL	NATIONAL
JD54LS42BEA	M38510/30703BEA	1(0)	DECODER, BCD-TO-DECIMAL	NATIONAL
JD54LS42BFA	M38510/30703BFA	1(0)	DECODER, BCD-TO-DECIMAL	NATIONAL
JD54LS42SEA	M38510/30703SEA	1(0)	DECODER, BCD-TO-DECIMAL	NATIONAL
JD54LS42SFA	M38510/30703SFA	1(0)	DECODER, BCD-TO-DECIMAL	NATIONAL
JD54LS51B2A	M38510/30401B2A	1(0)	AND-OR-INVERT GATE, DUAL 2-WIDE	NATIONAL
JD54LS51BCA	M38510/30401BCA	1(0)	AND-OR-INVERT GATE, DUAL 2-WIDE	NATIONAL
JD54LS51BDA	M38510/30401BDA	1(0)	AND-OR-INVERT GATE, DUAL 2-WIDE	NATIONAL
JD54LS54B2A	M38510/30402B2A	1(0)	AND-OR-INVERT GATE	NATIONAL
JD54LS54BCA	M38510/30402BCA	1(0)	AND-OR-INVERT GATE	NATIONAL
JD54LS54BDA	M38510/30402BDA	1(0)	AND-OR-INVERT GATE	NATIONAL
JD54LS670BEA	M38510/31901BEA	1(0)	REGISTER FILE, 4 X 4, 3-STATE OUTPUTS	NATIONAL
JD54LS74ABDA	M38510/30102BDA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54LS74B2A	M38510/30102B2A	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54LS74BCA	M38510/30102BCA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JD54LS83B2A	M38510/31201B2A	1(0)	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL
JD54LS83BEA	M38510/31201BEA	1(0)	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL
JD54LS83BFA	M38510/31201BFA	1(0)	ADDER, 4-BIT FULL, WITH FAST CARRY	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JD54LS85B2A	M38510/31101B2A	1(0)	MAGNITUDE COMPARATOR, 4-BIT	NATIONAL
JD54LS85BEA	M38510/31101BEA	1(0)	MAGNITUDE COMPARATOR, 4-BIT	NATIONAL
JD54LS85BFA	M38510/31101BFA	1(0)	MAGNITUDE COMPARATOR, 4-BIT	NATIONAL
JD54LS86B2A	M38510/30502B2A	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD54LS86BCA	M38510/30502BCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD54LS86BDA	M38510/30502BDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD54LS86SCA	M38510/30502SCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD54LS86SDA	M38510/30502SDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JD55107BCA	M38510/10401BCA	1(0)	LINE RECEIVER, DUAL	NATIONAL
JD55107BDA	M38510/10401BDA	1(0)	LINE RECEIVER, DUAL	NATIONAL
JD55115BEA	M38510/10404BEA	1(0)	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
JD55115BFA	M38510/10404BFA	1(0)	LINE RECEIVER, DUAL DIFFERENTIAL	NATIONAL
JD808601	M38510/53001BQA	1	MICROPROCESSOR, 16-BIT	INTEL
JD9309BFA	M38510/01404BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD9309BFA	M38510/01404BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JD9322BEA	M38510/01405BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD9322BFA	M38510/01405BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JD9601BCA	M38510/01204BCA	1(0)	MULTIVIBRATOR, ONE-SHOT	NATIONAL
JD9601BDA	M38510/01204BDA	1(0)	MULTIVIBRATOR, ONE-SHOT	NATIONAL
JD9602BEA	M38510/01205BEA	1(0)	MULTIVIBRATOR, DUAL ONE-SHOT	NATIONAL
JD9602BFA	M38510/01205BFA	1(0)	MULTIVIBRATOR, DUAL ONE-SHOT	NATIONAL
JD9930BCA	M38510/03001BCA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD9930BDA	M38510/03001BDA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JD9936BCA	M38510/03003BCA	1(0)	HEX INVERTER	NATIONAL
JD9936BDA	M38510/03003BDA	1(0)	HEX INVERTER	NATIONAL
JD9946BCA	M38510/03004BCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD9946BDA	M38510/03004BDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JD9962BCA	M38510/03005BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JD9962BDA	M38510/03005BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JL101ABCA	M38510/10103BCA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL101ABGA	M38510/10103BGA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL101ABHA	M38510/10103BHA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL101ABPA	M38510/10103BPA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL101ASCA	M38510/10103SCA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL101ASHA	M38510/10103SHA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL101ASPA	M38510/10103SPA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL101SGA	M38510/10103SGA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JL108ABCA	M38510/10104BCA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL108ABGA	M38510/10104BGA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL108ABHA	M38510/10104BHA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL108ABPA	M38510/10104BPA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL108ASCA	M38510/10104SCA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL108ASGA	M38510/10104SGA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL108ASGC	M38510/10104SGC	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL108ASHA	M38510/10104SHA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL108ASPA	M38510/10104SPA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL109BXA	M38510/10701BXA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE, 5V	NATIONAL
JL109BYA	M38510/10701BYA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE, 5V	NATIONAL
JL109SXA	M38510/10701SXA	3(10)	VOLT. REGULATOR, FIXED, POSITIVE, 5V	NATIONAL
JL111BCA	M38510/10304BCA	1(0)	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
JL111BGA	M38510/10304BGA	1(0)	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
JL111BHA	M38510/10304BHA	1(0)	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
JL111BPA	M38510/10304BPA	1(0)	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
JL111SCA	M38510/10304SCA	1(0)	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
JL111SGA	M38510/10304SGA	1(0)	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
JL111SHA	M38510/10304SHA	1(0)	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
JL111SPA	M38510/10304SPA	1(0)	VOLT. COMPARATOR/BUFFER, PRECISION	NATIONAL
JL117BXA	M38510/11703BXA	1(0)	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
JL117BYA	M38510/11704BYA	1(0)	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
JL117SXA	M38510/11703SXA	1(1.5)	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
JL117SYA	M38510/11704SYA	1(0)	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
JL118BCA	M38510/10107BCA	1(0)	OP AMP, HIGH-SPEED	NATIONAL
JL118BGA	M38510/10107BGA	1(0)	OP AMP, HIGH-SPEED	NATIONAL
JL118BHA	M38510/10107BHA	1(0)	OP AMP, HIGH-SPEED	NATIONAL
JL118BPA	M38510/10107BPA	1(0)	OP AMP, HIGH-SPEED	NATIONAL
JL118SCA	M38510/10107SCA	1(0)	OP AMP, HIGH-SPEED	NATIONAL
JL118SGA	M38510/10107SGA	1(0)	OP AMP, HIGH-SPEED	NATIONAL
JL118SHA	M38510/10107SHA	1(0)	OP AMP, HIGH-SPEED	NATIONAL
JL118SPA	M38510/10107SPA	1(0)	OP AMP, HIGH-SPEED	NATIONAL
JL119BCA	M38510/10306BCA	1(0)	VOLT. COMPARATOR, DUAL, HIGH-SPEED	NATIONAL
JL119BIA	M38510/10306BIA	1(0)	VOLT. COMPARATOR, DUAL, HIGH-SPEED	NATIONAL
JL120-12BXA	M38510/11502BXA	1(0)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
JL120-12BYA	M38510/11506BYA	1(0)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
JL120-12SXA	M38510/11502SXA	3(10)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JL120-12SYA	M38510/11506SYA	1(0)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
JL120-15BXA	M38510/11503BXA	1(0)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
JL120-15BYA	M38510/11507BYA	1(0)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
JL120-15SXA	M38510/11503SXA	3(10)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
JL120-15SYA	M38510/11507SYA	1(0)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
JL120-5BXA	M38510/11501BXA	1(0)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
JL120-5BYA	M38510/11505BYA	1(0)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
JL120-5SXA	M38510/11501SXA	3(10)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
JL120-5SYA	M38510/11505SYA	1(0)	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A	NATIONAL
JL124ABCA	M38510/11006BCA	1(0)	OP AMP, QUAD	NATIONAL
JL124ABDA	M38510/11006BDA	1(0)	OP AMP, QUAD	NATIONAL
JL124ASCA	M38510/11006SCA	1(0)	OP AMP, QUAD	NATIONAL
JL124ASDA	M38510/11006SDA	1(0)	OP AMP, QUAD	NATIONAL
JL124BCA	M38510/11005BCA	1(0)	OP AMP, QUAD	NATIONAL
JL124BDA	M38510/11005BDA	1(0)	OP AMP, QUAD	NATIONAL
JL124SCA	M38510/11005SCA	1(0)	OP AMP, QUAD	NATIONAL
JL124SDA	M38510/11005SDA	1(0)	OP AMP, QUAD	NATIONAL
JL137BXA	M38510/11803BXA	1(0)	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
JL137BYA	M38510/11804BYA	1(0)	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
JL137SXA	M38510/11803SXA	2(2)	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
JL137SYA	M38510/11804SYA	1(0)	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
JL139BCA	M38510/11201BCA	1(0)	VOLT. COMPARATOR, QUAD	NATIONAL
JL139BDA	M38510/11201BDA	1(0)	VOLT. COMPARATOR, QUAD	NATIONAL
JL139SCA	M38510/11201SCA	1(0)	VOLT. COMPARATOR, QUAD	NATIONAL
JL139SDA	M38510/11201SDA	1(0)	VOLT. COMPARATOR, QUAD	NATIONAL
JL140-12BXA	M38510/10703BXA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL140-12BYA	M38510/10707BYA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL140-12SXA	M38510/10703SXA	3(10)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL140-12SYA	M38510/10707SYA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL140-15BXA	M38510/10704BXA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL140-15BYA	M38510/10708BYA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL140-15SXA	M38510/10704SXA	3(7.5)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL140-15SYA	M38510/10708SYA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL140-24BYA	M38510/10709BYA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL140-5BXA	M38510/10702BXA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL140-5BYA	M38510/10706BYA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL140-5SXA	M38510/10702SXA	3(10)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JL140-5SYA	M38510/10706SYA	1(0)	VOLT. REGULATOR, FIXED, POSITIVE	NATIONAL
JL147BCA	M38510/11906BCA	1(0)	OP AMP, QUAD, BIFET, LOW-POWER	NATIONAL
JL148BCA	M38510/11001BCA	1(0)	OP AMP, QUAD	NATIONAL
JL148BDA	M38510/11001BDA	1(0)	OP AMP, QUAD	NATIONAL
JL148SCA	M38510/11001SCA	1(0)	OP AMP, QUAD	NATIONAL
JL148SDA	M38510/11001SDA	1(0)	OP AMP, QUAD	NATIONAL
JL1558BGA	M38510/10108BGA	1(0)	OP AMP, DUAL	NATIONAL
JL1558SGA	M38510/10108SGA	1(0)	OP AMP, DUAL	NATIONAL
JL155BGA	M38510/11401BGA	1(0)	OP AMP, JFET-INPUT	NATIONAL
JL156BGA	M38510/11402BGA	1(0)	OP AMP, JFET-INPUT	NATIONAL
JL156SGA	M38510/11402SGA	1(0)	OP AMP, JFET-INPUT	NATIONAL
JL193BGA	M38510/11202BGA	1(0)	VOLT. COMPARATOR, DUAL	NATIONAL
JL193BPA	M38510/11202BPA	1(0)	VOLT. COMPARATOR, DUAL	NATIONAL
JL198BGA	M38510/12501BGA	1(0)	SAMPLE AND HOLD AMPLIFIER	NATIONAL
JL198SGA	M38510/12501SGA	1(0)	SAMPLE AND HOLD AMPLIFIER	NATIONAL
JL2111BEA	M38510/10305BEA	1(0)	VOLT. COMPARATOR, DUAL	NATIONAL
JL2111SEA	M38510/10305SEA	1(0)	VOLT. COMPARATOR, DUAL	NATIONAL
JL3045BCA	M38510/10802BCA	1(0)	TRANSISTOR ARRAY	NATIONAL
JL3045SCA	M38510/10802SCA	1(0)	TRANSISTOR ARRAY	NATIONAL
JL411BGA	M38510/11904BGA	1(0)	OP AMP, BIFET, LOW-POWER	NATIONAL
JL411BPA	M38510/11904BPA	1(0)	OP AMP, BIFET, LOW-POWER	NATIONAL
JL412BGA	M38510/11905BGA	1(0)	OP AMP, DUAL, BI-FET, LOW POWER	NATIONAL
JL412BPA	M38510/11905BPA	1(0)	OP AMP, DUAL, BI-FET, LOW POWER	NATIONAL
JL4136BCA	M38510/11004BCA	1(0)	OP AMP, QUAD	NATIONAL
JL4136SCA	M38510/11004SCA	1(0)	OP AMP, QUAD	NATIONAL
JL555BGA	M38510/10901BGA	1(0)	TIMER, PRECISION	NATIONAL
JL555BPA	M38510/10901BPA	1(0)	TIMER, PRECISION	NATIONAL
JL555SGA	M38510/10901SGA	1(0)	TIMER, PRECISION	NATIONAL
JL555SPA	M38510/10901SPA	1(0)	TIMER, PRECISION	NATIONAL
JL710BCA	M38510/10301BCA	1(0)	VOLT. COMPARATOR, DIFFERENTIAL	NATIONAL
JL710BGA	M38510/10301BGA	1(0)	VOLT. COMPARATOR, DIFFERENTIAL	NATIONAL
JL710BHA	M38510/10301BHA	1(0)	VOLT. COMPARATOR, DIFFERENTIAL	NATIONAL
JL711BIA	M38510/10302BIA	1(0)	VOLT. COMPARATOR, DUAL DIFFERENTIAL	NATIONAL
JL723BCA	M38510/10201BCA	1(0)	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
JL723BIA	M38510/10201BIA	1(0)	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
JL723SCA	M38510/10201SCA	1(0)	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
JL723SIA	M38510/10201SIA	1(0)	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JL741BCA	M38510/10101BCA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL741BGA	M38510/10101BGA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL741BHA	M38510/10101BHA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL741BPA	M38510/10101BPA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL741SCA	M38510/10101SCA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL741SGA	M38510/10101SGA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL741SHA	M38510/10101SHA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL741SPA	M38510/10101SPA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
JL747BCA	M38510/10102BCA	1(0)	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
JL747BDA	M38510/10102BDA	1(0)	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
JL747BIA	M38510/10102BIA	1(0)	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
JL747SCA	M38510/10102SCA	1(0)	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
JL747SDA	M38510/10102SDA	1(0)	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
JL747SIA	M38510/10102SIA	1(0)	OP AMP, GENERAL PURPOSE, DUAL	NATIONAL
JM4001ABCA	M38510/05202BCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM4001ABDA	M38510/05202BDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM4001BBCA	M38510/05252BCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM4001BBDA	M38510/05252BDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM4002ABDA	M38510/05203BDA	2(3)	NOR GATE, DUAL 4-INPUT	NATIONAL
JM4006ABCA	M38510/05701BCA	1(0)	SHIFT REGISTER, DUAL 4-STAGE/5-STAGE	NATIONAL
JM4006ABDA	M38510/05701BDA	1(0)	SHIFT REGISTER, DUAL 4-STAGE/5-STAGE	NATIONAL
JM4007ABCA	M38510/05301BCA	1(0)	COMPLIMENTARY PAIR, DUAL	NATIONAL
JM4007ABDA	M38510/05301BDA	1(0)	COMPLIMENTARY PAIR, DUAL	NATIONAL
JM4011ABCA	M38510/05001BCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JM4011ABDA	M38510/05001BDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JM4012ABCA	M38510/05002BCA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM4012ABDA	M38510/05002BDA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM4013ABCA	M38510/05101BCA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JM4013ABDA	M38510/05101BDA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JM4013BBCA	M38510/05151BCA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JM4013BBDA	M38510/05151BDA	1(0)	FLIP-FLOP, D-TYPE, DUAL	NATIONAL
JM4014ABEA	M38510/05702BEA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	NATIONAL
JM4014ABFA	M38510/05702BFA	1(1)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	NATIONAL
JM4015ABEA	M38510/05703BEA	1(0)	SHIFT REGISTER, DUAL 4-STAGE	NATIONAL
JM4015ABFA	M38510/05703BFA	1(0)	SHIFT REGISTER, DUAL 4-STAGE	NATIONAL
JM4017ABEA	M38510/05601BEA	1(0)	DECADE COUNTER	NATIONAL
JM4017ABFA	M38510/05601BFA	3(4)	DECADE COUNTER	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JM4018ABEA	M38510/05602BEA	1(0)	COUNTER, DIVIDE-BY-N	NATIONAL
JM4018ABFA	M38510/05602BFA	2(2)	COUNTER, DIVIDE-BY-N	NATIONAL
JM4018BBEA	M38510/05652BEA	1(0)	COUNTER, DIVIDE-BY-N	NATIONAL
JM4018BBFA	M38510/05652BFA	2(2)	COUNTER, DIVIDE-BY-N	NATIONAL
JM4019ABEA	M38510/05302BEA	1(0)	AND/OR SELECT GATE, QUAD	NATIONAL
JM4019ABFA	M38510/05302BFA	1(0)	AND/OR SELECT GATE, QUAD	NATIONAL
JM4019BBEA	M38510/05352BEA	1(0)	AND/OR SELECT GATE, QUAD	NATIONAL
JM4019BBFA	M38510/05352BFA	3(4)	AND/OR SELECT GATE, QUAD	NATIONAL
JM4020ABEA	M38510/05603BEA	1(0)	BINARY COUNTER, 14-STAGE	NATIONAL
JM4020ABFA	M38510/05603BFA	1(1)	BINARY COUNTER, 14-STAGE	NATIONAL
JM4021ABEA	M38510/05704BEA	1(0)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	NATIONAL
JM4021ABFA	M38510/05704BFA	1(0.5)	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT	NATIONAL
JM4022ABEA	M38510/05604BEA	1(0)	COUNTER, DIVIDE-BY-8	NATIONAL
JM4022ABFA	M38510/05604BFA	1(0)	COUNTER, DIVIDE-BY-8	NATIONAL
JM4023ABCA	M38510/05003BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JM4023ABDA	M38510/05003BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JM4025ABCA	M38510/05204BCA	1(0)	NOR GATE, TRIPLE 3-INPUT	NATIONAL
JM4025ABDA	M38510/05204BDA	1(0)	NOR GATE, TRIPLE 3-INPUT	NATIONAL
JM4025BBCA	M38510/05254BCA	1(0)	NOR GATE, TRIPLE 3-INPUT	NATIONAL
JM4025BBDA	M38510/05254BDA	1(0)	NOR GATE, TRIPLE 3-INPUT	NATIONAL
JM4027ABEA	M38510/05102BEA	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL
JM4027ABFA	M38510/05102BFA	1(0)	FLIP-FLOP, JK, DUAL	NATIONAL
JM4030ABCA	M38510/05303BCA	2(3)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JM4030ABDA	M38510/05303BDA	2(3)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JM4049ABEA	M38510/05503BEA	1(0)	HEX INVERTER BUFFER	NATIONAL
JM4049ABFA	M38510/05503BFA	1(0)	HEX INVERTER BUFFER	NATIONAL
JM4050ABEA	M38510/05504BEA	1(0)	HEX BUFFER, NONINVERTING	NATIONAL
JM4050ABFA	M38510/05504BFA	1(0)	HEX BUFFER, NONINVERTING	NATIONAL
JM4050BBEA	M38510/05554BEA	1(0)	HEX BUFFER, NONINVERTING	NATIONAL
JM4050BBFA	M38510/05554BFA	1(0)	HEX BUFFER, NONINVERTING	NATIONAL
JM54AC00B2A	M38510/75001B2A	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JM54AC00BCA	M38510/75001BCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JM54AC00BCA-RH	M38510R75001BCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JM54AC00BDA	M38510/75001BDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JM54AC00BDA-RH	M38510R75001BDA	3(4)	NAND GATE, QUAD 2-INPUT	NATIONAL
JM54AC00S2A	M38510/75001S2A	3(4)	NAND GATE, QUAD 2-INPUT	NATIONAL
JM54AC00SCA	M38510/75001SCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JM54AC00SCA-RH	M38510R75001SCA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JM54AC00SDA	M38510/75001SDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JM54AC00SDA-RH	M38510R75001SDA	1(0)	NAND GATE, QUAD 2-INPUT	NATIONAL
JM54AC02B2A	M38510/75101B2A	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM54AC02BCA	M38510/75101BCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM54AC02BCA-RH	M38510R75101BCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM54AC02BDA	M38510/75101BDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM54AC02BDA-RH	M38510R75101BDA	2(2.7)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM54AC02S2A	M38510/75101S2A	2(2.7)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM54AC02SCA	M38510/75101SCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM54AC02SCA-RH	M38510R75101SCA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM54AC02SDA	M38510/75101SDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM54AC02SDA-RH	M38510R75101SDA	1(0)	NOR GATE, QUAD 2-INPUT	NATIONAL
JM54AC04B2A	M38510/75701B2A	1(0)	HEX INVERTER	NATIONAL
JM54AC04BCA	M38510/75701BCA	1(0)	HEX INVERTER	NATIONAL
JM54AC04BCA-RH	M38510R75701BCA	1(0)	HEX INVERTER	NATIONAL
JM54AC04BDA	M38510/75701BDA	1(0)	HEX INVERTER	NATIONAL
JM54AC04BDA-RH	M38510R75701BDA	3(9.2)	HEX INVERTER	NATIONAL
JM54AC04S2A	M38510/75701S2A	3(9.2)	HEX INVERTER	NATIONAL
JM54AC04SCA	M38510/75701SCA	1(0)	HEX INVERTER	NATIONAL
JM54AC04SCA-RH	M38510R75701SCA	1(0)	HEX INVERTER	NATIONAL
JM54AC04SDA	M38510/75701SDA	1(0)	HEX INVERTER	NATIONAL
JM54AC04SDA-RH	M38510R75701SDA	1(0)	HEX INVERTER	NATIONAL
JM54AC08B2A	M38510/75203B2A	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JM54AC08BCA	M38510/75203BCA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JM54AC08BCA-RH	M38510R75203BCA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JM54AC08BDA	M38510/75203BDA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JM54AC08BDA-RH	M38510R75203BDA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JM54AC08S2A	M38510/75203S2A	3(9.7)	AND GATE, QUAD 2-INPUT	NATIONAL
JM54AC08SCA	M38510/75203SCA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JM54AC08SCA-RH	M38510R75203SCA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JM54AC08SDA	M38510/75203SDA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JM54AC08SDA-RH	M38510R75203SDA	1(0)	AND GATE, QUAD 2-INPUT	NATIONAL
JM54AC109B2A	M38510/75304B2A	1(0)	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
JM54AC109BEA	M38510/75304BEA	1(0)	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
JM54AC109BFA	M38510/75304BFA	1(0)	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JM54AC109S2A	M38510/75304S2A	3(5.2)	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
JM54AC109SEA	M38510/75304SEA	1(0)	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
JM54AC109SFA	M38510/75304SFA	1(0)	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
JM54AC10B2A	M38510/75002B2A	1(0)	NAND GATE, TRIPLE 3 INPUT	NATIONAL
JM54AC10BCA	M38510/75002BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC10BCA-RH	M38510R75002BCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC10BDA	M38510/75002BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC10BDA-RH	M38510R75002BDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC10S2A	M38510/75002S2A	3(7.2)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC10SCA	M38510/75002SCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC10SCA-RH	M38510R75002SCA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC10SDA	M38510/75002SDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC10SDA-RH	M38510R75002SDA	1(0)	NAND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC11B2A	M38510/75204B2A	1(0)	AND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC11BCA	M38510/75204BCA	1(0)	AND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC11BDA	M38510/75204BDA	1(0)	AND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC11S2A	M38510/75204S2A	3(10)	AND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC11SCA	M38510/75204SCA	1(0)	AND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC11SDA	M38510/75204SDA	1(0)	AND GATE, TRIPLE 3-INPUT	NATIONAL
JM54AC138B2A	M38510/75802B2A	1(0)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
JM54AC138BEA	M38510/75802BEA	1(0)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
JM54AC138BFA	M38510/75802BFA	1(0)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
JM54AC138S2A	M38510/75802S2A	3(7.5)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
JM54AC138SEA	M38510/75802SEA	1(0)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
JM54AC138SFA	M38510/75802SFA	1(0)	DECODER/DEMULTIPLEXER, 3-TO-8-LINE	NATIONAL
JM54AC139B2A	M38510/75803B2A	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JM54AC139BEA	M38510/75803BEA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JM54AC139BFA	M38510/75803BFA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JM54AC139S2A	M38510/75803S2A	3(9)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JM54AC139SEA	M38510/75803SEA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JM54AC139SFA	M38510/75803SFA	1(0)	DECODER, DUAL 2-TO-4-LINE	NATIONAL
JM54AC14B2A	M38510/75702B2A	1(0)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
JM54AC14BCA	M38510/75702BCA	1(0)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
JM54AC14BCA-RH	M38510R75702BCA	1(0)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
JM54AC14BDA	M38510/75702BDA	1(0)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
JM54AC14BDA-RH	M38510R75702BDA	1(0)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JM54AC14S2A	M38510/75702S2A	3(10)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
JM54AC14SCA	M38510/75702SCA	1(0)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
JM54AC14SCA-RH	M38510R75702SCA	1(0)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
JM54AC14SDA	M38510/75702SDA	1(0)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
JM54AC14SDA-RH	M38510R75702SDA	1(0)	HEX INVERTER, SCHMITT TRIGGER	NATIONAL
JM54AC151B2A	M38510/76201B2A	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JM54AC151B2A	M38510/76201B2A	1(0)	EIGHT INPUT MULITPLEXER	NATIONAL
JM54AC151BEA	M38510/76201BEA	1(0)	EIGHT INPUT MULITPLEXER	NATIONAL
JM54AC151BEA	M38510/76201BEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JM54AC151BFA	M38510/76201BFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JM54AC151BFA	M38510/76201BFA	1(0)	EIGHT INPUT MULITPLEXER	NATIONAL
JM54AC151S2A	M38510/76201S2A	2(3.5)	EIGHT INPUT MULITPLEXER	NATIONAL
JM54AC151S2A	M38510/76201S2A	2(3.5)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JM54AC151SEA	M38510/76201SEA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JM54AC151SEA	M38510/76201SEA	1(0)	EIGHT INPUT MULITPLEXER	NATIONAL
JM54AC151SFA	M38510/76201SFA	1(0)	EIGHT INPUT MULITPLEXER	NATIONAL
JM54AC151SFA	M38510/76201SFA	1(0)	DATA SEL/MULTIPLEXER, 8-INPUT	NATIONAL
JM54AC153B2A	M38510/76202B2A	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JM54AC153B2A	M38510/76202B2A	1(0)	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL
JM54AC153BEA	M38510/76202BEA	1(0)	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL
JM54AC153BEA	M38510/76202BEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JM54AC153BFA	M38510/76202BFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JM54AC153BFA	M38510/76202BFA	1(0)	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL
JM54AC153S2A	M38510/76202S2A	2(3.2)	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL
JM54AC153S2A	M38510/76202S2A	2(3.2)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JM54AC153SEA	M38510/76202SEA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JM54AC153SEA	M38510/76202SEA	1(0)	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL
JM54AC153SFA	M38510/76202SFA	1(0)	DUAL FOUR-INPUT MULTIPLEXER	NATIONAL
JM54AC153SFA	M38510/76202SFA	1(0)	DATA SEL/MULTIPLEXER, DUAL 4-INPUT	NATIONAL
JM54AC157B2A	M38510/76203B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JM54AC157B2A	M38510/76203B2A	1(0)	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
JM54AC157BEA	M38510/76203BEA	1(0)	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
JM54AC157BEA	M38510/76203BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JM54AC157BFA	M38510/76203BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JM54AC157BFA	M38510/76203BFA	1(0)	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
JM54AC157S2A	M38510/76203S2A	3(8)	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
JM54AC157S2A	M38510/76203S2A	3(8)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JM54AC157SEA	M38510/76203$EA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JM54AC157SEA	M38510/76203SEA	1(0)	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
JM54AC157SFA	M38510/76203SFA	1(0)	QUAD TWO-INPUT MULTIPLEXER	NATIONAL
JM54AC157SFA	M38510/76203SFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT	NATIONAL
JM54AC161B2A	M38510/76302B2A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC161B2A	M38510/76302B2A	1(0)	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
JM54AC161BEA	M38510/76302BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC161BEA	M38510/76302BEA	1(0)	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
JM54AC161BFA	M38510/76302BFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC161BFA	M38510/76302BFA	1(0)	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
JM54AC161S2A	M38510/76302S2A	3(8.7)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC161S2A	M38510/76302S2A	3(8.7)	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
JM54AC161SEA	M38510/76302SEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC161SEA	M38510/76302SEA	1(0)	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
JM54AC161SFA	M38510/76302SFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC161SFA	M38510/76302SFA	1(0)	4-BIT BINARY COUNTER, ASYNCHRONOUS RESET	NATIONAL
JM54AC163B2A	M38510/76304B2A	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC163B2A	M38510/76304B2A	1(0)	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
JM54AC163BEA	M38510/76304BEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC163BEA	M38510/76304BEA	1(0)	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
JM54AC163BFA	M38510/76304BFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC163BFA	M38510/76304BFA	1(0)	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
JM54AC163S2A	M38510/76304S2A	2(3)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC163S2A	M38510/76304S2A	2(3)	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
JM54AC163SEA	M38510/76304SEA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC163SEA	M38510/76304SEA	1(0)	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
JM54AC163SFA	M38510/76304SFA	1(0)	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE	NATIONAL
JM54AC163SFA	M38510/76304SFA	1(0)	4-BIT BINARY COUNTER, SYNCHRONOUS RESET	NATIONAL
JM54AC174BEA	M38510/75307BEA	1(0)	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
JM54AC174BFA	M38510/75307BFA	1(0)	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
JM54AC174S2A	M38510/75307S2A	3(8.7)	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
JM54AC174SEA	M38510/75307SEA	1(0)	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
JM54AC174SFA	M38510/75307SFA	1(0)	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
JM54AC17B2A	M38510/75307B2A	3(8.7)	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET	NATIONAL
JM54AC191B2A	M38510/76305B2A	1(0)	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
JM54AC191B2A	M38510/76305B2A	1(0)	SYNCHRO	NATIONAL
JM54AC191BEA	M38510/76305BEA	1(0)	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			CLOCK	
JM54AC191BEA	M38510/76305BEA	1(0)	SYNCHRO	NATIONAL
JM54AC191BFA	M38510/76305BFA	1(0)	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
JM54AC191BFA	M38510/76305BFA	1(0)	SYNCHRO	NATIONAL
JM54AC191S2A	M38510/76305S2A	3(8.5)	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
JM54AC191S2A	M38510/76305S2A	3(8.5)	SYNCHRO	NATIONAL
JM54AC191SEA	M38510/76305SEA	1(0)	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
JM54AC191SEA	M38510/76305SEA	1(0)	SYNCHRO	NATIONAL
JM54AC191SFA	M38510/76305SFA	1(0)	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK	NATIONAL
JM54AC191SFA	M38510/76305SFA	1(0)	SYNCHRO	NATIONAL
JM54AC20B2A	M38510/75003B2A	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM54AC20BCA	M38510/75003BCA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM54AC20BCA-RH	M38510R75003BCA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM54AC20BDA	M38510/75003BDA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM54AC20BDA-RH	M38510R75003BDA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM54AC20S2A	M38510/75003S2A	2(3)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM54AC20SCA	M38510/75003SCA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM54AC20SCA-RH	M38510R75003SCA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM54AC20SDA	M38510/75003SDA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM54AC20SDA-RH	M38510R75003SDA	1(0)	NAND GATE, DUAL 4-INPUT	NATIONAL
JM54AC240B2A	M38510/75703B2A	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC240BRA	M38510/75703BRA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC240BRA-RH	M38510R75703BRA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC240BSA	M38510/75703BSA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC240BSA-RH	M38510/75703BSA	3(9.7)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC240S2A	M38510/75703S2A	3(9.7)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC240SRA	M38510/75703SRA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC240SRA-RH	M38510R75703SRA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC240SSA	M38510/75703SSA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC240SSA-RH	M38510R75703SSA	1(0)	BUFFER/DRIVER, OCTAL, INVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC241B2A	M38510/75704B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			OUTPUTS	
JM54AC241BRA	M38510/75704BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC241BRA-RH	M38510R75704BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC241BSA	M38510/75704BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC241BSA-RH	M38510R75704BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC241S2A	M38510/75704S2A	3(7.5)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC241SRA	M38510/75704SRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC241SRA-RH	M38510R75704SRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC241SSA	M38510/75704SSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC241SSA-RH	M38510R75704SSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC244B2A	M38510/75705B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC244BRA	M38510/75705BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC244BRA-RH	M38510R75705BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC244BSA	M38510/75705BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC244BSA-RH	M38510R75705BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC244S2A	M38510/75705S2A	3(10)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC244SRA	M38510/75705SRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC244SRA-RH	M38510R75705SRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC244SSA	M38510/75705SSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC244SSA-RH	M38510R75705SSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC245B2A	M38510/75503B2A	1(0)	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
JM54AC245BRA	M38510/75503BRA	1(0)	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
JM54AC245BRA-RH	M38510R75503BRA	1(0)	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
JM54AC245BSA	M38510/75503BSA	1(0)	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
JM54AC245BSA-RH	M38510R75503BSA	3(10)	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
JM54AC245S2A	M38510/75503S2A	3(10)	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			3-STATE INPUTS/OUTPUTS	
JM54AC245SRA	M38510/75503SRA	1(0)	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
JM54AC245SRA-RH	M38510R75503SRA	1(0)	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
JM54AC245SSA	M38510/75503SSA	1(0)	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
JM54AC245SSA-RH	M38510R75503SSA	1(0)	BUS TRANSCEIVER, 8-BIT, BIDIRECTIONAL, WITH 3-STATE INPUTS/OUTPUTS	NATIONAL
JM54AC257B2A	M38510/76207B2A	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC257B2A	M38510/76207B2A	1(0)	QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
JM54AC257BEA	M38510/76207BEA	1(0)	QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
JM54AC257BEA	M38510/76207BEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC257BFA	M38510/76207BFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC257BFA	M38510/76207BFA	1(0)	QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
JM54AC257S2A	M38510/76207S2A		QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
JM54AC257S2A	M38510/76207S2A		DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC257SEA	M38510/76207SEA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC257SEA	M38510/76207SEA	1(0)	QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
JM54AC257SFA	M38510/76207SFA	1(0)	QUAD TWO-INPUT MULTIPLEXER WITH THREE-STATE OUTPUTS	NATIONAL
JM54AC257SFA	M38510/76207SFA	1(0)	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC273B2A	M38510/75601B2A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
JM54AC273BRA	M38510/75601BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
JM54AC273BSA	M38510/75601BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
JM54AC273S2A	M38510/75601S2A	3(5.5)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
JM54AC273SRA	M38510/75601SRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
JM54AC273SSA	M38510/75601SSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLEAR	NATIONAL
JM54AC299B2A	M38510/76506B2A	1(0)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
JM54AC299BRA	M38510/76506BRA	1(0)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
JM54AC299BSA	M38510/76506BSA	1(0)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
JM54AC299S2A	M38510/76506S2A	3(9.7)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
JM54AC299SRA	M38510/76506SRA	1(0)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			COMMON PARALLEL I/O PINS	
JM54AC299SSA	M38510/76506SSA	1(0)	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS	NATIONAL
JM54AC32B2A	M38510/75201B2A	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC32BCA	M38510/75201BCA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC32BCA-RH	M38510R75201BCA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC32BDA	M38510/75201BDA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC32BDA-RH	M38510R75201BDA	3(10)	OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC32S2A	M38510/75201S2A	3(10)	OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC32SCA	M38510/75201SCA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC32SCA-RH	M38510R75201SCA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC32SDA	M38510/75201SDA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC32SDA-RH	M38510R75201SDA	1(0)	OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC373B2A	M38510/75403B2A	1(0)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC373BRA	M38510/75403BRA	1(0)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC373BRA-RH	M38510R75403BRA	1(0)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC373BSA	M38510/75403BSA	1(0)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC373BSA-RH	M38510R75403BSA	3(6.2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC373S2A	M38510/75403S2A	3(6.2)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC373SRA	M38510/75403SRA	1(0)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC373SRA-RH	M38510R75403SRA	1(0)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC373SSA	M38510/75403SSA	1(0)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC373SSA-RH	M38510R75403SSA	1(0)	LATCH, D-TYPE, 8-BIT, TRANSPARENT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC374B2A	M38510/75602B2A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC374BRA	M38510/75602BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC374BSA	M38510/75602BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC374S2A	M38510/75602S2A	2(3.7)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC374SRA	M38510/75602SRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC374SSA	M38510/75602SSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC377B2A	M38510/75603B2A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
JM54AC377BRA	M38510/75603BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
JM54AC377BSA	M38510/75603BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
JM54AC377S2A	M38510/75603S2A	3(10)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
JM54AC377SRA	M38510/75603SRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
JM54AC377SSA	M38510/75603SSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH CLOCK ENABLE	NATIONAL
JM54AC541B2A	M38510/75711B2A	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC541BRA	M38510/75711BRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC541BSA	M38510/75711BSA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC541S2A	M38510/75711S2A	3(10)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC541SRA	M38510/75711SRA	1(0)	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC541SSA	M38510/75711SSA	1(0)	BUFFER/DRIVER. OCTAL. NONINVERTING. WITH 3-STATE OUTPUTS	NATIONAL
JM54AC574B2A	M38510/75604B2A	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC574BRA	M38510/75604BRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC574BSA	M38510/75604BSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC574S2A	M38510/75604S2A	3(10)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC574SRA	M38510/75604SRA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC574SSA	M38510/75604SSA	1(0)	FLIP-FLOP, D-TYPE, 8-BIT, WITH 3-STATE OUTPUTS	NATIONAL
JM54AC74B2A	M38510/75302B2A	1(0)	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
JM54AC74BCA	M38510/75302BCA	1(0)	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
JM54AC74BDA	M38510/75302BDA	1(0)	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
JM54AC74S2A	M38510/75302S2A	3(10)	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
JM54AC74SCA	M38510/75302SCA	1(0)	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
JM54AC74SDA	M38510/75302SDA	1(0)	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET	NATIONAL
JM54AC86B2A	M38510/75202B2A	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC86BCA	M38510/75202BCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC86BCA-RH	M38510R75202BCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC86BDA	M38510/75202BDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC86BDA-RH	M38510R75202BDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC86S2A	M38510/75202S2A	2(2.7)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC86SCA	M38510/75202SCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC86SCA-RH	M38510R75202SCA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC86SDA	M38510/75202SDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JM54AC86SDA-RH	M38510R75202SDA	1(0)	EXCLUSIVE-OR GATE, QUAD 2-INPUT	NATIONAL
JN4002ABCA	M38510/05203BCA	2(3)	NOR GATE, DUAL 4-INPUT	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
LF147D/883	8102306CA	1	OP AMP, QUAD, BIFET, LOW-POWER	NATIONAL
LF198H/883B	5962-8760801GA	1(0)	SAMPLE AND HOLD AMPLIFIER	NATIONAL
LH0033G/883	8001401ZA	1	VOLT. FOLLOWER/BUFFER	NATIONAL
LH003SG	8001301ZA	1	EXT COMP SINGLE AMP DIFF INPUT SINGLE OUTPUT HIGH SPEED	NATIONAL
LM103H-3.0	7702806XA	3	VOLT. REFERENCE, 3.0V	NATIONAL
LM103H-3.3	7702807XA	3	VOLT. REFERENCE, 3.3V	NATIONAL
LM103H-3.6	7702808XA	3	VOLT. REFERENCE, 3.6V	NATIONAL
LM103H-3.9	7702809XA	3	VOLT. REFERENCE, 3.9V	NATIONAL
LM104H/883B	5962-8760501IA	2	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
LM105H/883	5962-8958801GA	1	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
LM106H/883	8003701GA	1	VOLT. COMPARATOR, HIGH-SPEED	NATIONAL
LM107H/883	5962-8958901GA	1	OP AMP	NATIONAL
LM107J-14/883	5962-8958901CA	1	OP AMP	NATIONAL
LM107J/883	5962-8958901PA	1	OP AMP	NATIONAL
LM108	M38510/10104BPA	1(.5)	OP AMP, GENERAL PURPOSE	T.I.
LM109KSTEEL/883	5962-8777401YA	3	VOLT. REGULATOR, FIXED, POSITIVE, 5V	NATIONAL
LM10H/883B	5962-8760401GA	1	OP AMP/VOLT. REFERENCE	NATIONAL
LM110H/883B	5962-8760601GA	1	VOLT. FOLLOWER, HIGH-SPEED	NATIONAL
LM110J-8/883B	5962-8760601PA	1	VOLT. FOLLOWER, HIGH-SPEED	NATIONAL
LM110J/883B	5962-8760601CA	1	VOLT. FOLLOWER, HIGH-SPEED	NATIONAL
LM111	M38510/10304BPA	1(0)	VOLT. COMPARATOR/BUFFER, PRECISION	T.I.
LM113-1H/883B	5962-8671102XA	3	VOLT. REFERENCE DIODE	NATIONAL
LM113-2H/883B	5962-8671103XA	3	VOLT. REFERENCE DIODE	NATIONAL
LM113H/883B	5962-8671101XA	3	VOLT. REFERENCE DIODE	NATIONAL
LM117H/883B	7703401XA	1(0)	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
LM117HVH-STEEL/883	7703402XA	1	VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE	NATIONAL
LM117HVK-STEEL/883	7703402YA	3	VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE	NATIONAL
LM117K-STEEL/883B	7703401YA	1(0)	VOLT. REGULATOR, ADJ., POSITIVE	NATIONAL
LM118	M38510/10107BPA	1(1)	OP AMP, HIGH-SPEED	T.I.
LM119E/883	86014012A	1(0)	VOLT. COMPARATOR, DUAL, HIGH-SPEED	NATIONAL
LM119H/883	8601401IA	1(0)	VOLT. COMPARATOR, DUAL, HIGH-SPEED	NATIONAL
LM119J/883	8601401CA	1(0)	VOLT. COMPARATOR, DUAL, HIGH-SPEED	NATIONAL
LM119W/883	8601401HA	1	VOLT. COMPARATOR, DUAL, HIGH-SPEED	NATIONAL
LM122H/883	5962-9163101MIA	1	TIMER, PRECISION	NATIONAL
LM124	M38510/11005BDA	1(0)	OP AMP, QUAD	T.I.
LM124	7704301DA	1(<.5)	OP AMP, QUAD	T.I.
LM124	M38510/11005BCA	1(0)	OP AMP, QUAD	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
LM124	77043012A	1(<.5)	OP AMP, QUAD	T.I.
LM124	7704301CA	1(<.5)	OP AMP, QUAD	T.I.
LM124A	7704302CA	1(<.5)	OP AMP, QUAD	T.I.
LM124A	77043022A	1(<.5)	OP AMP, QUAD	T.I.
LM124AE/883	77043022A	1	OP AMP, QUAD	NATIONAL
LM124AJ/883	7704302CA	1(0)	OP AMP, QUAD	NATIONAL
LM124E/883	77043012A	1(0)	OP AMP, QUAD	NATIONAL
LM124J/883	7704301CA	1(0)	OP AMP, QUAD	NATIONAL
LM129AH/883	5962-8992101XA	1	VOLT, REFERENCE, 6.9V, PRECISION	NATIONAL
LM129BH/883	5962-8992102XA	1	VOLT, REFERENCE, 6.9V, PRECISION	NATIONAL
LM131AH/883B	5962-8760701GA	2	VOLT.-TO-FREQUENCY CONVERTER	NATIONAL
LM136AH-5.0/883B	8418002XA	1	VOLT. REFERENCE, 5.0V, PRECISION	NATIONAL
LM137H/883B	7703403XA	1(0)	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
LM137HVH/883	7703404XA	2	VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE	NATIONAL
LM137HVK-STEEL/883	7703404YA	3	VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE	NATIONAL
LM137K-STEEL/883B	7703403YA	1(0)	VOLT. REGULATOR, ADJ., NEGATIVE	NATIONAL
LM139	7700801CA	1(<.5)	VOLT. COMPARATOR, QUAD	T.I.
LM139	M38510/11201BCA	1(0)	VOLT. COMPARATOR, QUAD	T.I.
LM139	M38510/11201BDA	1(0)	VOLT. COMPARATOR, QUAD	T.I.
LM139	7700801DA	1(<.5)	VOLT. COMPARATOR, QUAD	T.I.
LM139	77008012A	1(<.5)	VOLT. COMPARATOR, QUAD	T.I.
LM139AJ/883	5962-8773901CA	1	VOLT. COMPARATOR, QUAD	NATIONAL
LM143H/883B	7800303XA	1	OP AMP, HIGH-VOLTAGE	NATIONAL
LM144H/883B	7800301GA	3	OP AMP, HIGH-VOLTAGE	NATIONAL
LM150KSTEEL/883B	5962-8767501XA	1(0)	VOLT. REGULATOR, ADJ., POSITIVE, 3.0A	NATIONAL
LM1536H/883	7800304XA	1	OP AMP, HIGH-VOLTAGE	NATIONAL
LM1575J-ADJ/883	5962-9167101MEA	2	VOLT. REGULATOR, ADJ., POSITIVE, STEP-DOWN SWITCHING	NATIONAL
LM1575K-ADJ/883	5962-9167101MXA	1	VOLT. REGULATOR, ADJ., POSITIVE, STEP-DOWN SWITCHING	NATIONAL
LM1575K-ADJ/883	5962-9167101MXA	2	VOLT. REGULATOR, ADJ., POSITIVE, STEP-DOWN SWITCHING	NATIONAL
LM1577K-12/883	5962-9216701MXA	3	VOLT. REGULATOR, FIXED, POSITIVE, 12V, STEP-UP	NATIONAL
LM1577K-15/883	5962-9216801MXA	3	VOLT. REGULATOR, FIXED, POSITIVE, 15V, STEP-UP	NATIONAL
LM1577K-ADJ/883	5962-9216601MXA	3	VOLT. REGULATOR, ADJUSTABLE STEP-UP	NATIONAL
LM1578AH/883	5962-8958602GA	1(0)	VOLT. REGULATOR, SWITCHING	NATIONAL
LM1578H/883	5962-8958601GA	2	VOLT. REGULATOR, SWITCHING	NATIONAL
LM158	5962-87710012A	1(.5)	OP AMP, DUAL, LOW-POWER	T.I.
LM158	5962-8771001PA	1(.5)	OP AMP, DUAL, LOW-POWER	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
LM158A	5962-8771002PA	1(.5)	OP AMP, DUAL, LOW-POWER	T.I.
LM158A	5962-87710022A	1(.5)	OP AMP, DUAL, LOW-POWER	T.I.
LM158AH/883	5962-8771002GA	1	OP AMP, DUAL, LOW-POWER	NATIONAL
LM158AJ/883	5962-8771002PA	1	OP AMP, DUAL, LOW-POWER	NATIONAL
LM158H/883	5962-8771001GA	1	OP AMP, DUAL, LOW-POWER	NATIONAL
LM158J/883	5962-8771001PA	1	OP AMP, DUAL, LOW-POWER	NATIONAL
LM160H/883	5962-8767401GA	1	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
LM160J-14/883	5962-8767401CA	1	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
LM160J/883	5962-8767401PA	1	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
LM161F/883B	5962-8757203BA	1	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
LM161H/883B	5962-8757203IA	1	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
LM161J/883B	5962-8757203CA	1	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
LM185BE/883	5962-9091401M2A	1	VOLTAGE REFERENCE, ADJUSTABLE	NATIONAL
LM185BH/883	5962-9091401MXA	1	VOLTAGE REFERENCE, ADJUSTABLE	NATIONAL
LM185BYH1.2/883	5962-8759405XA	3	VOLT. REFERENCE DIODE	NATIONAL
LM185BYH2.5/883	5962-8759406XA	3	VOLT. REFERENCE DIODE	NATIONAL
LM185H-1.2/883	5962-8759401XA	3	VOLT. REFERENCE DIODE	NATIONAL
LM185H-2.5/883	5962-8759402XA	3	VOLT. REFERENCE DIODE	NATIONAL
LM193	M38510/11202BPA	1(.5)	VOLT. COMPARATOR, DUAL	T.I.
LM194H/883	5962-8777701XA	2	TRANSISTOR ARRAY, MATCHED PAIR	NATIONAL
LM195H/883	5962-8777801XA	3	TRANSISTOR ARRAY, POWER	NATIONAL
LM195K/883	5962-8777801YA	3	TRANSISTOR ARRAY, POWER	NATIONAL
LM199AH-20/883	5962-8856103XA	2	VOLT. REFERENCE, PRECISION	NATIONAL
LM199AH/883	5962-8856101XA	2	VOLT. REFERENCE, PRECISION	NATIONAL
LM199H/883	5962-8856102XA	2	VOLT. REFERENCE, PRECISION	NATIONAL
LM2940K-12/883C	5962-9088401MYA	3	VOLT. REGULATOR, 12V, 1.0A, LOW DROPOUT	NATIONAL
LM2940K-15/883C	5962-9088501MYA	3	VOLT. REGULATOR, 15V, 1.0A, LOW DROPOUT	NATIONAL
LM2940K-5.0/883	5962-8958701YA	3	VOLT. REGULATOR, FIXED, POSITIVE, LOW DROPOUT, 5V, 1.0A	NATIONAL
LM2940K-8/883C	5962-9088301MYA	1(0)	VOLT. REGULATOR, 8V, 1.0A, LOW DROPOUT	NATIONAL
LM604AMJ/883	5962-8963901VA	2	OP AMP, MULTIPLEXER, QUAD	NATIONAL
LM6118E/883	5962-9156501M2A	3	OP AMP, DUAL, FAST-SETTLING	NATIONAL
LM6118J/883	5962-9156501MPA	3	OP AMP, DUAL, FAST-SETTLING	NATIONAL
LM6121H/883	5962-9081201MGA	2	BUFFER, HIGH-SPEED	NATIONAL
LM6125H/883B	5962-9081501MGA	1(0)	BUFFER, HIGH-SPEED	NATIONAL
LM612AMJ/883	5962-9300201MPA	1	COMPARATOR AND REFERENCE, DUAL-CHANNEL	NATIONAL
LM6161E/883	5962-89621012A	1	OP AMP, HIGH-SPEED	NATIONAL
LM6161J/883	5962-8962101PA	1	OP AMP, HIGH-SPEED	NATIONAL

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
LM6161W/883	5962-8962101HA	1	OP AMP, HIGH-SPEED	NATIONAL
LM6162E/883	5962-9216501M2A	1	OP AMP, HIGH-SPEED	NATIONAL
LM6162J/883	5962-9216501MPA	1	OP AMP, HIGH-SPEED	NATIONAL
LM6162W/883	5962-9216501MHA	1	OP AMP, HIGH-SPEED	NATIONAL
LM6164E/883	5962-89624012A	1	OP AMP, HIGH-SPEED	NATIONAL
LM6164J/83	5962-8962401PA	1	OP AMP, HIGH-SPEED	NATIONAL
LM6164W/883	5962-8962401HA	1	OP AMP, HIGH-SPEED	NATIONAL
LM6165E/883	5962-89625012A	1	OP AMP, HIGH-SPEED	NATIONAL
LM6165J/883	5962-8962501PA	1	OP AMP, HIGH-SPEED	NATIONAL
LM6165W/883	5962-8962501HA	1	OP AMP, HIGH-SPEED	NATIONAL
LM6181J/883	5962-9081802MPA			NATIONAL
LM709H/883B	7800701GA	1(0)	OP AMP, GENERAL PURPOSE	NATIONAL
LM759H/883	5962-9086201MGA	1	OP AMP, POWER	NATIONAL
LM760H/883	5962-8754501GA	1	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
LM760J/883	5962-8754501CA	1	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED	NATIONAL
LMC555H/883C	5962-8950305GA	1		NATIONAL
LMC555J/883C	5962-8950305PA	1	TIMER, PRECISION	NATIONAL
LMC6062AMJ/883	5962-9209403MPA	2	OP AMP, DUAL	NATIONAL
LMC6064AMJ/883	5962-9209303MCA		OP AMP, QUAD	NATIONAL
LMC6482AMJ/883	5962-9453401MPA			NATIONAL
LMC6484AMJ/883	5962-9453402MCA			NATIONAL
LMC660AMJ/883	5962-9209301MCA	1	OP AMP, QUAD	NATIONAL
LMC662AMJ/883	5962-9209401MPA	2	OP AMP, DUAL	NATIONAL
LMF100AE/83	5962-9153301M2X	2		NATIONAL
LMF100AE/883	5962-9153301M2X			NATIONAL
LMF100AJ/883	5962-9153301MRA	2	FILTER, DUAL, SWITCHED, HIGH PERFORMANCE	NATIONAL
LMF60CMJ100/883	5962-9096701MCA	1(0)	FILTER, 6TH-ORDER SWITCHED CAPACITOR BUTTERWORTH LOW-PASS	NATIONAL
LMF60CMJ50/883	5962-9096702MCA	1(0)	FILTER, 6TH-ORDER SWITCHED CAPACITOR BUTTERWORTH LOW-PASS	NATIONAL
LMF90CMJ/883	5962-9096801MCA	2	FILTER, 4TH-ORDER ELLIPTIC NOTCH	NATIONAL
LP2951E/883	5962-3870501M2A	1	VOLT. REGULATOR, ADJ.	NATIONAL
LP2951H/883	5962-3870501MGA	1	VOLT. REGULATOR, ADJ.	NATIONAL
LP2951J/883	5962-3870501MPA	1	VOLT. REGULATOR, ADJ.	NATIONAL
LP2953AMJ/883	5962-9233601MEA	2	VOLT. REGULATOR, ADJUSTABLE MICROPOWER LOW-DROPOUT	NATIONAL
LPC660AMJ/883	5962-9209302MCA	1	OP AMP, QUAD, LOW-POWER	NATIONAL
LPC662AMJ/883	5962-9209402MPA	2	OP AMP, DUAL, LOW-POWER	NATIONAL
LT1007A	5962-87578012A	3(4)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
LT1007A	5962-8757801PA	3(4)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
LT1013	5962-8876002PA	1(1)	OP AMP, DUAL MATCHED, HIGH PERFORMANCE	T.I.
LT1013	5962-88760022A	1(1)	OP AMP, DUAL MATCHED, HIGH PERFORMANCE	T.I.
LT1013A	5962-8876001PA	1(1)	OP AMP, DUAL MATCHED, HIGH PERFORMANCE	T.I.
LT1013A	5962-88760012A	1(1)	OP AMP, DUAL MATCHED, HIGH PERFORMANCE	T.I.
LT1014	5962-8967702CA	1(1)	OP AMP, QUAD, PRECISION	T.I.
LT1014	5962-89677022A	1(1)	OP AMP, QUAD, PRECISION	T.I.
LT1014A	5962-8967701CA	1(1)	OP AMP, QUAD, PRECISION	T.I.
LT1014A	5962-89677012A	1(1)	OP AMP, QUAD, PRECISION	T.I.
LT1037A	5962-8856701PA	3(4)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
LT1037A	5962-88567012A	3(4)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
MD80C86-2/883	8405202QA		MICROPROCESSOR, 16-BIT, 8 MHZ	HARRIS
MD80C86/883	8405201QA		MICROPROCESSOR, 16-BIT, 5 MHZ	HARRIS
MD80C88/883	5962-8601601QA		MICROPROCESSOR, 8-BIT	HARRIS
MD82C237	5962-9054304MQA		DMA CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
MD82C237-12	5962-9054305MQA		DMA CONTROLLER, PROGRAMMABLE, 12.5 MHZ	HARRIS
MD82C37A	5962-9054302MQA		DMA CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
MD82C37A-12	5962-9054303MQA		DMA CONTROLLER, PROGRAMMABLE, 12.5 MHZ	HARRIS
MD82C37A-5	5962-9054301MQA		DMA CONTROLLER, PROGRAMMABLE, 5 MHZ	HARRIS
MD82C52/883	8501501XA		CONTROLLER INTERFACE, SERIAL, 16 MHZ	HARRIS
MD82C54-12/883	8406502JA		INTERVAL TIMER, PROGRAMMABLE	HARRIS
MD82C54/883	8406501JA		INTERVAL TIMER, PROGRAMMABLE	HARRIS
MD82C55A-5/883	8406601QA		PERIPHERAL INTERFACE, PROGRAMMABLE, 5.0 MHZ	HARRIS
MD82C55A-5/883	8406601XA		PERIPHERAL INTERFACE, PROGRAMMABLE, 5.0 MHZ	HARRIS
MD82C55A/883	8406602QA		PERIPHERAL INTERFACE, PROGRAMMABLE, 8.0 MHZ	HARRIS
MD82C59A-5/B	5962-8501601YA		INTERRUPT CONTROLLER, PROGRAMMABLE, 5 MHZ	HARRIS
MD82C59A/B	5962-8501602YA		INTERRUPT CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
MD82C82/883	8406701RA		BUS DRIVER, OCTAL LATCHED	HARRIS
MD82C83H/883	8406702RA		BUS DRIVER, OCTAL LATCHED	HARRIS
MD82C84A/883	8406801VA		CLOCK GENERATOR/DRIVER, 25 MHZ	HARRIS
MD82C86H-5/883	5962-8757701RA		BUS TRANSCEIVER, 8-BIT	HARRIS
MD82C87H-5/883	5962-8757702RA		BUS TRANSCEIVER, 8-BIT, WITH INVERTING OUTPUTS	HARRIS
MD82C88/883	8406901RA		BUS CONTROLLER, 8 MHZ	HARRIS
MD82C89/B	5962-8552801RA		BUS ARBITER, 8 MHZ	HARRIS
MG80486DX2-50	5962-9310503MQA	1		INTEL
MG80486DX2-66	5962-9310504MQA	1		INTEL
MG80C286-10/883	5962-9067801MXC		MICROPROCESSOR, 16-BIT, 10 MHZ	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
MG80C286-12/883	5962-9067802MXC		MICROPROCESSOR, 16-BIT, 12 MHZ	HARRIS
MM54C08J/883B	7703601CA	1	AND GATE, QUAD 2-INPUT	NATIONAL
MM54C08W/883	7703601DA	1	AND GATE, QUAD 2-INPUT	NATIONAL
MM54C85J/883	7703701EA	1	MAGNITUDE COMPARATOR, 4-BIT	NATIONAL
MM54C85W/883	7703701FA	1	MAGNITUDE COMPARATOR, 4-BIT	NATIONAL
MM54C922J/883	5962-8752101VA	1	KEYBOARD ENCODER, 16-KEY, WITH 3-STATE OUTPUTS	NATIONAL
MM54HC123AE/883	5962-86847022A	1	MULTIVIBRATOR, DUAL MONOSTABLE REGRIGGERABLE	NATIONAL
MM54HC123AJ/883	5962-8684702EA	1	MULTIVIBRATOR, DUAL MONOSTABLE REGRIGGERABLE	NATIONAL
MM78C29J/883	5962-9321001MCA	1	LINE DRIVER, QUAD SINGLE-ENDED	NATIONAL
MM78C30J/883	5962-8988201CA	1	LINE DRIVER, DUAL DIFFERENTIAL	NATIONAL
MQ80386-16	5962-8766801MYA	1	MICROPROCESSOR, 32-BIT, 16 MHZ	INTEL
MQ80386-20	5962-8766803MYA	1	MICROPROCESSOR, 32-BIT, 20 MHZ	INTEL
MQ80386-25	5962-8766804MYA	1	MICROPROCESSOR, 32-BIT, 25 MHZ	INTEL
MQ80386Q-20	5962-8766803QYX	1	MICROPROCESSOR, 32-BIT, 20 MHZ	INTEL
MQ80386Q-25	5962-8766804QYX	1	MICROPROCESSOR, 32-BIT, 25 MHZ	INTEL
MQ80387	5962-8953401MYA	1	NUMERIC PROCESSOR EXTENSION, 80-BIT	INTEL
MQ80387-20	5962-8953402MYA	1	NUMERIC PROCESSOR EXTENSION, 80-BIT	INTEL
MQ80387-25	5962-8953403MYA	1	NUMERIC PROCESSOR EXTENSION, 80-BIT	INTEL
MQ80387Q-20	5962-8953402QYX	1	NUMERIC PROCESSOR EXTENSION, 80-BIT	INTEL
MQ80387Q-25	5962-8953403QYX	1	NUMERIC PROCESSOR EXTENSION, 80-BIT	INTEL
MR80C86-2/883	8405202XA		MICROPROCESSOR, 16-BIT, 8 MHZ	HARRIS
MR80C86/883	8405201XA		MICROPROCESSOR, 16-BIT, 5 MHZ	HARRIS
MR80C88/883	5962-8601601XA		MICROPROCESSOR, 8-BIT	HARRIS
MR82C237	5962-9054304MXA		DMA CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
MR82C237-12	5962-9054305MXA		DMA CONTROLLER, PROGRAMMABLE, 12.5 MHZ	HARRIS
MR82C37A	5962-9054302MXA		DMA CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
MR82C37A-12	5962-9054303MXA		DMA CONTROLLER, PROGRAMMABLE, 12.5 MHZ	HARRIS
MR82C37A-5	5962-9054301MXA		DMA CONTROLLER, PROGRAMMABLE, 5 MHZ	HARRIS
MR82C52/883	85015013A		CONTROLLER INTERFACE, SERIAL, 16 MHZ	HARRIS
MR82C54-12/883	84065023A		INTERVAL TIMER, PROGRAMMABLE	HARRIS
MR82C54/883	84065013A		INTERVAL TIMER, PROGRAMMABLE	HARRIS
MR82C59A-5/B	5962-85016013A		INTERRUPT CONTROLLER, PROGRAMMABLE, 5 MHZ	HARRIS
MR82C59A/B	5962-85016023A		INTERRUPT CONTROLLER, PROGRAMMABLE, 8 MHZ	HARRIS
MR82C82/883	84067012A		BUS DRIVER, OCTAL LATCHED	HARRIS
MR82C83H/883	84067022A		BUS DRIVER, OCTAL LATCHED	HARRIS
MR82C84A/883	84068012A		CLOCK GENERATOR/DRIVER, 25 MHZ	HARRIS
MR82C86H-5/883	5962-87577012A		BUS TRANSCEIVER, 8-BIT	HARRIS

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
MR82C87H-5/883	5962-87577022A		BUS TRANSCEIVER, 8-BIT, WITH INVERTING OUTPUTS	HARRIS
MR82C88/883	84069012A		BUS CONTROLLER, 8 MHZ	HARRIS
MR82C89/B	5962-85528012A		BUS ARBITER, 8 MHZ	HARRIS
NM93CS66J/883	5962-9154901MPA	2	PROM, ELECTR. ERASABLE, 256 X 16	NATIONAL
NSC800D-35/883	8301302QA	1	MICROPROCESSOR, 8-BIT, 3.5 MHZ	NATIONAL
NSC800D/883B	8301301QA	1	MICROPROCESSOR, 8-BIT, 2.5 MHZ	NATIONAL
NSC800E-35/883	8301302ZA	1	MICROPROCESSOR, 8-BIT, 3.5 MHZ	NATIONAL
NSC800E/883B	8301301ZA	1	MICROPROCESSOR, 8-BIT, 2.5 MHZ	NATIONAL
OP-37A	5962-88537012A	1(0)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
OP-37A	5962-8853701PA	1(0)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
OP-37C	5962-8853703PA	1(0)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
OP-37C	5962-88537032A	1(0)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
OP07H/883	8203602GA	1(0)	OP AMP, LOW-OFFSET	NATIONAL
OP27	M38510/13503BPA	3(4)	OP AMP, PRECISION	T.I.
PAL16L8-10	5962-8515517SA	3(4)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-10	5962-8515517RA	3(4)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-10	5962-85155172A	3(4)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-12	5962-8515513RA	3(4)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-12	5962-8515513SA	3(4)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-12	5962-85155132A	3(4)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-15	5962-8515509SA	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-15	5962-8515509RA	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-15	5962-85155092A	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-20	5962-85155012A	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-20	5962-8515501RA	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-20	5962-8515501SA	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-30	5962-8515505SA	1(1.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-30	5962-8515505RA	1(1.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8-30	5962-85155052A	1(1.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8A	81036072A	2(2)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			AND-OR-INVERT	
PAL16L8A	8103607RA	2(2)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8A	8103607SA	2(2)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL16L8A-2	81036112A	1(0)	PROG. LOGIC DEVICE, 16-INPUT 8 OUTPUT AND-OR-INVERT	T.I.
PAL16L8A-2	8103611SA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 8 OUTPUT AND-OR-INVERT	T.I.
PAL16L8A-2	8103611RA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 8 OUTPUT AND-OR-INVERT	T.I.
PAL16R4-10	5962-8515520SA	2(2)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-10	5962-8515520RA	2(2)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-10	5962-85155202A	2(2)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-12	5962-8515516SA	2(2)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-12	5962-85155162A	2(2)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-12	5962-8515516RA	2(2)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-15	5962-8515512SA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-15	5962-8515512RA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-15	5962-85155122A	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-20	5962-85155042A	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-20	5962-8515504RA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-20	5962-8515504SA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-30	5962-8515508SA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-30	5962-85155082A	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4-30	5962-8515508RA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4A	81036102A	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT AND-OR	T.I.
PAL16R4A	8103610SA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT AND-OR	T.I.
PAL16R4A	8103610RA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT AND-OR	T.I.
PAL16R4A-2	81036142A	1(.5)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4A-2	8103614SA	1(.5)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL16R4A-2	8103614RA	1(.5)	PROG. LOGIC DEVICE, 16-INPUT 4-OUTPUT REGISTERED	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			AND-OR	
PAL16R6-10	5962-8515519SA	2(2)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-10	5962-8515519RA	2(2)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-10	5962-85155192A	2(2)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-12	5962-85155152A	3(4)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-12	5962-8515515SA	3(4)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-12	5962-8515515RA	3(4)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-15	5962-8515511SA	1(1)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-15	5962-85155112A	1(1)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-15	5962-8515511RA	1(1)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-20	5962-8515503SA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-20	5962-8515503RA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-20	5962-85155032A	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-30	5962-85155072A	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-30	5962-8515507SA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6-30	5962-8515507RA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6A	8103609SA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT AND-OR	T.I.
PAL16R6A	8103609RA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT AND-OR	T.I.
PAL16R6A	81036092A	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT AND-OR	T.I.
PAL16R6A-2	8103613RA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6A-2	81036132A	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R6A-2	8103613SA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-10	5962-85155182A	2(2)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-10	5962-8515518RA	2(2)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8 10	5962-8515518SA	2(2)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-12	5962-8515514RA	3(4)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-12	5962-85155142A	3(4)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			AND-OR	
PAL16R8-12	5962-8515514SA	3(4)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-15	5962-85155102A	1(0)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-15	5962-8515510SA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-15	5962-8515510RA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-20	5962-8515502SA	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-20	5962-8515502RA	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-20	5962-85155022A	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-30	5962-8515506SA	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-30	5962-85155062A	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8-30	5962-8515506RA	1(<.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8A	81036082A	1(.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR	T.I.
PAL16R8A	8103608RA	1(.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR	T.I.
PAL16R8A	8103608SA	1(.5)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT AND-OR	T.I.
PAL16R8A-2	8103612SA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8A-2	8103612RA	1(0)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL16R8A-2	81036122A	1(0)	PROG. LOGIC DEVICE, 16-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL20L8-10	5962-8767115KA	2(2)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR INVERT	T.I.
PAL20L8-10	5962-8767115LA	2(2)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR INVERT	T.I.
PAL20L8-10	5962-87671153A	2(2)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR INVERT	T.I.
PAL20L8-20	8412901XA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL20L8-20	8412901LA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL20L8-20	8412901KA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL20L8-20	5962-8767101KA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL20L8-20	5962-8767101LA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL20L8-20	5962-87671013A	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT AND-OR-INVERT	T.I.
PAL20R4-10	5962-87671183A	2(2)	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			AND-OR	
PAL20R4-10	5962-8767118KA	2(2)	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL20R4-10	5962-8767118LA	2(2)	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL20R4-20	8412904KA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL20R4-20	8412904LA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL20R4-20	8412904XA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL20R4-20	5962-8767104LA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL20R4-20	5962-87671043A	1(0)	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL20R4-20	5962-8767104KA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 4-OUTPUT REGISTERED AND-OR	T.I.
PAL20R6-10	5962-8767117LA	2(2)	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL20R6-10	5962-87671173A	2(2)	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL20R6-10	5962-8767117KA	2(2)	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL20R6-20	8412903LA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL20R6-20	8412903KA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL20R6-20	8412903XA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL20R6-20	5962-8767103KA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL20R6-20	5962-8767103LA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL20R6-20	5962-87671033A	1(0)	PROG. LOGIC DEVICE, 20-INPUT 6-OUTPUT REGISTERED AND-OR	T.I.
PAL20R8-10	5962-8767116KA	2(2)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL20R8-10	5962-87671163A	2(2)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL20R8-10	5962-8767116LA	2(2)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL20R8-20	8412902KA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL20R8-20	8412902XA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL20R8-20	8412902LA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL20R8-20	5962-8767102KA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL20R8-20	5962-87671023A	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
			AND-OR	
PAL20R8-20	5962-8767102LA	1(0)	PROG. LOGIC DEVICE, 20-INPUT 8-OUTPUT REGISTERED AND-OR	T.I.
PAL20R8-7	5962-8767119KA	2(2)	PROG. LOGIC DEVICE	T.I.
PAL20R8-7	5962-8767119LA	2(2)	PROG. LOGIC DEVICE	T.I.
PAL20R8-7	5962-87671193A	2(2)	PROG. LOGIC DEVICE	T.I.
PAL22V10-20	5962-8605304LA	2(2)	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
PAL22V10-20	5962-8605304KA	2(2)	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
PAL22V10-20	5962-86053043A	2(2)	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
PAL22V10A	5962-86053013A	2(2)	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
PAL22V10A	5962-8605301LA	2(2)	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
PAL22V10A	5962-8605301KA	2(2)	PROG. LOGIC DEVICE, 22-INPUT 10-OUTPUT REGISTERED AND-OR	T.I.
PAL22VP10-25	5962-8605303KA	1(0)	PROG. LOGIC DEVICE, 22-INPUT 10 OUTPUT REGISTERED AND-OR	T.I.
PAL22VP1025	5962-8605303LA	1(0)	PROG. LOGIC DEVICE, 22-INPUT 10 OUTPUT REGISTERED AND-OR	T.I.
PAL22VP1025	5962-86053033A	1(0)	PROG. LOGIC DEVICE, 22-INPUT 10 OUTPUT REGISTERED AND-OR	T.I.
SCAN18245TFMQB	5962-9311501MXA			NATIONAL
SCAN18373TFMQB	5962-9311801MXA			NATIONAL
SCAN18374TFMQB	5962-9320701MXA			NATIONAL
SCAN18540TFMQB	5962-9312701MXA			NATIONAL
SCAN18541TFMQB	5962-9311601MXA			NATIONAL
SE555	M38510/10901BCA	1(.5)	TIMER, PRECISION	T.I.
SE555	M38510/10901BPA	1(.5)	TIMER, PRECISION	T.I.
SE556	M38510/10902BCA	1(.5)	TIMER, DUAL PRECISION	T.I.
SE592	8418502CA	1(.5)	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT	T.I.
SE592	8418502HA	1(.5)	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT	T.I.
SJM181BCA	M38510/11101BCA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM181BCC	M38510/11101BCC	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM181BIA	M38510/11101BIA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM181BIC	M38510/11101BIC	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM181BXA	M38510/11101BXA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM181BXA	M38510/11101BXA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM182BCA	M38510/11102BCA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM182BCC	M38510/11102BCC	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
SJM182BIA	M38510/11102BIA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM182BIC	M38510/11102BIC	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM182BXA	M38510/11102BXA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM182BXC	M38510/11102BXA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM184BEA	M38510/11103BEA	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM184BEC	M38510/11103BEC	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM184BXA	M38510/11103BXA	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM184BXC	M38510/11103BXC	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM185BEA	M38510/11104BEA	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM185BEC	M38510/11104BEC	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM185BXA	M38510/11104BXA	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM185BXC	M38510/11104BXC	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM187BCA	M38510/11105BCA	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM187BCC	M38510/11105BCC	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM187BIA	M38510/11105BIA	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM187BIC	M38510/11105BIC	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM187BXA	M38510/11105BXA	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM187BXC	M38510/11105BXC	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM188BCA	M38510/11106BCA	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM188BCC	M38510/11106BCC	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM188BIA	M38510/11106BIA	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM188BIC	M38510/11106BIC	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM188BXA	M38510/11106BXA	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM188BXC	M38510/11106BXC	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM190BEA	M38510/11107BEA	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM190BEC	M38510/11107BEC	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM190BXA	M38510/11107BXA	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM190BXC	M38510/11107BXC	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM191BEA	M38510/11108BEA	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM191BEC	M38510/11108BEC	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM191BXA	M38510/11108BXA	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM191BXC	M38510/11108BXC	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM200BCA	M38510/12301BCA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM200BCC	M38510/12301BCC	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM200BIA	M38510/12301BIA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM200BIC	M38510/12301BIC	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM201BEA	M38510/12302BEA	1(0.5)	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
SJM201BEC	M38510/12302BEC	1(0.5)	ANALOG SWITCH, SPST, 4-CHANNEL	SILICONIX
SJM300BCA	M38510/11601BCA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM300BCC	M38510/11601BCC	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM300BIA	M38510/11601BIA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM300BIC	M38510/11601BIC	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM301BCA	M38510/11602BCA	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM301BCC	M38510/11602BCC	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM301BIA	M38510/11602BIA	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM301BIC	M38510/11602BIC	1(0.5)	ANALOG SWITCH, SPDT, 1-CHANNEL	SILICONIX
SJM302BCA	M38510/11603BCA	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM302BCC	M38510/11603BCC	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM303BCA	M38510/11604BCA	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM303BCC	M38510/11604BCC	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM304BBCA	M38510/11605BCA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM304BCC	M38510/11605BCC	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM304BIA	M38510/11605BIA	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM304BIC	M38510/11605BIC	1(0.5)	ANALOG SWITCH, SPST, 2-CHANNEL	SILICONIX
SJM305BCA	M38510/11606BCA	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM305BCC	M38510/11606BCC	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM305BIA	M38510/11606BIA	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM305BIC	M38510/11606BIC	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM306BCA	M38510/11607BCA	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM306BCC	M38510/11607BCC	1(0.5)	ANALOG SWITCH, DPST, 2-CHANNEL	SILICONIX
SJM307BCA	M38510/11608BCA	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM307BCC	M38510/11608BCC	1(0.5)	ANALOG SWITCH, SPDT, 2-CHANNEL	SILICONIX
SJM506BXC	M38510/19001BXC	1(0.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL	SILICONIX
SJM508BEA	M38510/19007BEA	1(0.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	SILICONIX
SJM508BEC	M38510/19007BEC	1(0.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL	SILICONIX
SJM509BEA	M38510/19008BEA	1(0.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, DUAL 4-CHANNEL	SILICONIX
SJM509BEC	M38510/19008BEC	1(0.5)	ANALOG MULTIPLEXER/DEMULTIPLEXER, DUAL 4-CHANNEL	SILICONIX
TL061	8102301PA	1(.5)	OP AMP, BIFET, LOW-POWER	T.I.
TL061	8102301HA	1(.5)	OP AMP, BIFET, LOW-POWER	T.I.
TL061	81023012A	1(.5)	OP AMP, BIFET, LOW-POWER	T.I.
TL062	8102302PA	2(2)	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
TL062	8102302HA	2(2)	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
TL062	81023022A	2(2)	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
TL064	8102303DA	2(2)	OP AMP, QUAD, BIFET, LOW-POWER	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
TL064	81023032A	2(2)	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
TL064	8102303CA	2(2)	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
TL071	8102304HA	1(0)	OP AMP, BIFET, LOW-POWER	T.I.
TL071	81023042A	1(0)	OP AMP, BIFET, LOW-POWER	T.I.
TL071	8102304PA	1(0)	OP AMP, BIFET, LOW-POWER	T.I.
TL072	M38510/11905BPA	2(2)	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
TL072	8102305PA	2(2)	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
TL072	81023052A	2(2)	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
TL072	8102305HA	2(2)	OP AMP, DUAL, BI-FET, LOW POWER	T.I.
TL074	M38510/11906BCA	1(0)	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
TL074	8102306DA	1(<1)	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
TL074	81023062A	1(<1)	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
TL074	8102306CA	1(<1)	OP AMP, QUAD, BIFET, LOW-POWER	T.I.
TL431	8410901PA	3(4)	VOLT. REFERENCE, PROGRAMMABLE	T.I.
TL431	84109012A	3(4)	VOLT. REFERENCE, PROGRAMMABLE	T.I.
TL7702A	5962-88685022A	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7702A	5962-8868502PA	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7702B	5962-8868504PA	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7702B	5962-88685042A	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7705A	5962-88685012A	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7705A	5962-8868501PA	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7705B	5962-8868503HA	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7705B	5962-88685032A	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7705B	5962-8868503PA	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7705B	5962-8868505PA	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7705B	5962-88685052A	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7705B	5962-8868505HA	3(4)	SUPPLY VOLTAGE SUPERVISOR	T.I.
TL7770-12	5962-9093202M2A	3(4)	POWER SUPPLY SUPERVISOR, DUAL	T.I.
TL7770-12	5962-9093202MEA	3(4)	POWER SUPPLY SUPERVISOR, DUAL	T.I.
TL7770-15	5962-9093203MEA	1(1)	POWER SUPPLY SUPERVISOR, DUAL	T.I.
TL7770-15	5962-9093203M2A	1(1)	POWER SUPPLY SUPERVISOR, DUAL	T.I.
TL7770-5	5962-9093201MEA	3(4)	POWER SUPPLY SUPERVISOR, DUAL	T.I.
TL7770-5	5962-9093201M2A	3(4)	POWER SUPPLY SUPERVISOR, DUAL	T.I.
TLC2201	5962-9088201M2A	3(4)	OP AMP, LOW-PRECISION, SINGLE	T.I.
TLC2201	5962-9088201MPA	3(4)	OP AMP, LOW-PRECISION, SINGLE	T.I.
TLC2202	5962-9088202M2A	3(4)	OP AMP, DUAL, LOW-PRECISION	T.I.
TLC2202	5962-9088202MPA	3(4)	OP AMP, DUAL, LOW-PRECISION	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
TLC2652	5962-9089501M2A	3(4)	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.
TLC2652	5962-9089501MPA	3(4)	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.
TLC2652	5962-9089501MCA	3(4)	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.
TLC2652A	5962-9089503MCA	3(4)	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.
TLC2652A	5962-9089503MPA	3(4)	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.
TLC2652A	5962-9089503M2A	3(4)	OP AMP, PRECISION CHOPPER-STABILIZED	T.I.
TLC2654	5962-9089502M2A	3(4)	OP AMP, LOW-NOISE CHOPPER-STABILIZED	T.I.
TLC2654	5962-9089502MPA	3(4)	OP AMP, LOW-NOISE CHOPPER-STABILIZED	T.I.
TLC2654	5962-9089502MCA	3(4)	OP AMP, LOW-NOISE CHOPPER-STABILIZED	T.I.
TLC272	5962-8949401PA	1(0)	OP AMP, DUAL PRECISION	T.I.
TLC272	5962-8949401HA	1(0)	OP AMP, DUAL PRECISION	T.I.
TLC272	5962-89494012A	1(0)	OP AMP, DUAL PRECISION	T.I.
TLC274	5962-9060401DA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC274	5962-90604012A	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC274	5962-9060401CA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC277	5962-8949402PA	1(.5)	OP AMP, DUAL PRECISION	T.I.
TLC277	5962-8949402HA	1(.5)	OP AMP, DUAL PRECISION	T.I.
TLC277	5962-89494022A	1(.5)	OP AMP, DUAL PRECISION	T.I.
TLC279	5962-90604022A	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC279	5962-9060402CA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC279	5962-9060402DA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC27L2	5962-89494032A	1(0)	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
TLC27L2	5962-8949403HA	1(0)	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
TLC27L2	5962-8949403PA	1(0)	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
TLC27L4	5962-9060405DA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC27L4	5962-9060405CA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC27L4	5962-90604052A	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC27L7	5962-8949404PA	1(0)	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
TLC27L7	5962-8949404HA	1(0)	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
TLC27L7	5962-89494042A	1(0)	OP AMP, DUAL PRECISION, LOW-POWER	T.I.
TLC27L9	5962-9060406CA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC27L9	5962-90604062A	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC27L9	5962-9060406DA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC27M2	5962-8949405PA	1(0)	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.
TLC27M2	5962-89494052A	1(0)	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.
TLC27M2	5962-8949405HA	1(0)	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.
TLC27M4	5962-90604032A	1(0)	OP AMP, QUAD, PRECISION	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
TLC27M4	5962-9060403CA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC27M4	5962-9060403DA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC27M7	5962-8949406HA	1(0)	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.
TLC27M7	5962-89494062A	1(0)	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.
TLC27M7	5962-8949406PA	1(0)	OP AMP, DUAL PRECISION, MEDIUM-POWER	T.I.
TLC27M9	5962-9060404DA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC27M9	5962-90604042A	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC27M9	5962-9060404CA	1(0)	OP AMP, QUAD, PRECISION	T.I.
TLC32040	5962-9086301MXA	1(.5)	INTERFACE CIRCUIT, ANALOG	T.I.
TLC32040	5962-9086301M3A	1(.5)	INTERFACE CIRCUIT, ANALOG	T.I.
TLC32044	5962-9086302M3A	1(.5)	INTERFACE CIRCUIT, ANALOG, VOICE-BAND	T.I.
TLC32044	5962-9086302MXA	1(.5)	INTERFACE CIRCUIT, ANALOG, VOICE-BAND	T.I.
TLC32046	5962-8096303M3A	3(4)		T.I.
TLC32046	5962-8096303MXA	3(4)		T.I.
TLC3704	5962-9096901M2A	1(.5)	VOLT. COMPARATOR, QUAD DIFFERENTIAL, LOW-POWER	T.I.
TLC3704	5962-9096901MCA	1(.5)	VOLT. COMPARATOR, QUAD DIFFERENTIAL, LOW-POWER	T.I.
TLC372	5962-87658012A	1(.5)	VOLT. COMPARATOR, DUAL DIFFERENTIAL	T.I.
TLC372	5962-8765801PA	1(.5)	VOLT. COMPARATOR, DUAL DIFFERENTIAL	T.I.
TLC374	5962-87659012A	1(.5)	VOLT. COMPARATOR, QUAD DIFFERENTIAL	T.I.
TLC374	5962-8765901CA	1(.5)	VOLT. COMPARATOR, QUAD DIFFERENTIAL	T.I.
TLC548	5962-9084501MPA	2(2)	A/D CONVERTER, 8-BIT, WITH SERIAL CONTROL, 2.048 MHZ	T.I.
TLC548	5962-9084501M2A	2(2)	A/D CONVERTER, 8-BIT, WITH SERIAL CONTROL, 2.048 MHZ	T.I.
TLC549	5962-9084502MPA	3(4)	A/D CONVERTER, 8-BIT, WITH SERIAL CONTROL, 1.1 MHZ	T.I.
TLC549	5962-9084502M2A	3(4)	A/D CONVERTER, 8-BIT, WITH SERIAL CONTROL, 1.1 MHZ	T.I.
TLC555	5962-8950301PA	1(0)	TIMER, PRECISION	T.I.
TLC555	5962-89503012A	1(0)	TIMER, PRECISION	T.I.
TLC556	5962-8950302CA	1(0)	TIMER, DUAL PRECISION	T.I.
TLC556	5962-89503022A	1(0)	TIMER, DUAL PRECISION	T.I.
TLE2021	5962-9088101MPA	1(.5)	OP AMP, HIGH-SPEED, LOW-POWER	T.I.
TLE2021	5962-9088101M2A	1(.5)	OP AMP, HIGH-SPEED, LOW-POWER	T.I.
TLE2022	5962-9088102MPA	1(.5)	OP AMP, DUAL, HIGH-SPEED, LOW-POWER	T.I.
TLE2022	5962-9088102M2A	1(.5)	OP AMP, DUAL, HIGH-SPEED, LOW-POWER	T.I.
TLE2024	5962-9088103MCA	1(.5)	OP AMP, QUAD, HIGH-SPEED, LOW-POWER	T.I.
TLE2024	5962-9088103M2A	1(.5)	OP AMP, QUAD, HIGH-SPEED, LOW-POWER	T.I.
TLE2027	5962-9089601M2A	3(4)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.
TLE2027	5962-9089601MPA	3(4)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION	T.I.

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
TLE2037	5962-9089602MPA	3(4)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION, UNCOMPENSATED	T.I.
TLE2037	5962-9089602M2A	3(4)	OP AMP, HIGH-SPEED, LOW-NOISE, PRECISION, UNCOMPENSATED	T.I.
TLE2061	5962-9080701M2A	1(1)	OP AMP, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
TLE2061	5962-9080701MPA	1(1)	OP AMP, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
TLE2061	5962-9080701MHA	1(1)		T.I.
TLE2062	5962-9080801MPA	1(.5)	OP AMP, DUAL, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
TLE2062	5962-9080801M2A	1(.5)	OP AMP, DUAL, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
TLE2064	5962-9080901MCA	1(1)	OP AMP, QUAD, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
TLE2064	5962-9080901M2A	1(1)	OP AMP, QUAD, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER	T.I.
TLE2064	5962-9080901MDA	1(1)		T.I.
UA733	8418501CA	1(.5)	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT	T.I.
UA78M05	5962-87782022A	1(0)		T.I.
UA78M05	5962-8778202PA	1(0)		T.I.
UA78M12	5962-8777602PA	1(0)		T.I.
UA78M12	5962-87776022A	1(0)		T.I.
UA78S40DMQB	5962-8876101EA	1	VOLT. REGULATOR, SWITCHING SUBSYSTEM	NATIONAL
UT1553BBCRTA	5962-8862801ZC	1	BUS CONTROLLER, REMOTE TERMINAL	UTMC
UT1553BBCRTA	5962-8862801ZA	1	BUS CONTROLLER, REMOTE TERMINAL	UTMC
UT1553BBCRTG	5962-8862801XA	1	BUS CONTROLLER, REMOTE TERMINAL	UTMC
UT1553BBCRTG	5962-8862801XC	1	BUS CONTROLLER, REMOTE TERMINAL	UTMC
UT1553BBCRTW	5962-8862801YC	1	BUS CONTROLLER, REMOTE TERMINAL	UTMC
UT1553BBCRTW	5962-8862801YA	1	BUS CONTROLLER, REMOTE TERMINAL	UTMC
UT1553BCRTMA	5962-8957701ZC	1	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
UT1553BCRTMA	5962-8957701ZA	1	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
UT1553BCRTMG	5962-8957701XC	1	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
UT1553BCRTMG	5962-8957701XA	1	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
UT1553BCRTMPA	5962-8950101YC	1	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
UT1553BCRTMPA	5962-8950101YA	1	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
UT1553BCRTMPG	5962-8950101XA	1	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
UT1553BCRTMPG	5962-8950101XC	1	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
UT1553BCRTMW	5962-8957701YC	1	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
UT1553BCRTMW	5962-8957701YA	1	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR	UTMC
UT1553BRRTRA	5962-8957601ZC	1	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
UT1553BRTI	M38510/55502BZC	2(2)	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
UT1553BRTI	M38510/55502BZA	2(2)	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
UT1553BRTI	M38510/55501BZC	2(2)	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
UT1553BRTI	M38510/55501BZA	2(2)	REMOTE TERMINAL INTERFACE, MIL-STD-1553B	UTMC
UT1553BRTRA	5962-8957601ZA	1	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
UT1553BRTRB	5962-8957601XC	1	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
UT1553BRTRG	5962-8957601XA	1	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
UT1553BRTRW	5962-8957601YA	1	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
UT1553BRTRW	5962-8957601YC	1	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM	UTMC
UT1553RTMPG	5962-8864501XA	1	REMOTE TERMINAL MULTI-PROTOCOL	UTMC
UT1553RTMPG	5962-8864501XC	1	REMOTE TERMINAL MULTI-PROTOCOL	UTMC
UT1553RTMPW	5962-8864501YC	1	REMOTE TERMINAL MULTI-PROTOCOL	UTMC
UT1553RTMPW	5962-8864501YA	2	REMOTE TERMINAL MULTI-PROTOCOL	UTMC
UT1760ARTSG	5962-8957501XC	1	REMOTE TERMINAL FOR STORES WITH 1K X 16 RAM	UTMC
UT1760ARTSG	5962-8957501XA	1	REMOTE TERMINAL FOR STORES WITH 1K X 16 RAM	UTMC
UT1760ARTSW	5962-8957501YA	1	REMOTE TERMINAL FOR STORES WITH 1K X 16 RAM	UTMC
UT1760ARTSW	5962-8957501YC	1	REMOTE TERMINAL FOR STORES WITH 1K X 16 RAM	UTMC
UT63M105PB	5962-8864401UA	2	BUS TRANSCEIVER	UTMC
UT63M105PB	5962-8864401UC	2	BUS TRANSCEIVER	UTMC
UT63M107PB	5962-8864402UA	2	BUS TRANSCEIVER	UTMC
UT63M107PB	5962-8864402UC	2	BUS TRANSCEIVER	UTMC
UT63M115PB	5962-8864403UA	2	BUS TRANSCEIVER	UTMC
UT63M115PB	5962-8864403UC	2	BUS TRANSCEIVER	UTMC
UT63M117PB	5962-8864404UA	2	BUS TRANSCEIVER	UTMC
UT63M117PB	5962-8864404UC	2	BUS TRANSCEIVER	UTMC
UT63M125BB	5962-8864405XA	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M125BB	5962-8864405XC	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M125CB	5962-8864405ZA	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M125CB	5962-8864405ZC	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M125DB	5962-8864405YC	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M125DB	5962-8864405YA	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M127BB	5962-8864406XC	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M127BB	5962-8864406XA	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M127CB	5962-8864406ZA	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M127CB	5962-8864406ZC	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M127DB	5962-8864406YA	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M127DB	5962-8864406YC	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M135BB	5962-8864407XA	2	BUS TRANSCEIVER, DUAL	UTMC

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
UT63M135BB	5962-8864407XC	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M135CB	5962-8864407ZA	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M135CB	5962-8864407ZC	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M135DB	5962-8864407YC	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M135DB	5962-8864407YA	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M137BB	5962-8864408XC	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M137BB	5962-8864408XA	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M137DB	5962-8864408YA	2	BUS TRANSCEIVER, DUAL	UTMC
UT63M137DB	5962-8864408YC	2	BUS TRANSCEIVER, DUAL	UTMC
UT6717685	5962H3829435SXC	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829436SXC	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829435BXA	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829435SNC	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829436SXA	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829435BXC	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829435SNA	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829436BNC	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829436BNA	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829437BXC	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829437BNC	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829437BXA	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829437BNA	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829436BXC	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829437SXC	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829436BXA	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829435BNC	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829435BNA	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829435SXA	2(2)	STATIC RAM, 8K X 8, 85 NS ACCESS TIME	UTMC
UT6717685	5962H3829436SNC	2(2)	STATIC RAM, 8K X 8, 70 NS ACCESS TIME	UTMC
UT6717685	5962H3829436SNA	2(2)	STATIC RAM, 8K X 8, 70 NS ACCESS TIME	UTMC
UT6717685	5962H3829437SNC	2(2)	STATIC RAM, 8K X 8, 55 NS ACCESS TIME	UTMC
UT6717685	5962H3829437SNA	2(2)	STATIC RAM, 8K X 8, 55 NS ACCESS TIME	UTMC
UT6717685	5962H3829437SXA	2(2)	STATIC RAM, 8K X 8, 55 NS ACCESS TIME	UTMC
UT69151GBX	5962-9211801MXA		BUS CONTROLLER, MIL-STD-1553, REMOTE TERMINAL, MONITOR INTERFACE	UTMC
UT69151GBX	5962-9211801MXC		BUS CONTROLLER, MIL-STD-1553, REMOTE TERMINAL, MONITOR INTERFACE	UTMC
UT69151WBX	5962-9211801MYA		BUS CONTROLLER, MIL-STD-1553, REMOTE TERMINAL, MONITOR INTERFACE	UTMC

TABLE II
APPROVED SOURCE LISTING BY MANUFACTURER'S GENERIC PART NUMBER

MANUFACTURER SIMILAR PART NUMBER 4/	MILITARY DRAWING PART NUMBER 3/	ESD LEVEL	PRODUCT DESCRIPTION 5/	SOURCE(S)
UT69151WBX	5962-9211801MYC		BUS CONTROLLER, MIL-STD-1553, REMOTE TERMINAL, MONITOR INTERFACE	UTMC
WE-DSP-16	5962-9070401QXX	1	DIGITAL SIGNAL PROCESSOR, 16-BIT	AT&T

NOTES:

1/ Manufacturer listed flows are considered proprietary. Listings are to be used as a guideline for customers and should not be considered strict limitations on the manufacturer's ability to produce product outside the QML envelope. The QML can be expanded as the manufacturer produces product to new orders. Product cannot be shipped unless covered by the QML envelope.

2/ Package lead counts are listed by the maximum number of leads covered by the qualification. If the manufacturer's package outline drawing is covered by appendix C of MIL-M-38510, then the case outline letter will be listed.

3/ The manufacturer has certified that the advanced microcircuits listed were/are being built, tested, and shipped, using the certified/qualified lines/flows, processes, and materials, and as defined by a completed Standardized Military Drawing (SMD) or MIL-M-38510 part number are in full compliance with MIL-I-38535.

4/ Caution. Do not use this number for item acquisition. Items acquired to this number are NOT QML devices and may not satisfy the performance, quality, or reliability requirements of the military.

5/ All devices are in the military temperature range -55° to +125°C, unless otherwise specified.

6/ Devices found in this table have been found to meet the qualification requirements found in MIL-I-38535, but may not be covered by a completed standardized military drawing (SMD) at the time of publication of this document.

SECTION II
(QPL-38510)

This section lists manufacturers that have previously met all MIL-M-38510 requirements and will continue to meet all Appendix A MIL-I-38535 requirements. It contains manufacturers that initially transition to MIL-I-38535 and manufacturers that elect to not transition. The manufacturers are authorized to use the military identifier and the "JAN" or "J" quality certification mark in each microcircuit produced on the certified line.

To obtain MIL-M-38510 qualified microcircuits, the procurement document must specify that the microcircuits must be approved for inclusion in QPL-38510 and that the microcircuits shall be marked in accordance with the applicable specification.

Products listed in part II of QPL-38510 are considered qualified products. Therefore, manufacturers listed on QPL-38510 shall "JAN" mark and ship the specified part numbered devices for which they are listed, providing all required groups A, B, C, and D quality conformance inspections are performed as specified in paragraphs 30.4.4 and 40.5 of Appendix A MIL-I-38535. The groups A, B, C, and D quality conformance inspections must be completed and passed for the inspection period before any JAN lots are shipped.

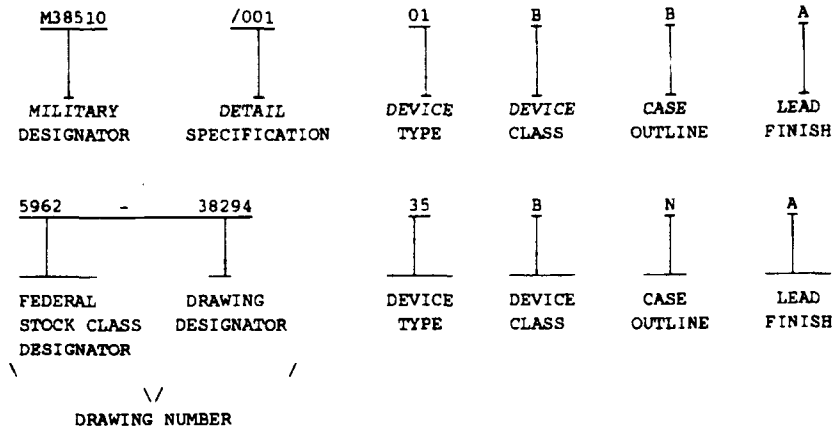
Products listed in Part IV of the QPL are considered qualified products. The intent of this listing is to allow continued procurement of Diminishing JAN Sources (DJS) devices to the same part number for logistics support or completion of system production. These numbers are not JAN devices; they are not intended for, and should under no circumstances be used for new design. This listing contains all microcircuits which have been subjected to sufficient tests to demonstrate that they meet the electrical test requirements of this document and the applicable military device specification. Quality conformance inspection for shipment shall be certified according to the Class B requirements of this document and DJS requirements paragraph 30.1.3.36 of Appendix A MIL-I-38535. Under no circumstances will the JAN certification mark be put on a DJS device. In addition, the country in which assembly is performed must be marked on the device.

For zero source QPL items, it shall be permissible and, in fact, is encouraged for orders to be placed with manufacturers willing to pursue Part I qualification during the processing of the order so that the delivered product is Part I qualified. The attention of the manufacturers is called to this requirement and manufacturers are urged to arrange to have the products the propose to offer to the Federal Government tested for qualification in order in that they may be eligible to be awarded contracts or orders for the products covered by this specification. Devices that have an end-of-life notice issued by the manufacturer are listed in the notes section at the end of the QPL for your information and convenience.

NOTES: A) For manufacturer(s): Intel and Texas Instruments - all JAN M38510 devices are produced under the MIL-I- 38535 QML system.

B) For manufacturer(s): Analog Devices, Harris, Motorola, National Semiconductor, Linfinity Microelectronics, Siliconix, and UTMC - all JAN M38510 devices are produced under the MIL-I-38535 QML system under the provisions of transitional certification.

The devices are listed in tabular form for each manufacturer. A typical military or Standardized Military Drawing (SMD) part numbers is shown below.



Unless otherwise indicated, each device type for a particular military specification sheet and manufacturer is qualified for all combinations of device class, case outline, and lead material and finish listed herein.

EXAMPLE:

Device type	Device class	Case outline	Lead finish
M38510/002			
01	S	A	B
02	B	B	
05			

Device type	Device class	Case outline	Lead finish
M38510/002			
01	S	A - - -	A or C
02	B	B - - -	B only
05			

This listing covers the following devices:

M38510/00201BAB	M38510/00202BAB	M38510/00205BAB
M38510/00201BBB	M38510/00202BBB	M38510/00205BBB
M38510/00201SAB	M38510/00202SAB	M38510/00205SAB
M38510/00201SBB	M38510/00202SBB	M38510/00205SBB

This listing covers the following devices:

M38510/00201BAA	M38510/00202BAA	M38510/00205BAA
M38510/00201BAC	M38510/00202BAC	M38510/00205BAC
M38510/00201BBB	M38510/00202BBB	M38510/00205BBB
M38510/00201SAA	M38510/00202SAA	M38510/00205SAA
M38510/00201SAC	M38510/00202SAC	M38510/00205SAC
M38510/00201SBB	M38510/00202SBB	M38510/00205SBB

All columns are read vertically except where two columns are connected by the dashed - - - line. The two columns connected by the dashed - - - line are read horizontally.

The SMD forms a part of a one part-one part number documentation system. Two product assurance classes consisting of military high reliability (class B and S) and choice of case outlines and lead finishes are available and are reflected in the Part Identifying Number (PIN).

Unless otherwise indicated, each device type for a particular SMD and manufacturer is qualified for all combinations of device class, case outline, lead finish herein.

EXAMPLE: 5962-38294

35	S	N	A
36	B	X	C

This listing covers the following devices:

5962-3829435 SNA	5962-3829436 SNA
5962-3829435 SXA	5962-3829436 SXA
5962-3829435 SNC	5962-3829436 SNC
5962-3829435 SXC	5962-3829436 SXC
5962-3829435 BNA	5962-3829436 BNA
5962-3829435 BXA	5962-3829436 BXA
5962-3829435 BNC	5962-3829436 BNC
5962-3829435 BXC	5962-3829436 BXC

ALL PRODUCTS LISTED HEREIN HAVE BEEN QUALIFIED UNDER THE REQUIREMENTS FOR THE PRODUCTS AS SPECIFIED IN THE LATEST EFFECTIVE ISSUE OF MIL-M-38510 AND THE APPLICABLE DETAIL MILITARY SPECIFICATION.

GOVERNMENT DESIGNATION						TEST REPORT NUMBER	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
Device type		Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/001							
	01	B	C	A	1(0)	38510-203-72	National Semiconductor Corp.
	02		D		1(0)	38510-204-72	
	03				1(0)	38510-261-72	
	04				1(0)	38510-843-72	
	05				1(0)	38510-542-72	
	07				1(0)	38510-261-72	
	03	S	D	A	1(0)	38510-480-85	National Semiconductor Corp.
	04	S	C	A	1(0)	38510-704-87	National Semiconductor Corp.
	05		D		1(0)	38510-705-87	
	09	B	C	A	1(0)	38510-261-72	National Semiconductor Corp.
1/	01	B	D	A	1(0)	38510-893-71	Texas Instruments, Inc.
1/	05				1(0)	38510-674-81	
1/	07				1(1)	38510-893-71	
1/	08				1(0)	38510-676-81	
1/	09				2(2)	38510-893-71	
	03	B	C	A	1(0)	38510-673-81	Texas Instruments, Inc.
	04				1(0)	38510-893-81	
	05				1(0)	38510-674-81	
1/	06				1(0)	38510-675-81	
	09				2(2)	38510-893-71	
M38510/002							
	05	B	C D	A	1(0)	38510-374-89	National Semiconductor Corp.
1/	01	B	C D	A	2(2)	38510-897-71	Texas Instruments, Inc.
1/	02	B	D	A	1(0)	38510-677-81	Texas Instruments, Inc.
	05				1(0)	38510-680-71	
	03	B	C	A	1(0)	38510-678-81	Texas Instruments, Inc.
	05				1(0)	38510-680-71	
1/	06				1(0)	38510-897-81	
M38510/003							
	01	B	C	A	2(2)	38510-206-73	National Semiconductor Corp.
	02		D		1(0)	38510-516-81	
	03				1(0)	38510-073-7T	
	03	S	C D	A	1(0)	38510-101-90	National Semiconductor Corp.
1/	02	B	D	A	2(2)	38510-903-83	Texas Instruments, Inc.
	03				1(0)		
	03	B	C	A	1(0)	38510-903-83	Texas Instruments, Inc.

PART I

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/004						
01	S	C	A	1(0)	38510-192-88	National Semiconductor Corp.
	B	D				
01	B	D	A	3(4)	38510-120-92	Texas Instruments, Inc.
01	B	C	A	3(4)	38510-120-92	Texas Instruments, Inc.
03				2(2)	38510-847-86	
04				1(1)	38510-681-81	
1/ 02	B	E	A	2(2)	38510-847-86	Texas Instruments, Inc.
M38510/005						
1/ 01	B	D	A	1(0)	38510-902-71	Texas Instruments, Inc.
01	B	C	A	1(0)	38510-902-71	Texas Instruments, Inc.
02				1(0)		
03				1(0)		
1/ 04				1(0)		
M38510/006						
02	B	E	A	1(0)	38510-663-81	National Semiconductor Corp.
		F				
M38510/007						
01	B	C	A	1(0)	38510-263-73	National Semiconductor Corp.
		D				
1/ 01	B	D	A	1(0)	38510-901-71	Texas Instruments, Inc.
M38510/008						
01	S	C	A	1(0)	38510-1381-85	National Semiconductor Corp.
03		D		1(0)	38510-956-84	
01	B	C	A	1(0)	38510-1381-85	National Semiconductor Corp.
02		D		1(0)	38510-030-7T	
03				1(0)	38510-956-84	
04				1(0)	38510-181-84	
05				1(0)	38510-978-84	
01	B	C	A	2(2)	38510-901-83	Texas Instruments, Inc.
03				2(2)		
01	B	D	A	2(2)	38510-901-83	Texas Instruments, Inc.
1/ 02				1(0)		
03				2(2)		
1/ 04				1(0)		
M38510/009						
01	B	C	A	1(0)	38510-1023-76	National Semiconductor Corp.
		D				
05	B	E	A	1(0)	38510-1352-77	National Semiconductor Corp.
1/ 03	B	C	A	2(2)	38510-779-74	Philips Semiconductors
1/ 05	B	F	A	2(2)	38510-237-76	Philips Semiconductors
M38510/010						
01	B	E	A	1(0)	38510-518-81	National Semiconductor Corp.
		F				
07	B	E	A	1(0)	38510-557-79	National Semiconductor Corp.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
6/ M38510/010		Qualification Requirements for Device Types 02, 03, and 09 Only, Removed 3 Mar 86				
M38510/012						
01	B	C	A	1(0)	38510-041-79	National Semiconductor Corp.
04		D		1(0)	38510-044-79	
05	B	E	A	1(0)	38510-045-79	National Semiconductor Corp.
		F				
1/ 03	B	E	A	1(0)	38510-789-74	Philips Semiconductors
M38510/013						
03	B	E	A	2(2.5)	38510-112-90	National Semiconductor Corp.
		F				
06	S	E	A	1(0)	38510-581-89	National Semiconductor Corp.
	B					
02	B	C	A	2(2)	38510-784-74	Philips Semiconductors
1/ 04	B	E	A	1(1)	38510-241-74	Philips Semiconductors
1/ 09				1(0)	38510-1210-74	
1/ 06	B	F	A	2(2)	38510-785-74	Philips Semiconductors
06	B	E	A	2(2)	38510-147-83	Texas Instruments, Inc.
		F				
M38510/014						
03	B	E	A	1(0)	38510-046-79	National Semiconductor Corp.
04		F		1(0)	38510-878-78	
05				1(0)	38510-879-78	
06				1(0)	38510-189-79	
M38510/016						
01	B	C	A	1(0)	38510-408-74	National Semiconductor Corp.
02		D		1(0)	38510-410-74	
M38510/017						
01	B	E	A	2(2.25)	38510-267-78	National Semiconductor Corp.
02		F		1(0)		
01	B	E	A	1(0)	38510-850-82	Texas Instruments, Inc.
02		F		2(2)		
6/ M38510/018		Qualification Requirements Removed 9 Aug 83				
M38510/019						
01	B	C	A	1(0)	38510-1236-77	National Semiconductor Corp.
		D				
M38510/020						
03	S	C	A	1(0)	38510-922-84	National Semiconductor Corp.
04	B	D		1(0)	38510-915-87	
05				1(0)	38510-924-84	
M38510/021						
03	S	C	A	1(0)	38510-959-84	National Semiconductor Corp.
05	B	D		1(0)	38510-908-84	

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/025						
02	S	C	A	1(0)	38510-961-84	National Semiconductor Corp.
	B	D				
6/ M38510/025	Qualification Requirements for Device types 04 and 05 Only, Removed 3 Mar 86					
M38510/026						
01	S	C	A	1(0)	38510-964-84	National Semiconductor Corp.
		D				
M38510/027						
01	S	C	A	1(0)	38510-921-84	National Semiconductor Corp.
	B	D				
M38510/028						
01	S	C	A	1(0)	38510-920-84	National Semiconductor Corp.
	B	D				
6/ M38510/029	Qualification Requirement Removed on 16 Apr 84					
M38510/030						
01	B	C	A	1(0.5)	38510-810-73	National Semiconductor Corp.
03		D		1(0)	38510-1105-78	
04				1(0)	38510-813-73	
05				1(0)	38510-814-73	
6/ M38510/031	Qualification Requirement Removed on 9 Aug 83					
6/ M38510/032	Qualification Requirement Removed on 9 Aug 83					
6/ M38510/033	Qualification Requirement Removed on 9 Aug 83					
6/ M38510/035	Qualification Requirement Removed on 24 May 82					
6/ M38510/040	Qualification Requirement Removed 13 Apr 84					
6/ M38510/041	Qualification Requirement Removed 9 Aug 83					
6/ M38510/042	Qualification Requirement Removed 3 May 82					
6/ M38510/043	Qualification Requirement Removed 24 May 82					
6/ M38510/044	Qualification Requirement Removed 24 May 82					
6/ M38510/045	Qualification Requirement Removed 24 May 82					
6/ M38510/046	Qualification Requirement Removed 24 May 82					
M38510H050 8/						
15/,20/ 51	S	C - - -	A only	1(0.5)	38510-550-84	Harris Semiconductor (1)
15/,20/ 52	B	T - - -	C only	1(0.5)	38510-551-84	
15/,20/ 53				1(0.5)	38510-552-84	
M38510/050						
15/,20/ 01	B	C - - -	A only	1(0.4)	38510-495-84	Harris Semiconductor (1)
15/,20/ 03		T - - -	C only	1(0.5)	38510-496-84	
1/ 02	B	C - - -	A only	1(0.4)	38510-131-84	Harris Semiconductor (1)
		T - - -	C only			
1/ 01	B	C	A	3(4)	38510-217-7T	National Semiconductor Corp.
02		D		3(4)		
1/ 03				3(4)		

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510H051 8/						
15/,20/ 51	S	C - - -	A only	1(1)	38510-549-84	Harris Semiconductor (1)
	B	T - - -	C only			
15/,20/ 52	S	E - - -	A only	1(1)	38510-548-84	Harris Semiconductor (1)
	B	N - - -	C only			
M38510/051						
15/,20/ 01	B	C - - -	A only	1(1)	38510-498-84	Harris Semiconductor (1)
		T - - -	C only			
15/,20/ 02	B	E - - -	A only	1(0.5)	38510-229-75	Harris Semiconductor (1)
		N - - -	C only			
01	B	C	A	3(5)	38510-091-04	National Semiconductor Corp.
51		D		3(5)	38510-268-84	
02	B	E	A	2(3.75)	38510-1245-76	National Semiconductor Corp.
		F				
M38510H052 8/						
15/,20/ 52	S	C - - -	A only	1(0.5)	38510-539-84	Harris Semiconductor (1)
53	B	T - - -	C only	1(0.5)	38510-540-84	
15/,20/ 54				1(0.5)	38510-540-84	
M38510/052						
15/,20/ 01	B	C - - -	A only	1(0.5)	38510-102-76	Harris Semiconductor (1)
15,/20/ 02		T - - -	C only	1(1)	38510-130-84	
15/,20/ 04				1(0.5)	38510-105-76	
1/ 03	B	T	C	1(0.4)	38510-491-84	Harris Semiconductor (1)
1/ 53	B	C - - -	A only	1(0.5)	38510-540-84	Harris Semiconductor (1)
		T - - -	C only			
02	B	C	A	1(1.75)	38510-379-84	National Semiconductor Corp.
1/ 03		D		2(3)	38510-109-92	
04				2(3)	38510-380-84	
52				1(0)	38510-379-84	
54				1(0)	38510-380-84	
M38510H053 8/						
15/,20/ 51	S	C - - -	A only	1(0.5)	38510-553-84	Harris Semiconductor (1) (1)
15/,20/ 53	B	T - - -	C only	1(1)	38510-582-84	
15/,20/ 52	S	E - - -	A only	1(1)	38510-588-84	Harris Semiconductor (1) (1)
	B	N - - -	C only			
M38510/053						
15/,20/ 01	B	C	C	1(0.5)	38510-230-75	Harris Semiconductor (1)
15/,20/ 02	B	E - - -	A only	1(0.5)	38510-017-74	Harris Semiconductor (1)
		N - - -	C only			
1/ 51	B	C	A	1(0.5)	38510-553-84	Harris Semiconductor (1)
01	B	C	A	1(0.4)	38510-119-7T	National Semiconductor Corp.
03		D		2(3)	38510-109-92	
02	B	E	A	3(4)	38510-1044-84	National Semiconductor Corp.
		F				
52	B	E	A	3(4)	38510-511-85	National Semiconductor Corp.
1/ 52	B	F	A	3(4)	38510-511-85	National Semiconductor Corp.

PART I

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510R054 8/						
15/,20/ 51	S	E - - -	A only	1(1.5)	38510-625-86	Harris Semiconductor (1) (1)
	B	N - - -	C only			
M38510/054						
1/ 51	B	E	A	1(1.5)	38510-625-86	Harris Semiconductor
M38510H055 8/						
15/,20/ 53	S	E - - -	A only	1(1)	38510-806-86	Harris Semiconductor (1) (1)
15/,20/ 54	B	N - - -	C only	1(1)	38510-805-86	
M38510R055 8/						
15/ 55	S	C - - -	A only	1(1)	38510-556-84	Harris Semiconductor (1) (1)
	B	T - - -	C only			
M38510/055						
15/,20/ 03	B	E - - -	A only	1(0.5)	38510-956-82	Harris Semiconductor (1) (1)
		N - - -	C only			
04	B	E	A	1(0.5)	38510-494-84	Harris Semiconductor (1)
1/ 55	B	C	A	1(1)	38510-556-84	Harris Semiconductor (1)
03	B	E	A	1(0.45)	38510-1241-86	National Semiconductor Corp.
04		F		1(0.5)	38510-1242-86	
54				1(0.5)		
M38510H056 8/						
15/,20/ 51	S	E - - -	A only	1(1.5)	38510-591-84	Harris Semiconductor (1) (1)
15/,20/ 52	B	N - - -	C only	1(1.5)	38510-560-84	
15/,20/ 53				1(1.5)	38510-1445-85	
15/,20/ 54				1(1.5)	38510-059-86	
15/,20/ 55	S	C - - -	A only	1(1.5)	38510-559-84	Harris Semiconductor (1) (1)
	B	T - - -	C only			
M38510/056						
15/,20/ 01	B	E - - -	A only	1(1.5)	38510-591-84	Harris Semiconductor (1) (1)
15/,20/ 03		N - - -	C only	1(0.4)	38510-140-75	
1/ 04				1(1.5)	38510-059-86	
1/ 54	B	E	A	1(1.5)	38510-059-86	Harris Semiconductor (1)
15/,20/ 05	B	C - - -	A only	1(1.5)	38510-704-75	Harris Semiconductor (1) (1)
		T - - -	C only			
01	B	E	A	3(4)	38510-635-78	National Semiconductor Corp.
02		F		2(2)	38510-396-84	
03				1(1)	38510-636-78	
04				3(4)	38510-635-78	
52				2(2)	38510-396-84	
05	B	D	A	2(3)	38510-020-93	National Semiconductor Corp.
M38510H057 8/						
15/,20/ 52	S	E - - -	A only	1(1.5)	38510-542-84	Harris Semiconductor (1) (1)
15/,20/ 53	B	N - - -	C only	1(1.5)	38510-624-86	
15/,20/ 54				1(1.5)	38510-543-84	

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/057						
1/ 01	B	C - - -	A only	1(0.5)	38510-854-86	Harris Semiconductor (1) (1)
1/ 02		N - - -	C only	1(1)	38510-878-76	
1/ 03				1(0.5)	38510-879-76	
1/ 04				1(0.5)	38510-880-76	
1/ 02	B	E	A	1(1)	38510-878-76	Harris Semiconductor (1)
1/ 03				1(0.5)	38510-879-76	
1/ 04				1(0.5)	38510-880-76	
1/ 05				1(0.5)	38510-890-76	
1/ 52				1(1.5)	38510-542-84	
1/ 53				1(1.5)	38510-624-86	
01	B	C	A	1(1)	38510-084-77	National Semiconductor Corp.
		D				
02	B	E	A	1(1)	38510-242-84	National Semiconductor Corp.
03		F		1(1)	38510-085-77	
04				1(0.5)		
M38510H058 8/						
15/,20/ 52	S	C - - -	A only	1(0.5)	38510-544-84	Harris Semiconductor (1) (1)
	B	T - - -	C only			
M38510R059 8/						
15/,20/ 51	S	E - - -	A only	1(1.5)	38510-626-86	Harris Semiconductor (1) (1)
	B	N - - -	C only			
M38510/059						
1/ 51	B	E	A	1(1.5)	38510-626-86	Harris Semiconductor (1)
M38510/060						
01	B	E	A	1(0.5)	38510-151-7T	Motorola, Inc.
02		F		1(0.5)	38510-097-88	
03		2		1(0.5)	38510-098-88	
04				1(0.5)		
05				1(0.5)		
06				1(0.5)		
M38510/061						
01	B	E	A	2(2)	38510-150-91	Motorola, Inc.
02		F		1(0.5)	38510-828-79	
03		2		1(0.5)	38510-071-78	
04				1(0.5)	38510-071-78	
M38510/062						
01	B	E	A	1(0.5)	38510-101-88	Motorola, Inc.
02		F		1(0.5)	38510-359-79	
		2				
M38510/063						
01	B	E	A	3(4)	38510-113-91	Motorola, Inc.
02		F		1(1)	38510-099-91	
		2				

Device type		Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/070							
1/	01	B	D	A	1(1)	38510-948-79	Philips Semiconductors
1/	05				1(1)	38510-950-79	
1/	06				1(1)	38510-164-86	
1/	03	B	C D	A	1(1)	38510-088-84	Philips Semiconductors
1/	05	S	D	A	1(1)	38510-950-79	Philips Semiconductors
1/	09	B	E F	A	1(1)	38510-951-79	Philips Semiconductors
	01	B	C	A	2(2)	38510-1476-85	Texas Instruments, Inc.
	02				1(1)		
	03				1(1)		
	04				1(0)		
	05				3(4)	38510-013-93	
	06				1(0)		
1/	07				1(0)	38510-413-86	
	01	B	D	A	2(2)	38510-1476-85	Texas Instruments, Inc.
1/	02				1(1)		
	03				1(1)		
1/	04				1(0)		
	05				1(0)	38510-1029-78	
	06				1(0)		
1/	07				1(0)	38510-413-86	
1/	08				1(0)	38510-1029-78	

6/ M38510/070 Qualification Requirements for Device Type 10 Only, Removed 22 Nov 85

M38510/071							
1/	01	S	C	A	1(1)	38510-133-87	Philips Semiconductors
	01	B	D		1(1)		
1/	02	B	F	A	1(1)	38510-065-88	Philips Semiconductors
1/	05				1(0)	38510-067-88	
	01	B	C D	A	1(1) 1(1)	38510-133-91	Texas Instruments, Inc.
	02	B	F	A	1(0)	38510-614-83	Texas Instruments, Inc.
1/	06				1(0.5)		
	02	B	E	A	1(1)	38510-017-92	Texas Instruments, Inc.
	05				1(0)		
	06				1(0.5)		
M38510/072							
1/	01	S	D	A	1(1)	38510-953-79	Philips Semiconductors
1/	01	B	C D	A	1(1)	38510-952-79	Philips Semiconductors
M38510/073							
	01	B	C	A	1(0)	38510-566-84	Texas Instruments, Inc.
1/	01	B	D	A	1(0)	38510-566-84	Texas Instruments, Inc.
M38510/074							
	01	B	D	A	1(1)	38510-002-94	Landale Semiconductor
1/	01	B	C D	A	1(1)	38510-954-79	Philips Semiconductors
	02	B	C D	A	1(1) 1(1)	38510-1189-84	Texas Instruments, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
6/ M38510/074 Qualification Requirements for Device Type 03 Only Removed 28 Oct 85						
M38510/075						
1/ 01	S B	D	A	1(1)	38510-956-79	Philips Semiconductors
01	B	C D	A	1(0) 1(0)	38510-567-84	Texas Instruments, Inc.
6/ M38510/075 Qualification Requirements for Device Type 02 Only, Removed 27 Nov 85						
M38510/076						
01	B	E F	A	1(0)	38510-577-89	Texas Instruments, Inc.
6/ M38510/076 Qualification Requirements for Device Type 02 Only, Removed 4 Dec 85						
M38510/077						
1/ 01	B	F	A	1(1)	38510-056-87	Philips Semiconductors
01	B	E F	A	1(0) 1(0)	38510-615-83	Texas Instruments, Inc.
M38510/078						
1/ 01	B	J	A	1(1)	38510-1168-77	Philips Semiconductors
02	B	E	A	2(2)	38510-969-83	Texas Instruments, Inc.
M38510/079						
1/ 01	S	F	A	1(1)	38510-957-79	Philips Semiconductors
1/ 01	B	E	A	1(1)	38510-957-79	Philips Semiconductors
1/ 02		F		1(0)	38510-958-79	
1/ 04				1(1)	38510-684-87	
1/ 03	B	F	A	1(1)	38510-679-87	Philips Semiconductors
1/ 05				1(1)	38510-1266-87	
1/ 08				1(1)	38510-684-87	
01	B	F	A	1(0)	38510-616-83	Texas Instruments, Inc.
02				2(2)	38510-1478-85	
03				1(0)	38510-907-83	
04				2(2)	38510-1478-85	
1/ 06				1(1)	38510-101-92	
02	B	E	A	2(2)	38510-1478-85	Texas Instruments, Inc.
03				1(0)	38510-907-83	
06				1(1)	38510-101-92	
M38510/080						
1/ 01	S B	D	A	1(1)	38510-1052-85	Philips Semiconductors
1/ 03	B	C D	A	1(1)	38510-720-80	Philips Semiconductors
01	B	C D	A	1(0) 1(0)	38510-568-84	Texas Instruments, Inc.
6/ M38510/080 Qualification Requirements for Devices Types 02 and 04 Only, Removed 21 Nov 85						
M38510/081						
1/ 01	B	C 2	A	1(1)	38510-961-79	Philips Semiconductors

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/082						
01	B	E	A	1(1)	38510-569-84	Texas Instruments, Inc.
M38510/101						
03	S	G H P	A	1(0.5)	38510-072-90	Linear Technology
03	B	G - - - C - - - H - - - P - - -	A or C A only A only A only	1(0.5)	38510-072-90	Linear Technology
04	S	C - - - G - - - H - - - P - - -	A only A or C A only A only	1(0.5)	38510-189-88	Linear Technology
04	B	G - - - P - - - C - - -	A or C A only A only	1(0.5)	38510-188-88	Linear Technology
06	B	E	A	1(0.5)	38510-1602-85	Linear Technology
07	S	G	A	2(2)	38510-112-91	Linear Technology
07	B	G - - - H - - - P - - -	A or C A only A only	2(2)	38510-128-85	Linear Technology
03	B	G	A	1(0.5)	38510-582-86	Linfinity Microelectronics
05	B	E	A	1(0.5)	38510-360-89	Linfinity Microelectronics
04	B	P	A	2(2)	38510-124-91	Motorola, Inc.
01	S B	C G H P	A	1(0.75)	38510-089-92	National Semiconductor Corp.
02	S B	C D I	A	1(0.75)	38510-089-92	National Semiconductor Corp.
03 04 07	S B	C G H P	A	2(3.5) 1(1.25) 1(1.5)	38510-089-92 38510-468-85 38510-568-89	National Semiconductor Corp.
08	S B	G	A	1(0.5)	38510-100-90	National Semiconductor Corp.
1/ 05	B	E	A	1(0.25)	38510-1574-85	Philips Semiconductors
01	S B	G	A C	1(0.7)	38510-1197-86	Precision Monolithic, Inc.
04	S B	G - - - P - - -	A or C A or B	1(0.7)	38510-324-86	Precision Monolithic, Inc.
06	B	E	A B	1(0.5)	38510-324-86	Precision Monolithic, Inc.
01	B	C G P	A C	1(0.75)	38510-1076-76	Raytheon Co.
4/,5/ 02	B	C - - - I - - - D - - - A - - -	A or C A or C A only A or C	1(0.75)	38510-279-79	Raytheon Co.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/101 (Continued)						
5/	03	B	C - - -	A or C	1(1)	38510-484-84 Raytheon Co.
			G - - -	A or C		
			H - - -	C only		
			P - - -	A or C		
5/	04	B	G - - -	A or C	1(0.7)	38510-1501-86 Raytheon Co.
			P - - -	A or C		
			2 - - -	A only		
5/	05	B	E	A	1(1)	38510-327-79 Raytheon Co.
5/	06			C	1(0.7)	38510-1304-86
	04	B	G	A	1(0.5)	38510-153-90 Texas Instruments, Inc.
	07		P		3(4)	38510-021-93
M38510/102						
	01	B	C	A	1(1.5)	38510-079-92 Linfinity Microelectronics
			H			
			I			
	01	S	C	A	1(1.5)	38510-089-92 National Semiconductor Corp.
		B	I			
M38510/103						
	04	S	G	A	1(0.25)	38510-136-88 Linear Technology
		B		C		
	06	S	C	A	2(2)	38510-618-89 Linear Technology
	07	B	H		2(2)	
			I			
1/	04	B	G	A	1(0.5)	38510-409-89 Linfinity Microelectronics
			H			
	04	B	P	A	1(0)	38510-176-90 Motorola, Inc.
	01	B	C	A	1(1.25)	38510-617-89 National Semiconductor Corp.
			G			
			H			
	02	B	I	A	1(1)	38510-616-89 National Semiconductor Corp.
	04	S	G	A	1(0.4)	38510-573-86 National Semiconductor Corp.
			H			
			P			
	04	B	C	A	1(0.4)	38510-573-86 National Semiconductor Corp.
			G			
			H			
			P			
	05	S	E	A	1(0.4)	38510-505-89 National Semiconductor Corp.
		B				
	06	B	C	A	1(0.75)	38510-037-91 National Semiconductor Corp.
			I			
	04	S	G - - -	A only	1(0)	38510-043-91 Precision Monolithic, Inc.
			P - - -	A or B		
	04	B	C - - -	A or B	1(0)	38510-043-91 Precision Monolithic, Inc.
			G - - -	A only		
			P - - -	A or B		

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/103 (Continued)						
5/ 04	B	C - - -	A or C	1(0.3)	38510-1143-81	Raytheon Co.
		G - - -	A or C			
		H - - -	A or C			
		P - - -	A or C			
		2 - - -	A only			
5/ 05	B	E	A	1(0.3)	38510-464-82	Raytheon Co.
			C			
04	B	G	A	1(0)	38510-050-91	Texas Instruments, Inc.
		P				
M38510/104						
01	B	C	A	1(0)	38510-905-87	Motorola, Inc.
01	B	C	A	1(0.75)	38510-048-91	National Semiconductor Corp.
		D				
04	B	E	A	1(1)	38510-708-84	National Semiconductor Corp.
		F				
01	B	C	A	1(0)	38510-912-86	Texas Instruments, Inc.
02				1(0)		
03	B	E	A	2(2)	38510-091-92	Texas Instruments, Inc.
04				3(4)	38510-124-92	
05				3(4)	38510-020-92	
03	B	F	A	1(0)	38510-673-86	Texas Instruments, Inc.
1/ 04				3(4)	38510-124-92	
M38510/105						
14/ 01	B	E	A	1(0)	38510-239-86	Harris Semiconductor (2)
14/ 02				1(0)		
03				1(0)		
04				1(0)		
14/ 05				1(0)		
06				1(0)	38510-721-87	
M38510/107						
01	B	X	A	1(0.7)	38510-53-92	Linfinity Microelectronics
02				1(0.5)		
03				1(0.2)		
04				1(1.4)		
06	B	Y	A	1(1)	38510-53-92	Linfinity Microelectronics
07				2(3)		
08				1(0.2)	38510-43-92	
01	S	X	A	3(10)	38510-089-92	National Semiconductor Corp.
02	B			3(10)	38510-080-92	
03				3(10)		
04				3(7.5)		
01	B	Y	A	3(10)	38510-1807-88	National Semiconductor Corp.
09				3(10)	38510-486-89	
06	S	Y	A	3(10)	38510-170-90	National Semiconductor Corp.
07	B			3(10)	38510-168-89	
08				3(10)	38510-569-90	
M38510/108						
02	S	C	A	1(0.8)	38510-089-92	National Semiconductor Corp.
	B					

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/109						
01	S B	G P	A	1(1)	38510-603-89	National Semiconductor Corp.
1/ 01	S	P	A	1(0.5)	38510-346-89	Philips Semiconductors
1/ 01	B	C P	A	1(0.5)	38510-346-89	Philips Semiconductors
1/ 02	B	C	A	1(0.5)	38510-1574-85	Philips Semiconductors
01	B	G P	A	1(0)	38510-172-90	Texas Instruments, Inc
02	B	C	A	1(0.5)	38510-105-92	Texas Instruments, Inc.
M38510/110						
05	B	C	A	3(4)	38510-122-91	Motorola, Inc.
01	S	C	A	1(0.5)	38510-089-92	National Semiconductor Corp.
05	B	D		1(0.3)	38510-685-87	
06				1(0.4)	38510-567-90	
04	S B	C	A	1(1)	38510-089-92	National Semiconductor Corp.
1/ 05	B	C	A	1(0.25)	38510-424-89	Philips Semiconductors
04	B	C	A B	1(1.7)	38510-1025-83	Precision Monolithic, Inc.
5/ 01	B	C	A	1(0.8)	38510-033-90	Raytheon Co.
5/ 04			C	1(0.5)	38510-371-79	
5/ 05				1(0.6)	38510-201-85	
5/ 03	B	C - - -	A or C	1(0.4)	38510-243-86	Raytheon Co.
		D - - -	A only			
05	B	C	A	1(0)	38510-179-90	Texas Instruments, Inc.
M38510/111						
1/ 01	B	I	A	1(0)	38510-496-82	Harris Semiconductor (1)
1/ 02	B	C - - -	A only	1(0)	38510-497-82	Harris Semiconductor (1)
		D - - -	C only			
1/,14/ 04	B	E - - -	A only	1(0)	38510-499-82	Harris Semiconductor (1)
		D - - -	C only			
1/ 05	B	C - - -	A only	1(0.5)	38510-500-82	Harris Semiconductor (1)
1/,14/ 06		D - - -	C only	1(0)	38510-501-82	
		I - - -	A only			
1/,14/ 08	B	D	C	1(0)	38510-515-89	Harris Semiconductor (1)
01	B	C	A	1(0.5)	38510-456-79	Siliconix, Inc.
02		I	C	1(0.5)	38510-458-79	
05		X		1(0.5)	38510-455-79	
06				1(0.5)	38510-459-79	
03	B	E	A	1(0.5)	38510-457-79	Siliconix, Inc.
04		X	C	1(0.5)	38510-461-79	
07				1(0.5)	38510-471-89	
08				1(0.5)	38510-586-80	

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/112						
01	B	C	A	1(0)	38510-366-89	Motorola, Inc.
01	S B	C D	A	1(0.875)	38510-1064-85	National Semiconductor Corp.
02	B	G P	A	1(0)	38510-988-85	National Semiconductor Corp.
1/ 01	B	C D	A	1(0.5)	38510-585-89	Philips Semiconductors
01	S B	C D	A B	1(1.1)	38510-622-89	Precision Monolithic, Inc.
4/,5/ 01	B	C - - - D - - - 2 - - -	A or C A only A only	1(1.2)	38510-875-85	Raytheon Co.
01	B	C	A	1(0)	38510-001-91	Texas Instruments, Inc.
02	B	G P	A	1(0.5)	38510-036-92	Texas Instruments, Inc.
M38510/113						
01	S	E	A	1(1.4)	38510-436-89	Precision Monolithic, Inc.
02	B		B	1(1.4)	38510-437-89	
5/ 01	B	E	A	1(0.3)	38510-1029-83	Raytheon Co.
5/ 02			C	1(0.3)	38510-1028-83	
M38510/114						
01	B	G - - -	A or C	1(1)	38510-152-91	Linear Technology
02		P - - -	A only	1(1)	38510-170-88	
01	S	G	A	1(1)	38510-152-91	Linear Technology
02		P		1(1)	38510-087-89	
04				1(1)	38510-086-88	
05				1(1)	38510-087-88	
04	B	G - - -	A or C	1(0.5)	38510-169-88	Linear Technology
05		H - - -	A only	1(1)	38510-1396-85	
		P - - -	A only			
01	B	G	A	1(1)	38510-089-92	National Semiconductor Corp.
02	S B	G	A	1(1.25)	38510-089-92	National Semiconductor Corp.
01	S	G - - -	A or C	1(1.3)	38510-441-89	Precision Monolithic, Inc.
02		P - - -	A or B	1(1.3)	38510-445-89	
04				1(1.3)	38510-442-89	
05				1(1.3)	38510-623-89	
01	B	G - - -	A or C	1(1.5)	38510-461-86	Precision Monolithic, Inc.
02		P - - -	A or B	1(1.5)	38510-462-86	
03				1(1.5)	38510-463-86	
04				1(1.5)	38510-461-86	
05				1(1.5)	38510-158-88	
06				1(1.3)	38510-066-90	
M38510/115						
01	B	X	A	3(4)	38510-604-89	Linfinity Microelectronics
02				3(4)	38510-181-90	
03				3(4)	38510-182-90	
05	B	Y	A	3(7.5)	38510-005-89	Linfinity Microelectronics
06				3(4)	38510-606-89	
07				3(4)	38510-537-89	
08				2(3)	38510-151-90	

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/115 (Continued)						
01	S	X	A	3(10)	38510-089-92	National Semiconductor Corp.
02	B			3(10)		
03				3(10)		
05	S	Y	A	3(10)	38510-089-92	National Semiconductor Corp.
06	B			3(10)		
07				3(9.75)		
M38510/116						
14/ 01	B	C	A	1(0)	38510-917-87	Harris Semiconductor (2) (1) (2)
14/ 02				1(0)		
14/ 03				1(0)		
04				1(0)		
01	B	C	A	1(0.5)	38510-158-90	Siliconix, Inc.
02		I	C	1(0.5)		
05				1(0.5)		
06				1(0.5)		
03	B	C	A	1(0.5)	38510-158-90	Siliconix, Inc.
04			C	1(0.5)		
07				1(0.5)		
08				1(0.5)		
M38510/117						
03	S	X	A	1(1)	38510-079-90	Linear Technology
	B		C			
04	S	Y	A	1(1)	38510-080-90	Linear Technology
06	B			2(2)	38510-153-91	
03	B	X	A	3(5.9)	38510-049-88	Linfinity Microelectronics
04	B	Y	A	3(5.7)	38510-768-86	Linfinity Microelectronics
03	S	X	A	1(1.5)	38510-570-89	National Semiconductor Corp.
	B					
04	S	Y	A	3(10)	38510-118-91	National Semiconductor Corp.
	B					
M38510/118						
03	S	X	A	2(2)	38510-082-90	Linear Technology
	B		C			
04	S	Y	A	2(2)	38510-083-90	Linear Technology
	B					
03	S	X	A	1(1.5)	38510-012-91	National Semiconductor Corp.
	B					
04	S	Y	A	3(7)	38510-571-89	National Semiconductor Corp.
	B					
04	B	Y	A	2(2.4)	38510-164-90	Silicon General,Inc.
M38510/119						
04	B	G	A	1(0.75)	38510-089-92	National Semiconductor Corp.
05		P		2(2.25)	38510-116-91	
06	B	C	A	1(0.9)	38510-089-92	National Semiconductor Corp.
05	B	P	A	1(0.5)	38510-111-92	Texas Instruments, Inc.
06	B	C	A	1(1)	38510-011-91	Texas Instruments, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/121						
01	B	J	A	1(1)	38510-386-85	Analog Devices, Inc.
5/ 03	B	J	A C	1(0)	38510-088-92	Analog Devices, Inc.
M38510/122						
02	B	G	A	1(0.4)	38510-016-92	Harris Semiconductor (1)
03		P		1(0.4)		
04				1(0.4)		
05				1(0.4)		
06				1(0.5)		
M38510/123						
01	B	C I	A C	1(0.5)	38510-158-90	Siliconix, Inc.
02	B	E	A C	1(0.5)	38510-158-90	Siliconix, Inc.
M38510/124						
07	S	G	A	1(1.95)	38510-026-93	Linear Technology
08	B		C	1(1.95)	38510-007-93	
09				1(0)	38510-026-93	
M38510/125						
01	S B	G	A C	1(0.5)	38510-090-88	Linear Technology
01	S B	G	A	1(0.25)	38510-089-92	National Semiconductor Corp.
M38510/126						
01	B	E	A	1(1)	38510-236-88	Linfinity Microelectronics
02				1(0.9)	38510-350-89	
04				1(1)	38510-353-89	
03	B	V	A	1(1)	38510-267-88	Linfinity Microelectronics
03	B	V	A	1(0.5)	38510-040-92	Motorola, Inc.
01	B	E	A	1(0.5)	38510-507-89	Unitrode Integrated Circuits Corp.
02				3(4)	38510-118-92	
03	B	V	A	3(4)	38510-119-92	Unitrode Integrated Circuits Corp.
M38510/128						
01	B	G	A	1(0.5)	38510-697-87	Analog Devices, Inc.
02				1(0.5)		
M38510/129						
03	B	P	A	2(3.7)	38510-93-91	Silicon General,Inc.
02	B	P	A	1(0)	38510-125-92	Texas Instruments, Inc.
03				2(2)	38510-330-86	
1/ 04				1(0)	38510-1275-85	
05				1(0)	38510-330-86	
1/ 07				1(0)	38510-1275-85	
08				2(2)	38510-021-92	
09				1(1)	38510-022-92	

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/130						
01	B	E F	A	2(3)	38510-001-90	Linfinity Microelectronics
02	B	E	A	2(3.4)	38510-001-90	Linfinity Microelectronics
1/ 01	B	E	A	1(1)	38510-911-86	Texas Instruments, Inc.
M38510/131						
5/ 01	B	P G	A C	2(2)	38510-562-85	Raytheon Co.
5/ 02	B	P	A C	2(3)	38510-564-85	Raytheon Co.
M38510/133						
01	B	E	A	1(0.5)	38510-675-86	Analog Devices, Inc.
M38510/135						
01	S	G - - -	A or C	1(1.5)	38510-092-88	Linear Technology
02	B	P - - -	A Only	1(1.5)	38510-091-88	
03				1(1.5)	38510-096-88	
02	S B	G P	A	1(1)	38510-005-90	National Semiconductor Corp.
01	S	G - - -	A or C	1(0.8)	38510-438-89	Precision Monolithic, Inc.
02	B	P - - -	A or B	1(0.8)	38510-439-89	
03				3(5)	38510-041-91	
5/ 01	B	G - - -	A or C	1(0.75)	38510-519-89	Raytheon Co.
5/ 02		P - - -	A or C	1(0.75)		
		2 - - -	A only			
03	B	P	A	3(4)	38510-23-93	Texas Instruments, Inc.
M38510/139						
01	B	C	A	1(1)	38510-032-90	Analog Devices, Inc.
02		I		1(1)		
03				1(1)		
M38510/140						
01	B	X	A	1(0.5)	38510-698-87	Analog Devices, Inc.
02				1(0.5)		
M38510/141						
01	B	E	A	1(0)	38510-900-86	Linfinity Microelectronics
02				1(0)		
03				2(2.2)		
04				1(0)		
05				1(0)		
06	B	V	A	1(0)	38510-267-88	Linfinity Microelectronics
07				1(0)		
08				1(0)		
09				1(0)		
10				1(0)		
03	B	E	A	1(1)	38510-154-91	Motorola, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/148						
02	S B	X	A	1(1)	38510-129-91	Linear Technology
01	B	P	A	1(0)	38510-001-88	Motorola, Inc.
M38510/150						
1/ 01	B	E	A	2(2)	38510-217-76	Philips Semiconductors
M38510/151						
02	B	C D	A	1(0)	38510-514-84	National Semiconductor Corp.
6/ M38510/152	Qualification Requirement Removed 21 Jul 86					
M38510/153						
1/ 02	B	C	A	1(1)	38510-013-7T	Philips Semiconductors
6/ M38510/155	Qualification Requirement Removed 7 Mar 84					
6/ M38510/156	Qualification Requirement Removed 21 Jul 86					
6/ M38510/157	Qualification Requirement Removed 9 Aug 83					
6/ M38510/158	Qualification Requirement Removed 23 Apr 84					
6/ M38510/159	Qualification Requirement Removed 21 Jul 86					
6/ M38510/160	Qualification Requirement Removed 9 Aug 83					
M38510/161						
1/ 01	B	C D	A	1(1)	38510-936-77	Philips Semiconductors
6/ M38510/162	Qualification Requirement Removed 9 Aug 83					
M38510/163						
1/ 03	B	E	A	1(0)	38510-670-78	Philips Semiconductors
1/ 04				1(0)	38510-104-78	
M38510H170						
15/,20/ 01	S B	C - - - T - - -	A only C only	1(0.5)	38510-904-79	Harris Semiconductor (2)
M38510R170						
15/,20/ 02	B	C - - -	A only	1(0.5)	38510-630-80	Harris Semiconductor (1)
15/,20/ 03		T - - -	C only	1(0.5)	38510-486-79	
M38510H171 8/						
15/,20/ 01	S	C - - -	A only	1(0.5)	38510-967-80	Harris Semiconductor (1)
15/,20/ 03	B	T - - -	C only	1(0.5)	38510-783-87	
M38510R171 8/						
15/,20/ 02	B	C - - - T - - -	A only C only	1(0.5)	38510-542-79	Harris Semiconductor (1)

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/171						
1/ 02	B	C	A	1(0.5)	38510-542-79	Harris Semiconductor (1)
M38510H172 8/						
15/,20/ 01	S	C - - -	A only	1(1)	38510-722-86	Harris Semiconductor (1)
15/,20/ 02	B	T - - -	C only	1(1)	38510-623-86	
15/,20/ 03				1(1)	38510-587-84	
M38510R172 8/						
15/,20/ 04	B	C - - -	A only	1(1)	38510-750-83	Harris Semiconductor (1)
		T - - -	C only			
M38510/172						
1/ 01	B	C	A	1(1)	38510-722-86	Harris Semiconductor (1)
1/ 02				1(1)	38510-623-86	
1/ 04				1(1)	38510-750-83	
M38510H174 8/						
15/ 01	S	C - - -	A only	1(0.5)	38510-653-83	Harris Semiconductor (1)
	B	T - - -	C only			
M38510R174 8/						
15/,20/ 03	S	E - - -	A only	1(1)	38510-378-84	Harris Semiconductor (1)
	B	N - - -	C only			
M38510R175 8/						
15/,20/ 04	B	E - - -	A only	1(1)	38510-557-80	Harris Semiconductor (1)
		N - - -	C only			
M38510R176 8/						
15/,20/ 01	B	E - - -	A only	1(1.5)	38510-558-80	Harris Semiconductor (1)
		N - - -	C only			
M38510/190						
01	B	X	A	1(0.5)	38510-220-88	Harris Semiconductor (1)
02				1(0.5)		
03				1(0.5)		
04				1(0.5)		
05	B	E	A	1(0.5)	38510-220-88	Harris Semiconductor (1)
06				1(0.5)		
07				1(0.3)		
08				1(0.5)		
01	B	X	C	1(0.5)	38510-158-90	Siliconix, Inc.
03				1(0.5)	38510-158-90	
07	B	E	A	1(0.5)	38510-158-90	Siliconix, Inc.
08			C	1(0.5)	38510-158-90	

6/ M38510/201 Qualification Requirements Removed 24 Mar 86

6/ M38510/202 Qualification Requirement Removed 24 May 82

PART I

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/203						
1/ 01	B	E	A	1(1)	38510-692-87	Philips Semiconductors
1/ 04				1(1)	38510-207-88	
1/ 02	S	E	A	1(1)	38510-207-88	Philips Semiconductors
1/ 02	B	E	A	1(1)	38510-207-88	Philips Semiconductors
		F		1(1)		
M38510/204						
1/ 01	B	E	A	1(1)	38510-692-87	Philips Semiconductors
1/ 02	B	E	A	1(1)	38510-692-87	Philips Semiconductors
		F				
1/ 04	B	F	A	1(1)	38510-692-87	Philips Semiconductors
M38510/206						
1/,3/ 02	B	V	A	1(0)	38510-040-90	Advanced Micro Devices, Inc.
1/ 02	B	V	A	1(0.5)	38510-007-90	Philips Semiconductors
1/ 04	S	V	A	1(0.5)	38510-007-90	Philips Semiconductors
	B					
M38510/207						
1/ 01	B	E	A	1(1)	38510-237-88	Philips Semiconductors
1/ 03				1(1)	38510-306-88	
1/ 02	B	E	A	1(1)	38510-914-87	Philips Semiconductors
1/ 04		F		1(1)		
1/ 04	S	F	A	1(1)	38510-210-88	Philips Semiconductors
M38510/208						
1/ 02	B	J	A	1(1)	38510-109-88	Philips Semiconductors
		K				
1/ 03	B	J	A	1(0.5)	38510-307-88	Philips Semiconductors
M38510/209						
1/,3/ 08	B	V	A	1(0)	38510-040-90	Advanced Micro Devices, Inc.
1/ 02	B	V	A	1(1)	38510-201-88	Philips Semiconductors
		Y				
1/ 04	S	J	A	1(1)	38510-208-88	Philips Semiconductors
1/ 04	B	J	A	1(1)	38510-208-88	Philips Semiconductors
1/ 09		K				
1/ 08	B	V	A	1(1)	38510-201-88	Philips Semiconductors
1/ 10				1(1)		
02	B	V	A	1(1)	38510-873-83	Raytheon Co.
04	B	J	A	1(1)	38510-924-83	Raytheon Co.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/210						
1/ 02	S	J K	A	1(1)	38510-205-88	Philips Semiconductors
1/ 02	B	K	A	1(1)	38510-692-87	Philips Semiconductors
1/ 04		L		1(1)		
1/ 04	S	K	A	1(1)	38510-692-88	Philips Semiconductors
02	B	J	A	1(1)	38510-1395-85	Raytheon CO.
6/ M38510/219 Qualification Requirement Removed on 9 Aug 83						
6/ M38510/220 Qualification Requirement Removed on 9 Aug 83						
6/ M38510/221 Qualification Requirement Removed on 9 Aug 83						
6/ M38510/222 Qualification Requirement Removed on 9 Aug 83						
M38510/224						
1/ 01	B	Y	A	1(0)	38510-274-88	Advanced Micro Devices, Inc.
1/ 02				1(0)	38510-866-87	
01	B	Y	A	1(0)	38510-1279-86	Intel Corp.
02				1(0)		
6/ M38510/226 Qualification Requirement Removed on 15 May 86						
M38510/228						
1/ 07	B	Z	C	2(2)	38510-551-89	SEEQ Technology, Inc.
1/ 09	B	X	C	2(2)		
6/ M38510/230 Qualification Requirement Removed on 4 Sep 84						
M38510/231						
01	B	E	A	1(0.5)	38510-012-92	Motorola, Inc.
10	B	W	A	1(1)	38510-017-93	Motorola, Inc.
12				1(1)		
15				1(1)		
6/ M38510/233 Qualification Requirement Removed on 20 Oct 87						
6/ M38510/235 Qualification Requirement Removed on 24 May 82						
6/ M38510/236 Qualification Requirement Removed on 4 Sep 84						
6/ M38510/237 Qualification Requirement Removed on 24 May 82						
M38510/238						
01	B	V	A	1(0)	38510-964-82	Intel Corp.
03				1(0)	38510-963-82	
05				1(0)		
06				1(0)	38510-726-85	
07				1(0)	38510-071-86	
6/ M38510/239 Qualification Requirement Removed on 4 Sep 84						

Device type	Device class	Case outline	Lead finish	ESDS Class PART I (K Voltage Passed) 2/		
M38510/240						
1/ 04	B	E	A	1(1.5)	38510-584-89	SGS-Thomson Microelectronics
1/ 05				1(1.5)		
M38510/244						
1/ 01	B	E	A	1(0.5)	38510-216-88	SGS-Thomson Microelectronics
1/ 02				1(0.5)		
1/ 03				1(0.5)		
M38510R245						
1/ 03	S	V	C	3(4)	38510-137-88	Harris Semiconductor (1)
1/ 04				2(2)	38510-057-90	
M38510/245						
01	B	V	A	1(0.5)	38510-682-87	Harris Semiconductor (1)
02			B	1(0.5)	38510-683-87	
M38510/246						
1/ 02	B	E	A	1(0.3)	38510-583-89	SGS-Thomson Microelectronics
1/ 04				1(0.3)		
M38510/249						
02	B	V	A	3(4)	38510-160-90	Texas Instruments,Inc.
03				3(4)		
04				3(4)		
M38510/250						
1/ 01	B	Y	A	1(1.5)	38510-522-89	SGS-Thomson Microelectronics
1/ 02				1(1.5)		
1/ 03				1(0.5)		
M38510/260						
1/ 03	B	X - - -	A or C	1(0.4)	38510-108-90	SEEQ Technology, Inc.
		Y - - -	A only			
1/ 07	B	X	A	1(0.4)	38510-108-90	SEEQ Technology, Inc.
			C			
M38510/261						
1/ 01	B	X	A	1(0.5)	38510-094-90	SEEQ Technology, Inc.
1/ 03	B	X - - -	A or C	1(0.5)	38510-094-90	SEEQ Technology, Inc.
1/ 04		Z - - -	C only	1(0.5)		
M38510/289						
01	B	V	A	2(2)	38510-537-87	Cypress Semiconductor
02		Y		2(2.2)	38510-010-93	
03				2(2)	38510-537-87	
04				2(2.2)	38510-010-93	
M38510/291						
02	B	J	A	1(0.5)	38510-127-92	Harris Semiconductor (1)
04				1(1)		
10				1(1)		
03	B	R	A	1(1.5)	38510-127-92	Harris Semiconductor (1)
09				1(1.5)		

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/292						
05	B	X	A	1(1)	38510-127-92	Harris Semiconductor (1)
5962H38294 8/						
35	S	N	A	2(2)	38510-056-91	United Technolgies
36	B	X	C	2(2)		Microelectronics Center
37				2(2)		
M38510/300						
01	B	C	A	2(2)	38510-025-92	Motorola, Inc.
03		D		1(1)	38510-526-78	
05		2		1(1)	38510-183-79	
02	B	C	A	2(2)	38510-025-92	Motorola, Inc.
08				1(1)	38510-1090-78	
04	B	C	A	1(1)	38510-725-78	Motorola, Inc.
		2				
06	B	C	A	1(1)	38510-526-79	Motorola, Inc.
07		D		1(1)	38510-735-78	
09				1(1)	38510-209-79	
01	S	C	A	1(0)	38510-812-81	National Semiconductor Corp.
02		D		1(0)	38510-928-84	
03				1(0)	38510-815-81	
04				1(0)	38510-784-81	
05				1(0)	38510-622-81	
09				1(0)	38510-682-84	
01	B	C	A	1(0)	38510-812-81	National Semiconductor Corp.
02		D		1(0)	38510-928-84	
03		2		1(0)	38510-1053-77	
04				1(0.5)	38510-591-89	
05				1(0)	38510-622-81	
07				1(0.75)	38510-1053-77	
09				1(0)	38510-682-84	
1/ 03	B	C	A	1(1)	38510-1198-83	Philips Semiconductors
1/ 05				1(1)	38510-550-83	
1/ 07				1(1)	38510-971-79	
1/ 01	S	C	A	1(0.5)	38510-833-87	Texas Instruments, Inc.
1/ 02		D		1(0.5)	38510-018-88	
1/ 03				1(1)	38510-410-87	
1/ 05				1(0)	38510-108-88	
1/ 07				1(0)	38510-832-87	
1/ 09				1(1)	38510-002-87	
01	B	C	A	1(0.5)	38510-931-76	Texas Instruments, Inc.
03		2		1(1)		
05				1(0)		
07				1(0)		
09				1(1)	38510-846-82	
01	B	D	A	1(0.5)	38510-931-76	Texas Instruments, Inc.
1/ 02				1(0.5)		
03				1(1)		
05				1(0)		
07				1(0)		
09				1(1)	38510-846-82	

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/301						
01	B	C	A	1(1)	38510-273-81	Motorola, Inc.
04		D		1(1)	38510-834-80	
02	B	C	A	1(0)	38510-126-91	Motorola, Inc.
		D				
		2				
03	B	E	A	1(1)	38510-833-80	Motorola, Inc.
07		F		1(1)	38510-057-79	
		2				
05	B	C	A	1(1)	38510-835-80	Motorola, Inc.
08				1(1)	38510-836-80	
06	B	E	A	1(1)	38510-174-81	Motorola, Inc.
09		F		1(0.5)	38510-125-91	
10				1(1)	38510-437-81	
02	B	C	A	1(0)	38510-022-78	National Semiconductor Corp.
04		D		1(0)	38510-591-78	
		2				
06	B	E	A	1(0)	38510-004-78	National Semiconductor Corp.
07		F		1(0)	38510-019-78	
09		2		1(1.375)	38510-004-78	
1/ 02	B	C	A	2(2)	38510-972-79	Philips Semiconductors
		D				
1/ 01	S	C	A	1(0)	38510-219-88	Texas Instruments, Inc.
02		D		3(4)	38510-893-87	
1/ 01	B	D	A	1(0)	38510-827-87	Texas Instruments, Inc.
1/ 02				3(4)		
02	B	C	A	3(4)	38510-1184-77	Texas Instruments, Inc.
		2				
1/ 03	S	E	A	1(0)	38510-699-87	Texas Instruments, Inc.
1/ 06		F		1(0)	38510-653-87	
1/ 07				1(0)	38510-552-87	
1/ 09				2(2)	38510-893-87	
1/ 10				1(0)	38510-037-87	
03	B	E	A	1(0)	38510-1185-77	Texas Instruments, Inc.
06		F		1(0)		
07		2		1(0)		
09				2(2)		
10	B	E	A	1(0)	38510-827-87	Texas Instruments, Inc.
		F				
M38510/302						
01	B	C	A	1(1)	38510-122-79	Motorola, Inc.
02		D		1(1)	38510-123-79	
04	B	C	A	1(1)	38510-1055-78	Motorola, Inc.
03	B	C	A	1(1)	38510-1055-78	Motorola, Inc.
		D				
		2				
03	B	C	A	1(1.25)	38510-592-89	National Semiconductor Corp.
		D				
		2				

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/302 (Continued)						
1/ 01	S	C	A	1(0)	38510-1483-86	Texas Instruments, Inc.
1/ 02		D		1(0)	38510-408-87	
1/ 03				1(0.5)	38510-551-87	
1/ 01	B	D	A	1(0)	38510-597-77	Texas Instruments, Inc.
1/ 02				1(0)		
03				1(0.5)		
02	B	C	A	1(0)	38510-597-77	Texas Instruments, Inc.
03		2		1(0.5)		
M38510/303						
01	B	C	A	1(1)	38510-1033-78	Motorola, Inc.
		D				
		2				
02	B	C	A	1(1)	38510-1034-78	Motorola, Inc.
		D				
03	B	C	A	1(1)	38510-1147-78	Motorola, Inc.
01	B	C	A	1(0)	38510-1198-77	National Semiconductor Corp.
02		D		1(0)	38510-821-81	
		2				
02	S	C	A	1(1)	38510-821-81	National Semiconductor Corp.
		D				
1/ 01	B	C	A	1(1)	38510-560-87	Philips Semiconductors
1/ 01	S	C	A	3(4)	38510-073-92	Texas Instruments, Inc.
1/ 02		D		1(0)	38510-411-87	
01	B	C	A	3(4)	38510-073-92	Texas Instruments, Inc.
02		2		1(0)		
01	B	D	A	3(4)	38510-005-7T	Texas Instruments, Inc.
02				1(0)		
M38510/304						
01	B	C	A	1(1)	38510-1035-78	Motorola, Inc.
		D				
01	B	C	A	1(0)	38510-081-79	National Semiconductor Corp.
02		D		1(0)	38510-082-79	
		2				
1/ 01	S	C	A	1(0)	38510-218-88	Texas Instruments, Inc.
1/ 02		D		2(2)	38510-1491-86	
01	B	C	A	1(0)	38510-004-7T	Texas Instruments, Inc.
		2				
01	B	D	A	1(0)	38510-004-7T	Texas Instruments, Inc.
1/ 02				2(2)		
M38510/305						
01	B	C	A	1(1)	38510-959-78	Motorola, Inc.
02		D		1(1)	38510-843-78	
		2				
01	B	C	A	1(0)	38510-1282-77	National Semiconductor Corp.
02		D		1(0)	38510-814-81	
		2				
02	S	C	A	1(0)	38510-814-81	National Semiconductor Corp.
		D				

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/305 (Continued)						
1/ 01	B	C	A	1(0)	38510-880-81	Philips Semiconductors
1/ 02	B	D	A	1(0.5)	38510-984-79	Philips Semiconductors
1/ 01	S	C	A	1(0)	38510-049-91	Texas Instruments, Inc.
1/ 02		D		1(0)	38510-150-88	
01	B	C	A	1(0)	38510-049-81	Texas Instruments, Inc.
02		D		1(0)		
		2				
M38510/306						
01	B	E	A	1(1)	38510-266-81	Motorola, Inc.
02		F		1(1)	38510-332-82	
09				1(1)	38510-1433-88	
05	B	C	A	2(2)	38510-093-92	Motorola, Inc.
		D				
		2				
08	B	E	A	1(1)	38510-167-81	Motorola, Inc.
		F				
		2				
01	S	E	A	1(0)	38510-182-87	National Semiconductor Corp.
		F				
01	B	E	A	1(0)	38510-827-79	National Semiconductor Corp.
		F				
		2				
05	S	C	A	1(0)	38510-607-86	National Semiconductor Corp.
		D				
05	B	C	A	1(0)	38510-607-86	National Semiconductor Corp.
		D				
		2				
1/ 02	B	E	A	1(0.5)	38510-1194-79	Philips Semiconductors
		F				
		2				
1/ 07	B	E	A	1(0.5)	38510-224-80	Philips Semiconductors
		F				
1/ 01	S	E	A	1(0)	38510-1473-86	Texas Instruments, Inc.
1/ 08		F		1(0)	38510-1813-86	
1/ 09				1(0)	38510-059-87	
01	B	E	A	1(0)	38510-133-78	Texas Instruments, Inc.
02		F		1(0)	38510-1082-79	
08				1(0)	38510-988-82	
09				1(0)	38510-313-82	
04	B	E	A	1(0)	38510-133-78	Texas Instruments, Inc.
1/ 05	S	C	A	1(0)	38510-921-87	Texas Instruments, Inc.
		D				
05	B	C	A	1(0)	38510-153-78	Texas Instruments, Inc.
		D				
		2				
07	B	E	A	1(0)	38510-133-78	Texas Instruments, Inc.
		2				

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/307						
01	B	E	A	1(1)	38510-1002-80	Motorola, Inc.
02		F		1(1)	38510-369-82	
		2				
03	B	E	A	1(1)	38510-1002-80	Motorola, Inc.
		F				
04	B	E	A	1(1)	38510-636-82	Motorola, Inc.
01	S	E	A	1(0)	38510-751-81	National Semiconductor Corp.
02		F		1(0)	38510-752-81	
03				2(2.5)	38510-1021-84	
01	B	E	A	1(0)	38510-1283-77	National Semiconductor Corp.
		F				
		2				
1/ 01	S	E	A	1(0)	38510-830-87	Texas Instruments, Inc.
		F				
01	B	E	A	1(0)	38510-097-78	Texas Instruments, Inc.
02		2		1(0)		
01	B	F	A	1(0)	38510-097-78	Texas Instruments, Inc.
M38510/308						
01	B	J	A	1(1)	38510-020-82	Motorola, Inc.
		K	B			
M38510/309						
01	B	E	A	1(0.5)	38510-113-90	Motorola, Inc.
02		F		1(1)	38510-1001-80	
03		2		1(1)	38510-612-78	
06				1(1)	38510-1048-79	
04	B	E	A	1(1)	38510-050-92	Motorola, Inc.
07				1(1)	38510-050-92	
05	B	E	A	1(0.5)	38510-514-89	Motorola, Inc.
08		F		1(1)	38510-1059-80	
09				1(1)	38510-638-82	
01	B	E	A	1(0)	38510-258-78	National Semiconductor Corp.
02		F		1(0)	38510-258-81	
03		2		1(0)	38510-135-80	
04				1(0)	38510-136-80	
05				1(0)	38510-685-84	
06				1(0)	38510-137-80	
07				1(0)	38510-138-80	
08				1(0)	38510-259-78	
02	S	E	A	1(0)	38510-758-81	National Semiconductor Corp.
03		F		1(0)	38510-1177-81	
04				1(0)	38510-684-84	
05				1(0)	38510-685-84	
08	S	E	A	1(0)	38510-181-87	National Semiconductor Corp.
		F				
1/ 02	S	F	A	1(0)	38510-384-84	Philips Semiconductors
1/ 02	B	E	A	1(0)	38510-384-84	Philips Semiconductors
1/ 06	B	F	A	1(0)	38510-343-89	Philips Semiconductors

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/309 (Continued)						
1/	01	S	E	A	1(0)	38510-039-87	Texas Instruments, Inc.
1/	02		F		2(2)	38510-795-87	
1/	03				1(0)	38510-654-87	
1/	04				1(0)	38510-937-87	
1/	05				1(0)	38510-057-87	
1/	06				3(4)	38510-102-92	
1/	08				1(0)	38510-041-87	
	01	B	E	A	1(0)	38510-300-78	Texas Instruments, Inc.
	02		2		2(2)		
	03				1(0)		
	05				1(0)		
	06				3(4)	38510-102-92	
	07				2(2)	38510-381-79	
	08				1(0)		
	01	B	F	A	1(0)	38510-300-78	Texas Instruments, Inc.
	02				2(2)		
	03				1(0)		
1/	04				1(0)		
	05				1(0)		
	06				3(4)	38510-102-92	
	08				1(0)		
M38510/310							
	01	B	C	A	1(1)	38510-966-78	Motorola, Inc.
	03		D		1(1)	38510-786-78	
	05				1(1)	38510-365-82	
	02	B	C	A	1(1)	38510-785-78	Motorola, Inc.
	04	B	C	A	1(1)	38510-767-78	Motorola, Inc.
			D				
			2				
	01	S	C	A	1(0)	38510-628-84	National Semiconductor Corp.
	03		D		1(0)	38510-479-87	
	01	B	C	A	1(0)	38510-628-84	National Semiconductor Corp.
	03		D		1(0)	38510-1211-77	
	04		2		1(0)		
1/	01	S	C	A	1(0)	38510-1840-86	Texas Instruments, Inc.
1/	04	B	D		1(1)	38510-598-77	
	01	B	C	A	1(0)	38510-598-77	Texas Instruments, Inc.
	03		2		1(0)		
	04				1(1)		
M38510/311							
	01	B	E	A	1(1)	38510-060-79	Motorola, Inc.
			F				
	01	B	E	A	1(0)	38510-666-81	National Semiconductor Corp.
			F				
			2				
1/	01	S	F	A	1(1)	38510-001-80	Philips Semiconductors
		B					
1/	01	S	E	A	1(0)	38510-181-88	Texas Instruments, Inc.
			F				
	01	B	E	A	1(0)	38510-1379-85	Texas Instruments, Inc.
			F				
			2				

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/312						
02	B	E	A	1(1)	38510-049-92	Motorola, Inc.
01	B	E	A	1(0)	38510-370-78	National Semiconductor Corp.
02		F		1(0)		
		2				
1/ 02	S	E	A	1(0)	38510-063-87	Texas Instruments, Inc.
		F				
02	B	E	A	1(0)	38510-350-78	Texas Instruments, Inc.
		F				
		2				
M38510/313						
01	B	C	A	1(1)	38510-125-79	Motorola, Inc.
02	B	C	A	1(1)	38510-085-79	Motorola, Inc.
		D				
		2				
03	B	C	A	1(1)	38510-268-78	Motorola, Inc.
		D				
1/ 02	S	C	A	1(0.8)	38510-225-80	Philips Semiconductors
1/ 03	B	C	A	1(0.5)	38510-989-79	Philips Semiconductors
M38510/314						
01	B	E	A	1(1)	38510-597-78	Motorola, Inc.
		F				
		2				
02	B	E	A	1(1)	38510-1093-78	Motorola, Inc.
		F				
03	B	C	A	1(0)	38510-598-78	Motorola, Inc.
		D				
1/ 01	S	E	A	1(0)	38510-1481-86	Texas Instruments, Inc.
1/ 02		F		1(0)	38510-1815-86	
01	B	E	A	1(0)	38510-477-78	Texas Instruments, Inc.
02		F		1(0)		
		2				
M38510/315						
03	B	E	A	1(1)	38510-137-91	Motorola, Inc.
07				1(1)	38510-366-82	
11				1(1)	38510-479-79	
13				1(1)	38510-371-81	
04	B	E	A	1(1)	38510-137-91	Motorola, Inc.
09		F		1(1)	38510-508-81	
		2				
08	B	E	A	1(1)	38510-021-82	Motorola, Inc.
12		F		1(1)	38510-137-91	
04	B	E	A	1(0.25)	38510-573-89	National Semiconductor Corp.
00		F		1(0)	38510-182-81	
		2				
06	B	E	A	1(0)	38510-802-87	National Semiconductor Corp.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/315 (Continued)						
1/	04	B	2	A	1(1)	38510-394-81	Philips Semiconductors
1/	08	B	F 2	A	1(0.5)	38510-932-80	Philips Semiconductors
1/	12	B	E F 2	A	1(1)	38510-883-80	Philips Semiconductors
1/	01	S	C	A	1(0)	38510-043-87	Texas Instruments, Inc.
1/	02		D		1(0)	38510-731-87	
	01	B	C	A	1(0)	38510-828-78	Texas Instruments, Inc.
	02				1(0)		
	10				1(0)		
1/	01	B	D	A	1(0)	38510-828-78	Texas Instruments, Inc.
1/	02				1(0)		
1/	03	S	E	A	2(2)	38510-413-89	Texas Instruments, Inc.
1/	04		F		2(2)	38510-414-89	
1/	08				1(0)	38510-131-88	
1/	09				1(0)	38510-011-88	
1/	12				2(2)	38510-416-89	
1/	13				2(2)	38510-1479-86	
	03	B	E	A	2(2)	38510-413-89	Texas Instruments, Inc.
	04		2		2(2)	38510-414-89	
	08				1(0)	38510-414-89	
	09				1(0)	38510-414-89	
	12				2(2)	38510-416-89	
1/	03	B	F	A	2(2)	38510-413-89	Texas Instruments, Inc.
	04				2(2)	38510-414-89	
1/	07				1(0)	38510-1009-78	
	08				1(0)	38510-414-89	
	09				1(0)	38510-414-89	
1/	11				2(2)	38510-415-89	
	12				2(2)	38510-416-89	
1/	13				2(2)	38510-1009-78	
M38510/316							
	01	B	E	A	1(1)	38510-038-82	Motorola, Inc.
	02		F		2(2)	38510-094-92	
	03				1(1)	38510-1051-80	
1/	04	B	2	A	2(2)	38510-094-92	Motorola, Inc.
	04	B	E F	A	2(2)	38510-094-92	Motorola, Inc.
	02	B	E	A	1(0)	38510-489-79	National Semiconductor Corp.
	03		F 2		1(0)	38510-676-87	
	01	B	E	A	1(0)	38510-879-79	Texas Instruments, Inc.
1/	05	S	E F	A	1(0)	38510-1477-86	Texas Instruments, Inc.
1/	05	B	E F 2	A	1(0)	38510-910-83	Texas Instruments, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/319						
01	B	E F 2	A	1(1)	38510-116-81	Motorola, Inc.
01	B	E	A	1(0)	38510-041-84	National Semiconductor Corp.
M38510/320						
03 04	B	C 2	A	1(0) 1(1)	38510-122-78	Texas Instruments, Inc.
M38510/321						
02	B	C	A	2(2)	38510-048-92	Motorola, Inc.
1/ 02	S	C D	A	1(0)	38510-1485-87	Texas Instruments, Inc.
02	B	C 2	A	1(0)	38510-506-79	Texas Instruments, Inc.
1/ 02	B	D	A	1(0)	38510-506-79	Texas Instruments, Inc.
M38510/322						
01 03	B	E F	A	1(1) 1(1)	38510-052-92 38510-052-92	Motorola, Inc.
02	B	E	A	1(1)	38510-700-81	Motorola, INc.
04	B	E F 2	A	1(1)	38510-052-92	Motorola, Inc.
01 02 03 04	B	E F 2	A	1(0) 1(0) 1(0) 1(0)	38510-862-78 38510-864-78 38510-862-78	National Semiconductor Corp.
1/ 01 1/ 04	S	F	A	1(1) 1(0)	38510-990-79 38510-992-79	Philips Semiconductors
1/ 04	B	E	A	1(0)	38510-992-79	Philips Semiconductors
01 03	B	E 2	A	1(0) 1(0)	38510-996-82	Texas Instruments, Inc.
1/ 02 1/ 03 1/ 04	S	E F	A	1(0) 1(0) 1(0)	38510-235-88 38510-829-87 38510-309-88	Texas Instruments, Inc.
1/ 02 03 1/ 04	B	F	A	1(0) 1(0) 1(0)	38510-996-82 38510-354-83	Texas Instruments, Inc.
M38510/323						
01	B	C D 2	A	1(1)	38510-051-92	Motorola, Inc.
02	B	C	A	1(1)	38510-051-92	Motorola, Inc.
01 02	B	C 2	A	1(0) 1(0)	38510-1098-79 38510-1152-78	Texas Instruments, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/324						
01	B	R	A	1(1)	38510-330-80	Motorola, Inc.
03		S		1(1)	38510-332-80	
		2				
02	B	R	A	1(1)	38510-331-80	Motorola, Inc.
01	B	R	A	1(0)	38510-871-84	National Semiconductor Corp.
02		S		1(0)	38510-227-85	
03		2		1(0)	38510-942-86	
03	S	R	A	1(0)	38510-772-87	National Semiconductor Corp.
		S				
1/ 01	S	R	A	1(0)	38510-061-87	Texas Instruments, Inc.
1/ 03		S		1(0.5)		
1/ 01	B	S	A	1(0)	38510-1192-83	Texas Instruments, Inc.
1/ 03				1(0.5)	38510-1190-83	
01	B	R	A	1(0)	38510-1182-83	Texas Instruments, Inc.
02		2		1(0)	38510-637-84	
03				1(0)	38510-1190-82	
04				1(0)	38510-790-85	
05				1(0)		
M38510/325						
01	B	R	A	1(1)	38510-837-80	Motorola, Inc.
04		S		1(1)	38510-883-87	
02	B	R	A	1(1)	38510-882-87	Motorola, Inc.
03		S		1(1)	38510-883-87	
		2				
01	B	R	A	1(0)	38510-941-86	National Semiconductor Corp.
		S				
		2				
1/ 02	S	R	A	1(1)	38510-1060-85	Philips Semiconductors
1/ 01	S	R	A	1(0)	38510-1487-86	Texas Instruments, Inc.
1/ 02		S		1(0.5)	38510-037-92	
1/ 03				1(0.5)	38510-1471-86	
1/ 04				1(0)	38510-1489-86	
01	B	S	A	1(0)	38510-652-80	Texas Instruments, Inc.
02				1(0.5)		
03				1(0.5)		
1/ 04				1(0)		
01	B	R	A	1(0)	38510-652-80	Texas Instruments, Inc.
02		2		1(0.5)		
03				1(0.5)		
04				1(0)		
M38510/326						
01	B	E	A	1(1)	38510-042-81	Motorola, Inc.
1/ 01	S	E	A	1(0)	38510-1821-86	Texas Instruments, Inc.
		F				
1/ 01	B	F	A	1(0)	38510-258-81	Texas Instruments, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/327						
02	B	C D 2	A	1(1)	38510-026-92	Motorola, Inc.
01	B	E	A	1(0)	38510-831-79	Texas Instruments, Inc.
1/ 03		2		1(0)		
1/ 02	S	C D	A	1(0)	38510-149-88	Texas Instruments, Inc.
02	B	C D 2	A	1(0)	38510-832-79	Texas Instruments, Inc.
M38510/328						
01	B	C	A	1(1)	38510-241-82	Motorola, Inc.
02		D		1(1)	38510-039-82	
03	B	R S 2	A	1(1)	38510-915-85	Motorola, Inc.
1/ 03	B	R	A	1(1)	38510-165-88	Philips Semiconductors
1/ 03	S	R S	A	1(0.5)	38510-1493-86	Texas Instruments, Inc.
03	B	R S 2	A	1(0.5)	38510-626-82	Texas Instruments, Inc.
M38510/329						
01	B	C D	A	1(1)	38510-367-82	Motorola, Inc.
1/ 01	S	C D	A	1(0)	38510-065-87	Texas Instruments, Inc.
01	B	C D 2	A	1(0)	38510-365-79	Texas Instruments, Inc.
M38510/330						
01	B	C	A	1(1)	38510-010-90	Motorola, Inc.
02		D		1(1)	38510-113-88	
03		2		1(1)	38510-238-88	
04				1(1)	38510-691-87	
01	B	C	A	3(6)	38510-1055-83	National Semiconductor Corp.
02		D		3(6.25)	38510-46-83	
03		2		2(2.5)	38510-1056-83	
04				1(1.5)	38510-46-83	
01	S	C	A	3(6)	38510-66-87	National Semiconductor Corp.
17/ 02		D		3(6.25)	38510-176-87	
03				2(2.5)	38510-186-87	
04				1(1.5)	38510-162-88	
1/ 01	S	C	A	2(2)	38510-743-87	Philips Semiconductors
1/ 01	B	C 2	A	2(2)	38510-119-86	Philips Semiconductors

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/330 (Continued)						
1/ 02	S	C D	A	2(2)	38510-744-87	Philips Semiconductors
1/ 02	B	C	A	2(2)	38510-120-86	Philips Semiconductors
1/ 03				2(2)	38510-23-86	
1/ 04				2(2)	38510-746-87	
1/ 04	S	D	A	2(2)	38510-746-87	Philips Semiconductors
1/ 01	S	C	A	3(4)	38510-206-90	Texas Instruments, Inc.
1/ 02		D		3(4)	38510-111-90	
1/ 03				2(2)	38510-045-91	
1/ 04				1(1)	38510-132-91	
01	B	C	A	3(4)	38510-475-89	Texas Instruments, Inc.
02		D		2(2)	38510-014-88	
03		2		2(2)	38510-145-88	
04				1(1)	38510-132-91	
M38510/332						
01	B	R	A	1(1)	38510-354-89	Motorola, Inc.
02		S		3(4)	38510-198-88	
03		2		1(1)	38510-325-88	
02	B	R	A	3(6.5)	38510-1252-83	National Semiconductor Corp.
03		S		3(7)	38510-543-89	
04		2		1(1.5)	38510-73-88	
				1(1.5)	38510-073-88	
02	S	R	A	3(6.5)	38510-161-87	National Semiconductor Corp.
17/ 03		S		3(7)	38510-160-87	
1/ 01	B	R	A	2(2)	38510-364-86	Philips Semiconductors
1/ 03		S		2(2)	38510-135-87	
		2		2(2)	38510-135-87	
1/ 02	B	R S	A	2(2)	38510-791-87	Philips Semiconductors
1/ 01	S	R	A	3(4)	38510-489-89	Texas Instruments, Inc.
1/ 02		S		3(4)	38510-147-88	
1/ 03				2(2)		
01	B	S	A	3(4)	38510-168-88	Texas Instruments, Inc.
01	B	R	A	3(4)	38510-168-88	Texas Instruments, Inc.
02		2		3(4)	38510-147-88	
03				2(2)		
M38510/333						
01	B	C D 2	A	1(1)	38510-032-88	Motorola, Inc.
17/ 01	S	C D	A	2(2.5)	38510-166-87	National Semiconductor Corp.
01	B	C D 2	A	2(2.5)	38510-656-83	National Semiconductor Corp.
1/ 01	S	C	A	2(2)	38510-747-87	Philips Semiconductors
1/ 01	B	2	A	2(2)	38510-747-87	Philips Semiconductors
01	B	C 2	A	2(2)	38510-13-88	Texas Instruments, Inc.
1/ 01	B	D	A	2(2)	38510-13-88	Texas Instruments, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/334						
01	B	C D 2	A	1(1)	38510-007-88	Motorola, Inc.
01	S	C D	A	2(2)	38510-169-87	National Semiconductor Corp.
01	B	C D 2	A	2(2)	38510-673-83	National Semiconductor Corp.
1/ 01	S	D	A	2(2)	38510-748-87	Philips Semiconductors
M38510/335						
01	B	C D 2	A	1(1)	38510-901-87	Motorola, Inc.
01	S	C D	A	3(5.25)	38510-179-87	National Semiconductor Corp.
01	B	C D 2	A	3(5.25)	38510-1164-84	National Semiconductor Corp.
1/ 01	S	C	A	2(2)	38510-596-89	Philips Semiconductors
1/ 01	B	C D	A	2(2)	38510-596-89	Philips Semiconductors
M38510/336						
01	B	E F 2	A	1(1)	38510-143-91	Motorola, Inc.
01	B	E F 2	A	1(1.75)	38510-835-87	National Semiconductor Corp.
1/ 01	B	E F	A	1(1)	38510-693-87	Philips Semiconductors
M38510/337						
01 02	B	E F 2	A	1(1) 1(1)	38510-1828-86 38510-1829-86	Motorola, Inc.
17/ 01 02	S	E F	A	2(2.75) 3(6.75)	38510-180-87 38510-187-87	National Semiconductor Corp.
01 02	B	E F 2	A	2(2.75) 3(6.75)	38510-858-84 38510-1145-83	National Semiconductor Corp.
1/ 01	S	E F	A	2(2)	38510-818-87	Philips Semiconductors
1/ 01	B	E F 2	A	2(2)	38510-818-87	Philips Semiconductors
1/ 02	B	E F	A	2(2)	38510-125-86	Philips Semiconductors
1/ 01	S	E F	A	2(2)	38510-095-90	Texas Instruments, Inc.
01	B	E F 2	A	3(4)	38510-103-92	Texas Instruments, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed)	PART I 2/	
M38510/338						
03	B	R	A	3(4)	38510-200-88	Motorola, Inc.
04		S		1(1)	38510-145-91	
		2				
01	B	K	A	3(7.75)	38510-805-87	National Semiconductor Corp.
		L				
02	B	E	A	3(5)	38510-453-89	National Semiconductor Corp.
		F				
		2				
M38510/339						
01	B	E	A	1(1)	38510-1830-86	Motorola, Inc.
02		F		1(1)	38510-696-87	
03		2		1(1)	38510-305-88	
04				1(1)	38510-338-89	
08				1(1)	38510-1831-86	
09				1(1)	38510-670-87	
10				1(1)	38510-690-87	
01	S	E	A	2(2)	38510-188-87	National Semiconductor Corp.
02		F		3(5.5)	38510-165-87	
03				3(5)	38510-157-87	
17/ 04				3(5.5)	38510-156-87	
05				2(2)	38510-167-87	
06				1(0)	38510-159-87	
07				1(0)	38510-157-87	
08				3(5.0)	38510-164-87	
01	B	E	A	2(2)	38510-367-86	National Semiconductor Corp.
02		F		3(5.5)	38510-67-84	
03		2		3(5)	38510-253-86	
04				3(5.5)	38510-255-86	
05				2(2)	38510-369-86	
06				1(0)	38510-257-86	
07				1(0)	38510-259-86	
08				3(5.0)	38510-65-85	
1/ 03	B	E	A	2(2)	38510-460-89	Philips Semiconductors
02	B	E	A	3(4)	38510-499-89	Texas Instruments, Inc.
05	B	E	A	2(2)	38510-022-93	Texas Instruments, Inc.
		2				
M38510/340						
01	B	C	A	1(1)	38510-660-87	Motorola, Inc.
02		D		1(1)	38510-523-89	
		2				
01	S	C	A	3(6.5)	38510-177-87	National Semiconductor Corp.
02		D		2(2.5)	38510-178-87	
01	B	C	A	3(6.5)	38510-546-89	National Semiconductor Corp.
02		D		2(2.5)		
		2				
1/ 01	S	C	A	2(2)	38510-750-87	Philips Semiconductors
		D				
1/ 01	B	C	A	2(2)	38510-126-86	Philips Semiconductors
1/ 02	B	C	A	1(0.5)	38510-127-86	Philips Semiconductors
		2				

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/340 (Continued)						
1/ 02	S	C D	A	3(4)	38510-015-91	Texas Instruments, Inc.
02	B	C D 2	A	3(4)	38510-15-91	Texas Instruments, Inc.
M38510/341						
01	B	C D 2	A	1(1)	38510-581-87	Motorola, Inc.
02	B	E	A	1(1)	38510-1281-86	Motorola, Inc.
04		F		1(1)	38510-390-85	
07		2		1(1)	38510-391-85	
09				1(0.5)	38510-104-90	
05	B	R	A	1(0.5)	38510-144-91	Motorola, Inc.
06		S 2		1(1)	38510-650-87	
01	S	C D	A	2(2.25)	38510-651-87	National Semiconductor Corp.
01	B	C D 2	A	2(2.25)	38510-1306-86	National Semiconductor Corp.
02	B	E	A	2(2.25)	38510-1307-86	National Semiconductor Corp.
04		F		3(7.5)	38510-102-90	
07		2		3(7.5)	38510-545-89	
05	B	R	A	3(6.75)	38510-371-86	National Semiconductor Corp.
06		S 2		3(6.5)	38510-468-86	
07	S	E F	A	3(7.5)	38510-545-89	National Semiconductor Corp.
1/ 01	B	C D 2	A	2(2)	38510-128-86	Philips Semiconductors
1/ 02	S	F	A	2(2)	38510-815-87	Philips Semiconductors
1/ 02	B	E F	A	2(2)	38510-815-87	Philips Semiconductors
1/ 03		E	A	2(2)	38510-789-87	Philips Semiconductors
1/ 07		F 2		2(2)	38510-057-88	
1/ 04	B	E 2	A	1(1)	38510-459-89	Philips Semiconductors
1/ 05	B	R S 2	A	2(2)	38510-163-90	Philips Semiconductors
01	B	C D 2	A	3(4)	38510-017-88	Texas Instruments, Inc.
1/ 01	S	C D	A	3(4)	38510-016-90	Texas Instruments, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K voltage passed) 2/		PART I
M38510/342						
01	B	E F 2	A	1(0)	38510-534-89	Motorola, Inc.
01	S	E F	A	3(7)	38510-168-87	National Semiconductor Corp.
01	B	E F 2	A	3(7)	38510-547-89	National Semiconductor Corp.
01	B	E F 2	A	2(2)	38510-500-89	Texas Instruments, Inc.
M38510/343						
01	B	E F 2	A	1(0.5)	38510-143-91	Motorola Inc.
01	S	E	A	3(6.5)	38510-643-87	National Semiconductor Corp.
17/ 02		F		3(6)	38510-640-87	
01	B	E	A	3(6.5)	38510-525-89	National Semiconductor Corp.
02		F		3(6)	38510-1425-86	
04		2		3(7)	38510-1423-86	
1/ 01	B	E F	A	2(2)	38510-672-87	Philips Semiconductors
1/ 02	B	F 2	A	1(1)	38510-342-88	Philips Semiconductors
1/ 04	B	E	A	1(0)	38510-058-88	Philips Semiconductors
M38510/344						
01	S	E F	A	3(7)	38510-544-89	National Semiconductor Corp.
01	B	E	A	3(7)	38510-544-89	National Semiconductor Corp.
04		F 2		3(7)	38510-486-86	
1/ 03	B	E	A	2(2)	38510-110-88	Philips Semiconductors
M38510/345						
01	B	C D 2	A	1(1)	38510-695-87	Motorola, Inc.
01	S	C D	A	2(2.5)	38510-649-87	National Semiconductor Corp.
01	B	C D 2	A	2(2.5)	38510-649-87	National Semiconductor Corp.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/346						
01	B	R	A	3(4)	38510-018-92	Motorola, Inc.
02		S		3(4)	38510-027-92	
		2				
01	S	R	A	3(5.5)	38510-776-87	National Semiconductor Corp.
		S				
01	B	R	A	3(5.5)	38510-081-88	National Semiconductor Corp.
02		S		3(6)	38510-927-86	
03		2		3(6.5)	38510-700-87	
04				3(4.75)	38510-701-87	
1/ 01	B	R	A	2(2)	38510-162-90	Philips Semiconductors
		2				
M38510/347						
17/ 01	S	R	A	2(2)	38510-777-87	National Semiconductor Corp.
		S				
01	B	R	A	2(2)	38510-079-88	National Semiconductor Corp.
		S				
		2				
1/ 01	S	R	A	2(2)	38510-187-90	Texas Instruments, Inc.
		S				
01	B	R	A	2(2)	38510-825-87	Texas Instruments, Inc.
		S				
		2				
M38510/348						
01	B	C	A	3(4)	38510-019-92	Motorola, Inc.
02		D		3(4)	38510-072-91	
		2				
03	B	R	A	3(4)	38510-140-91	Motorola, Inc.
		S				
		2				
03	B	R	A	3(8)	38510-538-89	National Semiconductor Corp.
		S				
03	B	R	A	3(8)	38510-538-89	National Semiconductor Corp.
		S				
		2				
1/ 03	B	R	A	2(2)	38510-068-88	Philips Semiconductors
1/ 03	S	R	A	2(2)	38510-492-89	Texas Instruments, Inc.
		S				
03	B	R	A	2(2)	38510-540-89	Texas Instruments, Inc.
M38510/349						
01	B	C	A	1(1)	38510-524-89	Motorola, Inc.
		D				
		2				
01	S	C	A	3(7.25)	38510-189-87	National Semiconductor Corp.
		D				
01	B	C	A	3(7.25)	38510-189-87	National Semiconductor Corp.
		D				
		2				
1/ 01	B	C	A	2(2)	38510-1988-86	Philips Semiconductors
		2				

PART I

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/350						
01	B	R S 2	A	1(1)	38510-143-91	Motorola, Inc.
02	B	E F 2	A	1(1)	38510-143-91	Motorola, Inc.
01	S	R S	A	2(2.25)	38510-162-87	National Semiconductor Corp.
01	B	R S 2	A	2(2.25)	38510-162-87	National Semiconductor Corp.
02	S	E F	A	2(2.75)	38510-163-87	National Semiconductor Corp.
02	B	E F 2	A	2(2.75)	38510-163-87	National Semiconductor Corp.
1/ 01	B	R 2	A	1(1)	38510-121-91	Philips Semiconductors
1/ 02	B	E F 2	A	1(0)	38510-678-87	Philips Semiconductors
M38510/351						
01	B	E F 2	A	2(3)	38510-054-88	National Semiconductor Corp.
M38510/352						
02	B	C D 2	A	2(2.25)	38510-045-88	National Semiconductor Corp.
M38510/360						
01	S	E F	A	1(0)	38510-413-86	Texas Instruments, Inc.
01 02	B	E 2	A	1(0) 1(0)	38510-685-80	Texas Instruments, Inc.
1/ 01 1/ 02	B	F	A	1(0) 1(0)	38510-685-80	Texas Instruments, Inc.
M38510/361						
1/ 01	S	E F	A	1(0)	38510-793-87	Texas Instruments, Inc.
01	B	E 2	A	1(0)	38510-1132-84	Texas Instruments, Inc.
1/ 01	B	F	A	1(0)	38510-1132-84	Texas Instruments, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K voltage passed) 2/	PART I	
M38510/370						
1/ 01	S	C	A	2(2)	38510-119-90	Texas Instruments, Inc.
1/ 02		D		2(2)	38510-120-90	
1/ 03				2(2)	38510-121-90	
1/ 04				2(2)	38510-658-84	
1/ 06				2(2)	38510-104-92	
01	B	C	A	2(2)	38510-119-90	Texas Instruments, Inc.
02		2		2(2)	38510-925-86	
03				2(2)	38510-121-90	
04				2(2)	38510-658-84	
06				2(2)	38510-104-92	
1/ 05	S	E	A	1(0)	38510-1119-83	Texas Instruments, Inc.
		F				
05	B	E	A	1(0)	38510-1119-83	Texas Instruments, Inc.
		2				
M38510/371						
1/ 01	S	C	A	2(2)	38510-125-90	Texas Instruments, Inc.
		D				
01	B	C	A	2(2)	38510-121-92	Texas Instruments, Inc.
		2				
02	B	E	A	3(4)	38510-126-90	Texas Instruments, Inc.
03		2		1(1)	38510-127-90	
1/ 02	S	E	A	3(4)	38510-126-90	Texas Instruments, Inc.
1/ 03		F		1(1)	28510-127-90	
1/ 04	S	R	A	2(2)	38510-1408-86	Texas Instruments, Inc.
		S				
04	B	R	A	2(2)	38510-1408-86	Texas Instruments, Inc.
		2				
M38510/372						
1/ 01	S	E	A	2(2)	38510-1078-86	Texas Instruments, Inc.
1/ 02		F		2(2)	38510-846-86	
01	B	E	A	2(2)	38510-1078-85	Texas Instruments, Inc.
02		2		2(2)	38510-846-86	
1/ 03	S	R	A	2(2)	38510-391-86	Texas Instruments, Inc.
1/ 04		S		2(2)	38510-88-90	
03	B	R	A	2(2)	38510-391-86	Texas Instruments, Inc.
04		2		2(2)	38510-88-90	
M38510/373						
1/ 01	S	C	A	3(4)	38510-133-90	Texas Instruments, Inc.
1/ 02		D		1(0)	38510-1562-85	
01	B	C	A	3(4)	38510-133-90	Texas Instruments, Inc.
02		2		1(0)	38510-1562-85	
M38510/374						
1/ 01	S	C	A	3(4)	38510-135-90	Texas Instruments, Inc.
1/ 02		D		1(0)	38510-174-90	
01	B	C	A	3(4)	38510-174-90	Texas Instruments, Inc.
02		2		1(0)		

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/375						
1/	01	S	A	2(2)	38510-137-90	Texas Instruments, Inc.
		C, D				
	01	B	A	2(2)	38510-188-90	Texas Instruments, Inc.
		C, 2				
38510/377						
1/	01	S	A	2(2)	38510-173-90	Texas Instruments, Inc.
		E, F				
	01	B	A	2(2)	38510-173-90	Texas Instruments, Inc.
		E, 2				
M38510/379						
1/	01	B	A	1(0)	38510-837-85	Texas Instruments, Inc.
M38510/380						
1/	01	S	A	3(4)	38510-139-90	Texas Instruments, Inc.
1/	03	F		2(2)	38510-109-87	
	01	B	A	3(4)	38510-139-90	Texas Instruments, Inc.
	02	E, 2		2(2)		
	03			2(2)	38510-109-87	
M38510/382						
1/	01	S	A	2(2)	38510-1410-86	Texas Instruments, Inc.
		R, S				
	01	B	A	2(2)	38510-1410-86	Texas Instruments, Inc.
		R, 2				
M38510/383						
1/	01	S	A	2(2)	38510-143-90	Texas Instruments, Inc.
1/	02	R, S		3(4)	38510-498-89	
1/	03			3(4)	38510-145-90	
	01	B	A	2(2)	38510-143-90	Texas Instruments, Inc.
	02	R, 2		3(4)	38510-498-89	
	03			3(4)	38510-145-90	
M38510/384						
1/	01	S	A	1(0)	38510-798-84	Texas Instruments, Inc.
1/	02	C, D		1(0)	38510-460-85	
1/	07			1(0)	38510-798-84	
1/	11			2(2)	38510-546-85	
	01	B	A	1(0)	38510-798-84	Texas Instruments, Inc.
	02	C, 2		1(0)	38510-460-85	
	07			1(0)	38510-798-84	
	11			2(2)	38510-546-85	
M38510/385						
1/	05	S	A	2(2)	38510-211-90	Texas Instruments, Inc.

6/ M38510/400 Qualification Requirement Removed on 9 Aug 83

6/ M38510/401 Qualification Requirement Removed on 9 Aug 83

6/ M38510/402 Qualification Requirement Removed on 9 Aug 83

6/ M38510/403 Qualification Requirement Removed on 9 Aug 83

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		PART I
6/	M38510/421	Qualification Requirement Removed on 9 Aug 83				
6/	M38510/422	Qualification Requirement Removed on 9 Aug 83				
6/	M38510/423	Qualification Requirement Removed on 9 Aug 83				
6/	M38510/440	Qualification Requirement Removed on 17 Jul 86				
6/	M38510/441	Qualification Requirement Removed on 9 Aug 83				
6/	M38510/442	Qualification Requirement Removed on 9 Aug 83				
6/	M38510/460	Qualification Requirement Removed on 29 Jun 84				
6/	M38510/465	Qualification Requirement Removed on 18 Aug 86				
6/	M38510/470	Qualification Requirement Removed on 9 Aug 83				
6/	M38510/471	Qualification Requirement Removed on 9 Aug 83				
6/	M38510/472	Qualification Requirement Removed on 9 Aug 83				
6/	M38510/473	Qualification Requirement Removed on 9 Aug 83				
6/	M38510/474	Qualification Requirement Removed on 9 Aug 83				
6/	M38510/476	Qualification Requirement Removed on 9 Aug 83				
6/	M38510/481	Qualification Requirement Removed on 18 Jun 84				
6/	M38510/482	Qualification Requirement Removed on 18 Jun 84				
6/	M38510/483	Qualification Requirement Removed on 15 Jun 84				
6/	M38510/484	Qualification Requirement Removed on 29 Jun 84				
6/	M38510/490	Qualification Requirement Removed on 11 Sep 86				
6/	M38510/500	Qualification Requirement Removed on 4 Aug 86				
M38510/502						
1/	01	B	X	A	1(0.5) 38510-463-89	Philips Semiconductors
1/	02				1(0.5) 38510-371-87	
M38510/503						
1/,3/	01	B	R	A	1(0) 38510-038-90	Advanced Micro Devices, Inc.
1/,3/	02				1(0)	
1/,3/	03				1(0)	
1/,3/	06				1(0)	
1/,3/	08				1(0)	
M38510/504						
1/,3/	08	B	R	A	1(0) 38510-040-90	Advanced Micro Devices, Inc.
1/,3/	10		2		1(0)	
1/,3/	09	B	R	A	1(0) 38510-040-90	Advanced Micro Devices, Inc.
	01	B	R	A	2(2) 38510-477-89	Texas Instruments, Inc.
	02				1(0.5) 38510-476-89	
	03				1(0.5) 38510-478-89	
	04				1(0.5) 38510-479-89	
	07				1(0.5) 38510-053-91	
	08				1(0.5)	
	09				1(0.5)	
	10				1(0.5)	

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/505						
1/,3/ 01	B	3	A	1(0)	38510-040-90	Advanced Micro Devices, Inc.
1/,3/ 02	B	L 3	A	1(0)	38510-040-90	Advanced Micro Devices, Inc.
1/,3/ 03	B	L	A	1(0)	38510-040-90	Advanced Micro Devices, Inc.
1/,3/ 04				1(0)		
01	B	L	A	1(1)	38510-200-90	Texas Instruments, Inc.
02				1(1)	38510-590-89	
03				1(1)	38510-201-90	
04				1(1)	38510-202-90	
M38510/506						
01	B	R	A	1(0)	38510-725-87	Texas Instruments, Inc.
02				1(0)	38510-510-89	
03				1(0)	38510-511-89	
04				1(0)	38510-725-87	
05				1(1.5)	38510-513-89	
06				1(0.5)	38510-480-89	
07				1(0.5)	38510-481-89	
08				1(0.5)	38510-518-89	
M38510/507						
01	B	K	A	2(2)	38510-83-92	Cypress Semiconductor
02		L		2(2)		
03		3		2(2)		
04						
M38510/508						
01	B	K	A	2(2)	38510-83-92	Cypress Semiconductor
02		L		2(2)		
03		3		2(2)		
04				2(2)		
M38510/530						
01	B	Q	A	1(0.5)	38510-008-93	Intel Corp.
M38510/555						
01	B	Z	A	2(2)	38510-624-87	United Technologies
02			C	2(2)	38510-087-91	Microelectronics Center
M38510/605						
04	B	Q	A	1(1)	38510-150-90	United Technologies Microelectronics Center
M38510H606 8/						
17	S	Z	A	1(1)	38510-086-92	United Technologies
	B	5	C			Microelectronics Center
M38510/606						
08	B	N Y	A	1(0)	38510-041-88	United Technologies Microelectronics Center
M38510H607 8/						
17	S	M - - -	A or C	1(1)	38510-086-92	United Technologies
	B	T - - -	A or C			Microelectronics Center
		4 - - -	C only			
		5 - - -	C only			
		6 - - -	C only			

Device type		Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		PART I
M38510/607							
	11	B	T	A C	1(1)	38510-531-89	United Technologies Microelectronics Center
M38510H608 8/							
	17	S B	Z 7	A C	1(1)	38510-086-92	United Technologies Microelectronics
M38510/608							
	11	B	Z	A	1(1)	38510-076-90	United Technologies Microelectronics Center
M38510/650							
1/	01	S	C	A	1(1)	38510-196-90	Texas Instruments, Inc.
1/	02		D		3(4)	38510-090-92	
1/	03				1(1)	38510-839-87	
1/	04				1(1)	38510-754-87	
	01	B	C	A	1(1)	38510-196-90	Texas Instruments, Inc.
	02		2		3(4)	38510-090-92	
	04				1(1.5)	38510-1560-85	
	01	B	D	A	1(1)	38510-196-90	Texas Instruments, Inc.
	02				1(1)	38510-1710-86	
	04				1(1.5)	38510-1560-85	
	03	B	C D	A	1(1.5)	38510-1560-85	Texas Instruments, Inc.
1/	03	B	2	A	1(1.5)	38510-1560-85	Texas Instruments, Inc.
M38510/651							
1/	01	S	C	A	1(1)	38510-840-87	Texas Instruments, Inc.
1/	02		D		1(1)	38510-841-87	
1/	04				1(1)	38510-843-87	
	01	B	C D 2	A	1(1)	38510-1357-86	Texas Instruments, Inc.
	02	B	C	A	1(1)	38510-1357-86	Texas Instruments, Inc.
	03		D		1(1.5)		
	04				2(2)	38510-340-88	
1/	02	B	2	A	1(1)	38510-1357-86	Texas Instruments, Inc.
1/	03				1(1.5)		
1/	04				1(1)		
1/	03	S	C D	A	1(1.5)	38510-1357-86	Texas Instruments, Inc.
M38510/652							
1/	01	S	C	A	1(1)	38510-024-91	Texas Instruments, Inc.
1/	02		D		1(1)	38510-845-87	
1/	03				1(1)	38510-1247-86	
1/	04				1(1)	38510-847-87	
	01	B	C	A	1(1)	38510-1247-86	Texas Instruments, Inc.
	03		2		1(1)		
	01	B	D	A	1(1.5)	38510-1247-86	Texas Instruments, Inc.
	02				1(1.5)		
	03				1(1)		
	04				1(1)	38510-340-88	
	02	B	C	A	1(1.5)	38510-1247-86	Texas Instruments, Inc.
	04				1(1)	38510-340-88	
1/	02	B	2	A	1(1.5)	38510-1247-86	Texas Instruments, Inc.
1/	04				1(1)	38510-340-88	

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/653						
	02	B	C D 2	A	2(2)	38510-118-87 Texas Instruments, Inc.
1/	02	S	C	A	2(2)	38510-900-87 Texas Instruments, Inc.
1/	52		D		1(1)	38510-624-89
	04	B	E 2	A	1(1)	38510-1706-86 Texas Instruments, Inc.
1/	04	B	F	A	1(1)	38510-1706-86 Texas Instruments, Inc.
1/	04	S	E	A	1(1)	38510-848-87 Texas Instruments, Inc.
1/	05		F		1(1)	38510-849-87
1/	06				1(1)	38510-941-87
1/	07				1(1)	38510-850-87
1/	08				1(1)	38510-851-87
	05	B	E	A	1(1)	38510-1706-86 Texas Instruments, Inc.
	06		F		1(1)	38510-941-87
	07				2(2)	38510-1927-86
	08				1(1)	38510-536-89
1/	05	B	2	A	1(1)	38510-1706-86 Texas Instruments, Inc.
1/	06				1(1)	38510-941-87
1/	07				2(2)	38510-1927-86
1/	08				1(1)	38510-536-89
1/	52	B	D 2	A	1(1)	38510-503-89 Texas Instruments, Inc.
	52	B	C	A	1(1)	38510-503-89 Texas Instruments, Inc.
M38510/654						
1/	02	S	E F	A	1(1)	38510-172-88 Texas Instruments, Inc.
	02	B	E	A	1(1)	38510-172-88 Texas Instruments, Inc.
1/	02	B	F 2	A	1(0)	38510-172-88 Texas Instruments, Inc.
1/	03	S	S	A	2(2)	38510-277-88 Texas Instruments, Inc.
1/	53				3(4)	38510-599-89
	03	B	S	A	2(2)	38510-943-87 Texas Instruments, Inc.
1/	06				2(2)	38510-254-89
	53				3(4)	38510-503-89
	03	B	R 2	A	2(2)	38510-943-87 Texas Instruments, Inc.
1/	06	S	R S	A	2(2)	38510-254-89 Texas Instruments, Inc.
	06	B	R	A	2(2)	38510-254-88 Texas Instruments, Inc.
	53				2(2)	38510-503-89
1/	53	B	2	A	3(4)	38510-503-89 Texas Instruments, Inc.
M38510/655						
	03	B	R	A	1(1)	38510-821-87 Texas Instruments, Inc.
	53		S		1(1)	38510-174-88
1/	03	S	R	A	1(1)	38510-247-88 Texas Instruments, Inc.
1/	53		S		1(1)	38510-361-89

Device type		Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		PART I
M38510/656							
1/	01	B	2	A	2(2)	38510-302-88	Texas Instruments, Inc.
1/	02				1(1.5)		
1/	52				1(1)	38510-378-89	
	01	B	R	A	2(2)	38510-302-88	Texas Instruments, Inc.
	02		S		2(2)		
	52				1(1)	38510-378-89	
1/	01	S	R	A	2(2)	38510-852-87	Texas Instruments, Inc.
1/	02		S		2(2)	38510-853-87	
1/	04				2(2)	38510-837-87	
1/	52				1(1)	38510-378-89	
1/	02	S	R	A	2(2)	38510-302-88	Texas Instruments, Inc.
1/	04	B	S	A	2(2)	38510-837-87	Texas Instruments, Inc.
	04	B	R	A	2(2)	38510-837-87	Texas Instruments, Inc.
M38510/657							
1/	01	S	C	A	1(1)	38510-185-88	Texas Instruments, Inc.
1/	02		D		1(1)	38510-073-90	
1/	51				3(4)	38510-017-91	
	01	B	C	A	1(1.5)	38510-621-87	Texas Instruments, Inc.
			2				
	01	B	D	A	1(1.5)	38510-621-87	Texas Instruments, Inc.
1/	02	B	2	A	1(1)	38510-073-90	Texas Instruments, Inc.
	02	B	C	A	1(1)	38510-073-90	Texas Instruments, Inc.
			D				
	03	B	R	A	2(2)	38510-708-87	Texas Instruments, Inc.
	05		2		2(2)		
1/	03	S	R	A	2(2)	38510-708-87	Texas Instruments, Inc.
1/	04		S		2(2)	38510-061-88	
1/	05				1(1)	38510-062-88	
1/	10				2(2)	38510-619-87	
1/	53				2(2)	38510-046-90	
1/	60				1(1)	38510-375-89	
1/	61				1(1)	38510-245-88	
1/	04	S	R	A	1(1.5)	38510-318-88	Texas Instruments, Inc.
		B					
1/	04	B	2	A	1(1.5)	38510-717-87	Texas Instruments, Inc.
1/	06	S	E	A	1(1)	38510-717-87	Texas Instruments, Inc.
1/	08		F		1(1)	38510-291-88	
1/	09				1(1)	38510-717-87	
	06	B	E	A	1(1)	38510-717-87	Texas Instruments, Inc.
	08				1(1)		
	09				1(1)		
1/	06	B	F	A	1(1)	38510-1706-86	Texas Instruments, Inc.
1/	09		2		1(1)		
	08	B	F	A	1(1)	38510-1706-86	Texas Instruments, Inc.
1/	08	B	2	A	1(1)	38510-1706-86	Texas Instruments, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/657 (Continued)						
10	B	R	A	2(2)	38510-619-87	Texas Instruments, Inc.
55				1(1)	38510-464-89	
60				1(1)	38510-375-89	
61				1(1)	38510-245-88	
1/ 10	B	S	A	2(2)	38510-619-87	Texas Instruments, Inc.
1/ 55		2		1(1)	38510-464-89	
1/ 60				1(1)	38510-375-89	
1/ 61				1(1)	38510-245-88	
1/ 11	B	R	A	3(4)	38510-006-87	Texas Instruments, Inc.
		S				
11	B	R	A	1(1.5)	38510-619-87	Texas Instruments, Inc.
1/ 11	B	S	A	1(1.5)	38510-619-87	Texas Instruments, Inc.
51	B	C	A	3(4)	38510-017-91	Texas Instruments, Inc.
1/ 51	B	2	A	1(1)	38510-046-90	Texas Instruments, Inc.
1/ 53				2(2)	38510-046-90	
53	B	R	A	2(2)	38510-046-90	Texas Instruments, Inc.
1/ 55	S	R	A	1(1)	38510-464-89	Texas Instruments, Inc.
M38510/658						
02	B	F	A	2(2)	38510-855-87	Texas Instruments, Inc.
03				2(2)		
02	B	E	A	2(2)	38510-855-87	Texas Instruments, Inc.
		2				
1/ 02	S	E	A	2(2)	38510-152-88	Texas Instruments, Inc.
1/ 03		F		2(2)	38510-275-88	
1/ 52				1(1)	38510-389-89	
1/ 03	B	2	A	2(2)	38510-116-90	Texas Instruments, Inc.
03	B	E	A	2(2)	38510-116-90	Texas Instruments, Inc.
52				1(1)	38510-084-90	
1/ 52	B	F	A	1(1)	38510-084-90	Texas Instruments, Inc.
		2				
M38510/663						
1/ 02	S	E	A	1(1)	38510-561-89	Texas Instruments, Inc.
		F				
02	B	E	A	2(2)	38510-559-89	Texas Instruments, Inc.
04				1(1)		
02	B	2	A	2(2)	38510-559-89	Texas Instruments, Inc.
1/ 04	B	F	A	1(1)	38510-559-89	Texas Instruments, Inc.
		2				
1/ 04	S	E	A	1(1)	38510-562-89	Texas Instruments, Inc.
		F				
1/ 09	S	C	A	2(2)	38510-240-88	Texas Instruments, Inc.
		D				
09	B	C	A	2(2)	38510-240-88	Texas Instruments, Inc.
		D				
1/ 09	B	2	A	2(2)	38510-240-88	Texas Instruments, Inc.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/	PART I	
M38510/702						
01	B	E	A	1(0.5)	38510-614-89	Unitrode Integrated Circuits Corp.
5962-38705						
01	S B	G P	A	1(1)	38510-115-92	National Semiconductor Corp.
M38510/706						
01	B	C E R V X 2	A	1(.04)	38510-190-90	Raytheon Co.
02	B	E L R X	A	1(0.5)	38510-114-90	Raytheon Co.
03	B	E Q R V X	A	1(0.4)	38510-023-90	Raytheon Co.
M38510R750 8/						
01	S	C	A	3(4)	38510-051-90	National Semiconductor Corp.
02	B	D		3(7.25)	38510-052-90	
03				2(3)	38510-053-90	
M38510/750						
01	S	2	A	3(4)	38510-051-90	National Semiconductor Corp.
02	B			3(7.25)	38510-052-90	
03				2(3)	38510-053-90	
M38510R751 8/						
01	S B	C D	A	2(2.75)	38510-051-91	National Semiconductor Corp.
M38510/751						
01	S B	2	A	2(2.75)	38510-051-90	National Semiconductor Corp.
M38510R752 8/						
01	S	C	A	3(10)	38510-02-91	National Semiconductor Corp.
02	B	D		2(2.75)	38510-03-91	
03				3(9.75)	38510-081-91	
04				3(10)	38510-052-91	
M38510/752						
01	S	2	A	3(10)	38510-002-91	National Semiconductor Corp.
02	B			2(2.75)	38510-003-91	
03				3(9.75)		
04	S B	C D 2	A	3(10)	38510-052-91	National Semiconductor Corp.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510R753 8/						
02	S	C	A	3(10)	38510-076-91	National Semiconductor Corp.
	B	D				
07	S	E	A	3(8.75)	38510-097-92	National Semiconductor Corp.
	B	F				
M38510/753						
02	S	C	A	3(10)	38510-076-91	National Semiconductor Corp.
	B	D				
		2				
04	S	E	A	3(5.25)	38510-069-92	National Semiconductor Corp.
07	B	F		3(8.75)	38510-097-92	
		2				
M38510R754 8/						
03	S	R	A	3(6.25)	38510-004-91	National Semiconductor Corp.
	B	S				
M38510/754						
03	S	2	A	3(6.25)	38510-004-91	National Semiconductor Corp.
	B					
M38510R755 8/						
03	S	R	A	3(10)	38510-045-91	National Semiconductor Corp.
	B	S				
M38510/755						
03	S	2	A	3(10)	38510-045-91	National Semiconductor Corp.
	B					
M38510/756						
01	S	R	A	3(5.5)	38510-074-91	National Semiconductor Corp.
02	B	S		2(3.75)	38510-075-91	
03		2		3(10)	38510-068-92	
04				3(10)	38510-119-91	
M38510R757 8/						
01	S	C	A	3(9.25)	38510-049-91	National Semiconductor Corp.
02	B	D		3(10)	38510-005-91	
03	S	R	A	3(9.75)	38510-006-91	National Semiconductor Corp.
04	B	S		3(7.5)	38510-046-91	
05				3(10)	38510-007-91	
M38510/757						
01	S	2	A	3(9.25)	38510-049-91	National Semiconductor Corp.
02	B			3(10)	38510-005-91	
03				3(9.75)	38510-006-91	
04				3(7.5)	38510-046-91	
05				3(10)	38510-007-91	
11	S	R	A	3(10)	38510-098-92	National Semiconductor Corp.
	B	S				
		2				

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		PART I
M38510R758 8/						
02	S	E	A	3(7.5)	38510-008-91	National Semiconductor Corp.
03	B	F		3(9.0)	38510-128-91	
M38510/758						
02	S	E	A	3(7.5)	38510-008-91	National Semiconductor Corp.
03	B	F		3(9)	38510-128-91	
		2				
M38510/762						
01	S	E	A	2(3.5)	38510-067-91	National Semiconductor Corp.
02	B	F		2(3.25)	38510-066-91	
03		2		3(8)	38510-068-91	
M38510/763						
02	S	E	A	3(8.75)	38510-096-91	National Semiconductor Corp.
04	B	F		2(3)	38510-001-91	
05		2		3(8.5)	38510-067-92	
M38510/765						
06	S	R	A	3(9.75)	38510-080-91	National Semiconductor Corp.
	B	S				
		2				
5962-87525						
01	S	C	A	3(10)	38510-114-92	National Semiconductor Corp.
	B	D				
		2				
5962-87554						
01	S	E	A	3(10)	38510-009-93	National Semiconductor Corp.
	B	F				
		2				
5962R87663 8/						
01	S	R	A	3(9.75)	38510-122-92	National Semiconductor Corp.
	B	S				
5962-87663						
01	S	2	A	3(9.75)	38510-122-92	National Semiconductor Corp.
	B					
5962-87697						
01	S	R	A	3(4.75)	38510-006-93	National Semiconductor Corp.
	B	S				
		2				
5962R87699 8/						
01	S	C	A	2(2.5)	38510-063-92	National Semiconductor Corp.
	B	D				
5962-87699						
01	S	2	A	2(2.5)	38510-063-92	National Semiconductor Corp.
	B					
5962R87759						
01	S	R	A	3(10)	38510-058-92	National Semiconductor Corp.
	B	S				

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
5962-87759						
	01	S B	2	A	3(10)	38510-058-92 National Semiconductor Corp.
5962R87760						
	01	S B	R S	A	3(5.75)	38510-062-92 National Semiconductor Corp.
5962-87760						
	01	S B	2	A	3(5.75)	38510-062-92 National Semiconductor Corp.
5962-88756						
	01	S B	E F 2	A	3(8.5)	38510-005-93 National Semiconductor Corp.
5962-89601						
	01	S B	R S 2	A	3(4)	38510-061-92 National Semiconductor Corp.
5962-89950						
	01	S B	E F 2	A	3(5.25)	38510-015-93 National Semiconductor Corp.
5962-90590						
	01	S B	C D 2	A	3(9.75)	38510-22-93 National Semiconductor Corp.
5962-90808						
	01	B	P	A	3(4)	38510-077-92 Texas Instruments, Inc.
5962-90809						
	01	B	C	A	1(1)	38510-076-92 Texas Instruments, Inc.
5962-90881						
	02	B	P	A	1(0.5)	38510-004-93 Texas Instruments, Inc.
	03	B	C	A	1(0.5)	38510-084-92 Texas Instruments, Inc.
5962-90895						
	01	B	P	A	3(4)	38510-075-92 Texas Instruments, Inc.
	02				3(4)	38510-078-92
5962-90896						
	01	B	P	A	2(2)	38510-074-92 Texas Instruments, Inc.
5962-90916						
	01	S B	R S 2	A	3(10)	38150-101-91 National Semiconductor Corp.
5962R90985						
	01	S B	R S 2	A	3(10)	38150-028-92 National Semiconductor Corp.

PART II

THE PRODUCTS LISTED HEREIN HAVE NOT BEEN SUBJECTED TO ALL THE TESTS REQUIRED FOR PART I LISTING; HOWEVER, THE MANUFACTURERS HAVE PERFORMED SUFFICIENT TESTS TO INDICATE THAT THE PRODUCTS HAVE THE POTENTIAL OF MEETING THE PART I MIL-M-38510 REQUIREMENTS. (See notes on page 1.)

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/052						
03	B	C D	A	1(0)	38510-109-92	National Semiconductor Corp.
M38510/053						
03	B	C D	A	1(0)	38510-109-92	National Semiconductor Corp.
M38510/112						
02	S	G P	A	1(0)	38510-99-92	National Semiconductor
M38510/127						
14/ 03	B	V	A C	1(0)	38510-1827-86	Harris Semiconductor (2)
M38510H605 8/						
14	S	M 4	A	1(1)	38510-087-92	United Technologies Microelectronics Center
M38510H606 8/						
14	S	M N Y 4	A	1(1)	38510-087-92	United Technologies Microelectronics Center
M38510/606						
03	B	X	A C	1(0)	38510-040-88	United Technologies Microelectronics Center
04	B	X Y	A C	1(0)	38510-530-89	United Technologies Microelectronics Center
06	B	Y Z	A C	1(0)	38510-530-89	United Technologies Microelectronics Center
08	B	Z	A C	1(0)	38510-530-89	United Technologies Microelectronics Center
11	B	N	A C	1(0)	38510-530-89	United Technologies Microelectronics Center
11	B	N	C	1(1.5)	38510-003-93	Westinghouse Electric Corp.
M38510H607 8/						
14	S	M N T	A	1(1)	38510-087-92	United Technologies Microelectronics Center
M38510/607						
08 11	B	Z	A C	1(0) 1(0)	38510-530-89	United Technologies Microelectronics Center
M38510H608 8/						
14	S	M Y Z	A	1(1)	38510-087-92	United Technologies Microelectronics Center

PART IV

All products listed herein have been qualified under the requirements for the products as specified in the latest effective issue of MIL-M-38510 and the applicable detail military specification.

Device type	Device class	Case outline	Lead finish	ESDS Class (K Voltage Passed) 2/		
M38510/203						
01	B	E	A	1(1)	38510-112-92	Philips Semiconductors
02		F		1(1)		
03				1(1)		
04				1(1)		
M38510/204						
01	B	E	A	1(1)	38510-112-92	Philips Semiconductors
02		F		1(1)		
03				1(1)		
04				1(1)		
M38510/206						
02	B	V	A	1(0.5)	38510-112-92	Philips Semiconductors
04		Y		1(0.5)		
M38510/207						
01	B	E	A	1(1)	38510-112-92	Philips Semiconductors
02		F		1(1)		
03				1(1)		
04				1(1)		
M38510/208						
02	B	J	A	1(1)	38510-112-92	Philips Semiconductors
03		K		1(0.5)		
M38510/209						
02	B	Y	A	1(1)	38510-112-92	Philips Semiconductors
04	B	K	A	1(1)	38510-112-92	Philips Semiconductors
08	B	V	A	1(1)	38510-112-92	Philips Semiconductors
10		Y				
M38510/210						
02	B	K	A	1(1)	38510-112-92	Philips Semiconductors
		L				
04	B	J	A	1(1)	38510-112-92	Philips Semiconductors
		K				
		L				
M38510/306						
03	B	E	A	1(1)	38510-012-93	Texas Instruments, Inc.
M38510/502						
01	B	X	A	1(0.5)	38510-112-92	Philips Semiconductors
02				1(1)		

NOTES:

1/ Manufacturer has announced an end-of-life notice for this device type. They will accept orders subject to inventory availability.

2/ The device has met one of the voltage level requirements of paragraph 3.4.1.4 of MIL-M-38510 and Method 3015 of MIL-STD-883 and shall have the appropriate part mark. The QPL listing for parts shall indicate one of the following ESDS class designators and, in parentheses, the highest ESD voltage (in KV) sustained by the device. For example, 1(1.5) indicates a Class 1 device with 1500V capability, while 1(0) indicates a device declared as Class 1 without data or a device which has not yet been tested for ESDS. After 30 Sep 89, all device types for use in new system or equipment designs and system or equipment redesigns shall have completed classification testing and be marked in accordance with Test Method 3015 of MIL-STD-883.

ESDS Class Designator	Part Marking	Electrostatic Voltage
1	/\	0 - 1999V
2	/\ /\	2000V - 3999V
3	—	≥ 4000V

3/ This device will be supplied with a "Monolithic Memories, Inc." logo and designated symbol "CECD".

4/ As of 29 Nov 86, bottom brazed flat packages (i.e., F-2 configuration 2; F-4 configuration 2; F-5 configuration 2; F-6 configuration 2; F-9 configuration 2) with "Q" dimension less than .026 inch (0.66 mm) and "spider" packages (i.e., F-1; F-3, F-6 configurations 3 and 4; F-8, F-9 configuration 3) shall be prohibited for new design (see appendix C of MIL-M-38510 and the designated flat package outline configurations).

5/ Manufacturer no longer manufactures C lead finish JAN microcircuits. The C lead finish will remain on QPL-38510 until existing inventory is depleted.

6/ The qualification requirements have been removed from this specification due to an obsolete technology, lack of interest, etc. The devices covered by this specification are inactive for new design, but may be procured to the specification for logistics or replacement purposes. All quality assurance performance and other requirements are specified in the detail specification (see MIL-STD-1562 for guidance or new design).

8/ Total dose radiation testing shall be performed only when specifically required by the purchase order or contract and devices that meet the requirements may be marked as specified. RHA-devices indicated with an M, D, R or H may be supplied as a JAN non-rad-hard device and shall be designated with a "/" or "-" (reference MIL-M-38510, paragraph 3.6.2.2).

9/ Zilog has announced last time buys for all JAN products, orders must be placed prior to 30 June 93 with deliveries no later than 31 Dec 93.

14/ This device will be supplied with an "Intersil, Inc." marking until existing inventory is depleted, but date codes later than "8941" will be supplied with the "Harris Semiconductor" marking.

15/ This device will be supplied with an "RCA Corporation" marking until existing inventory is depleted, but date codes later than "8941" will be supplied with the "Harris Semiconductor" marking.

16/ This device will be supplied with an "Intersil, Inc." marking until existing inventory is depleted, but no date codes later than "8941" will be supplied with the "Intersil, Inc." marking.

17/ This device will be supplied with a "Fairchild Semiconductor" marking until existing inventory is depleted, but date codes later than "8939" will be supplied with the "National Semiconductor" marking.

20/ Harris Semiconductor has announced end of life in the flatpac non-rad. hard version only and will accept orders subject to inventory availability.

MANUFACTURER'S NAME, ADDRESS AND PLANT	SYMBOL AND CAGE CODE
Advanced Micro Devices, Inc. 901 Thompson Place Sunnyvale, CA 94086 Plant: Same Address	CDWN 34335
Analog Devices, Inc. Semiconductor Division 804 Woburn Street Wilmington, MA 01887 Plant: Same Address	CEKS 51640
Cypress Semiconductor 3901 North First Street San Jose, CA 95134 Plant: Same Address	CETK 65786
Harris Semiconductor P.O. Box 883 Melbourne, FL 32901 Plants: 1. Palm Bay Road Palm Bay, FL 32905 2. 3250 Scott Boulevard Santa Clara, CA 95051	CDWO 34371
Intel Corporation 5000 West Williams Field Road Chandler, AZ 85224 Plant: Same Address	CECC 34649
Lansdale Semiconductor, Inc. 2929 S. 48th Street, Suite #2 Tempe, AZ 85282 Plant: Same Address	
Linear Technology 1630 McCarthy Boulevard Milipitas, CA 95035-7487 Plant: Same Address	CENU 64155
Linfinity Microelectronics 11861 Western Avenue Garden Grove, CA 92641 Plant: Same Address	CESD 34333
Micron Semiconductor, Inc. 2805 East Columbia Road Boise, ID 83706 Plant: Same Address	CETJ 6Y440
Motorola, Inc. Semiconductor Products Sector 5005 East McDowell Road Phoenix, AZ 85008 Plant: 2100 Elliot Road Tempe, AZ	CGG 04713
National Semiconductor Corporation 2900 Semiconductor Drive Santa Clara, CA 95051 Plant: 333 Western Avenue South Portland, ME	CCXP 27014
Philips Semiconductors 811 E. Arque Avenue Sunnyvale, CA 94088-3409 Plant: 830 Stewart Drive Sunnyvale, CA 94088	CDKB 18324
Precision Monolithics, Inc. 1500 Space Park Drive Santa Clara, CA 95050 Plant: Same Address	CEGA 06665
Raytheon Company Semiconductor Division 350 Ellis Street Mountain View, CA 94040 Plant: 490 East Middlefield Road Mountain View, CA	CRP 07933
SEEQ Technology, Inc. 47131 Bayside Parkway Fremont, CA. 94538 Plant: Same Address	CEUC 61394
SGS-Thomson Microelectronics 1310 Electronics Drive Carrollton, TX 75006 Plant: Same Address	CEKJ 50088
Siliconix, Inc. 2201 Laurelwood Road Santa Clara, CA 95054 Plant: Same Address	CDBN 17856
Texas Instruments, Inc. P. O. Box 655012 Dallas, TX 75265 Plants: I-20 at FM 1788 Midland, TX	CGO 01295
United Technologies Microelectronics Center (UTMC) 1575 Garden of the Gods Road Colorado Springs, CO 80907 Plant: Same Address	CERY 65342
Unitrode Integrated Circuits Corp. 7 Continental Boulevard Merrimack, NH 03054 Plant: Same Address	CESF 48726
Zilog 2601 11th Avenue North Exit Nampa, ID 83651-6833 Plant: Same Address	CEKL 56708

SECTION III
(Manufacturer's Data Book/Catalog Parts)

Certain manufacturer's data book/catalog military temperature range devices may be available as QML product and marked with a "QML" or "Q" certification mark, provided they are produced on a certified QML flow. These devices must be released prior to 1 June 1993 and the part numbers must be submitted to the qualifying activity for approval.

Manufacturer	Contact Point	Phone Number
Motorola	Doug Max	(602) 897-3733
National Semiconductor	Susan Davis	(408) 721-3161
Texas Instruments	Steve Miller	(915) 561-6614
Harris	Peter Brooks	(407) 724-7783
Siliconix	Liz Korntved	(408) 970-5260
Analog devices	Jim Kaufman	(617) 937-2470
Linfinity	Tim Miller	(714) 898-8121
UTMC	Myles Standish	(719) 594-8000
Intel	Greg Mather	(602) 554-8450