

QUALIFICATIONS VALIDATED
ANNUALLY

CUSTOM HYBRID
MICROCIRCUITS
QML-38534-20
5 JAN 1995
SUPERSEDING
QML-38534-19
5 OCT 1994

QUALIFIED MANUFACTURERS LIST
OF
CUSTOM HYBRID MICROCIRCUITS
QUALIFIED UNDER MILITARY SPECIFICATION
MIL-H-38534
CUSTOM HYBRID MICROCIRCUITS
GENERAL REQUIREMENTS FOR

5962

This list has been prepared for use by or for the Government in the acquisition of products covered by Specification MIL-H-38534. Listing of a product is not intended to and does not connote endorsement 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 the compliance with the individual item specification requirements.

THE ACTIVITY RESPONSIBLE FOR THIS QML IS THE DEFENSE ELECTRONICS SUPPLY CENTER (DESC-EL). The activity designated as agent for all contacts relative to this QML is the Defense Electronics Supply Center (DESC-ELS), Dayton, Ohio 45444-5764.

If a manufacturer desires to have test data considered for qualification, he must perform all required qualification tests; the qualification sample must be produced under a valid authorization to test with DESC certified materials and manufacturing construction techniques; and he must comply with the requirements specified in MIL-H-38534 prior to the start of any testing.

The listing of custom hybrid microcircuit materials and manufacturing construction techniques in QML-38534 applies only to products produced on the MIL-H-38534 certified line(s) at the plant(s) specified on the QML.

Only those products that have been manufactured, assembled, and tested within the United States and its territories, except as provided by international agreement establishing reciprocal and equivalent quality systems and procedures, can be supplied as qualified custom hybrid QML devices.

Custom hybrid microcircuits manufactured, assembled, and tested in accordance with MIL-H-38534 shall bear the "QML" certification mark for SMD controlled hybrid microcircuits and the "CH" (compliant hybrid) certification mark for non-SMD controlled hybrid microcircuits. The certification mark shall be located preceding the date code. The certification mark abbreviation "Q" or "C" may be used for small devices. Products manufactured, assembled, and tested for Class K or Class H, with all the provisions of MIL-H-38534, MIL-STD-1772, and with DESC certified materials and manufacturing construction techniques, can be represented as being compliant to the appropriate product assurance levels as listed herein. The information contained in this QML reflects the material and manufacturing techniques of the particular test sample(s). Any product represented as being compliant shall be comprised combinatorially of a manufacturer's listing from the materials 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-ELS. Testing is not limited to those materials and manufacturing construction techniques currently listed herein. However, testing must be completed and approved before the product can be shipped or used in the intended application.

To obtain MIL-H-38534 qualified custom hybrid microcircuits, the procurement document must specify that the product be manufactured to MIL-H-38534, and be comprised of materials and manufacturing construction techniques listed herein. Ordering data is contained in paragraph 6.1 of MIL-H-38534. All procurement documents shall meet the requirements of MIL-H-38534, Appendix C (see cautionary note herein).

1 of 113

CUSTOM HYBRID MICROCIRCUITS

AMSC N/A

QML-38534-20

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

Caution: Hybrid microcircuit devices that are built tested and shipped under the QML provision (using certified/qualified manufacturing materials and construction techniques) and in full compliance with MIL-H-38534 and MIL-STD-1772 can be determined by this QML.

Contractor acquiring activities, military program offices, and other government representatives can determine if hybrid microcircuits meet the requirements of MIL-H-38534 and MIL-STD-1772 by:

- a. Product listed in the product eligibility section herein, and
- b. Product marked with "QML" certification for SMD controlled hybrid microcircuits and the "CH" (compliant hybrid) certification mark for non-SMD controlled hybrid microcircuits. The certification mark shall precede the date code. The certification mark abbreviation "Q" or "C" may be used for small devices.

Products that do not meet the above conditions are not manufactured on MIL-STD-1772 certified/qualified line and are not in full compliance with MIL-H-38534 and MIL-STD-1772 requirements. Hybrid microcircuits that require MIL-H-38534 and MIL-STD-1772 and are not listed herein should be carefully reviewed and verified for contract compliance by the acquisition activity. To determine whether new products are in accordance with MIL-H-38534 and MIL-STD-1772 you may call the agent for the qualifying activity (DESC-ELS).

NOTES:

- 1/ The QML listing can be expanded provided appropriate qualification testing is performed and passed. Therefore the manufacturer may accept an order for complaint product not covered by his QML listing, but shall not ship the compliant product until the testing has been successfully completed.
- 2/ Package seal perimeter is listed by largest perimeter successfully tested in inches.
- 3/ Package lead counts are listed by maximum number of leads covered by qualification.
- 4/ Caution. Do not use this number for item acquisition. Item acquired to this number may not satisfy the performance requirements of the listed SMD.
- 5/ Inactive for new design, no longer available from manufacturer.

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES			
Aeroflex Circuit Technology Corp. 35 South Service Road Plainview, NY 11803	88379	CFAS	N/A	H	Linear Analog Digital Power			
QUALIFICATION LETTER(S)								
EQ(EQC-90-616) EQ(EQC-93-019) ELS(ELSH-95-0042) EQ(EQC-91-896) EQ(EQC-94-032) EQ(EQC-92-001) ELS(ELSH-94-0342)								
SUBSTRATE FABRICATION OPERATION(S) 1/								
LOCATION: Plainview, NY FLOW: QAP21-241 CAPABILITY: Thick film on alumina, 6 conductor levels, resistors								
LOCATION: Plainview, NY FLOW: QAP21-225 CAPABILITY: Thick film on beryllia, 2 conductor levels, resistors								
ASSEMBLY OPERATION(S) 1/								
LOCATION: Plainview, NY FLOW: QAP21-241 CAPABILITY: Polymer conductive/nonconductive epoxy and eutectic; gold wire bonding								
LOCATION: Plainview, NY FLOW: QAP21-337 CAPABILITY: Polymer conductive/nonconductive epoxy, solder, and eutectic; gold and aluminum wire bonding								
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, tabs, chip resistors SUBSTRATE ATTACH: Solder, polymer nonconductive epoxy								
PACKAGE INFORMATION 1/ 2/ 3/								
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 90 SEAL PERIMETER: 7.94 LEAD FINISH: gold			PACKAGE TYPE: ceramic, dual-in-line SEAL METHOD: seam weld LEAD COUNT: 24 SEAL PERIMETER: 3.72 LEAD FINISH: gold					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 88 SEAL PERIMETER: 7.01 LEAD FINISH: gold & solder			PACKAGE TYPE: TO can SEAL METHOD: projection weld LEAD COUNT: 2 SEAL PERIMETER: 2.60 LEAD FINISH: gold					
PACKAGE TYPE: platform SEAL METHOD: projection weld LEAD COUNT: 24 SEAL PERIMETER: 3.93 LEAD FINISH: gold			PACKAGE TYPE: ceramic cofire, with axial leads SEAL METHOD: seam weld LEAD COUNT: 90 SEAL PERIMETER: 7.66 LEAD FINISH: gold					
See Tables I and II for Standard Military Drawing (SMD) Information								
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 25								

-3-
HYBRID MICROCIRCUITS
QML-38534-20

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Analog Devices Incorporated Assembled Products Division 7910 Triad Center Drive Greensboro, NC 27409-9605	34031	CETW	N/A	H	AD/DA Converters Buffer Op-Amp Track and Hold Voltage Reference Signal Processor
QUALIFICATION LETTER(S)					
EQ(EQC-92-025) EQ(EQC-92-119) EQ(EQC-92-476)	EQ(EQC-93-047) EQ(EQC-93-115) EQ(EQC-93-116)	EQ(EQC-93-450) EQ(EQC-93-633) EQ(EQC-93-678)	ELS(ELSH-94-172) ELS(ELSH-94-222)		
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Greensboro, NC FLOW: QAP 3060 CAPABILITY: Thick film on alumina, 4 conductor levels, resistors					
LOCATION: Greensboro, NC FLOW: QAP 3060 CAPABILITY: Thin film on alumina, 1 conductor level, resistors					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Greensboro, NC FLOW: QAP 3060 CAPABILITY: Polymer conductive/nonconductive epoxy; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy **Maximum constant acceleration level qualified 7500g, A7910 package only.					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: TO can SEAL METHOD: projection weld LEAD COUNT: 12 SEAL PERIMETER: 1.91 LEAD FINISH: gold & solder			PACKAGE TYPE: metal, with axial leads ** SEAL METHOD: seam weld LEAD COUNT: 46 SEAL PERIMETER: 7.94 LEAD FINISH: gold & solder		
PACKAGE TYPE: ceramic dual-in-line & quad flat pack SEAL METHOD: seam weld LEAD COUNT: 88 SEAL PERIMETER: 7.31 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 27					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Apex Microtechnology Corporation 5980 North Shannon Road Tucson, AZ 85741	60024	CFAB	N/A	H	Power Op-Amp
QUALIFICATION LETTER(S)					
EQ(EQC-91-347) EQ(EQC-93-028) EQ(EQC-92-410) EQ(EQC-93-595) EQ(EQC-92-416) ELS(ELSH-94-0354)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Tucson, AZ FLOW: Flow 01 CAPABILITY: Thick film on beryllium oxide, 1 conductor level, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Tucson, AZ FLOW: Flow 10, Flow 99 CAPABILITY: Polymer conductive epoxy and solder; aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors SUBSTRATE ATTACH: Solder					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: TO can SEAL METHOD: projection weld LEAD COUNT: 8 SEAL PERIMETER: 2.67 LEAD FINISH: gold & solder			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SIO DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 132					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Beckman Industrial Corporation Electronic Technologies Division 4141 Palm Street Fullerton, CA 92635	73138	CEXB	N/A	H	Voltage Regulator Data Converters Analog
QUALIFICATION LETTER(S)					
EQ(EQC-89-071) EQ(EQC-92-383) EQ(EQC-91-718) EQ(EQC-92-382)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Fullerton, CA FLOW: 800-403-2 CAPABILITY: Thick film on alumina, 3 conductor levels, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Fullerton, CA FLOW: 800-403-03 CAPABILITY: Polymer conductive/nonconductive epoxy and eutectic; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, tabs, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 61 SEAL PERIMETER: 5.86 LEAD FINISH: gold			PACKAGE TYPE: ceramic, dual-in-line SEAL METHOD: seam weld LEAD COUNT: 44 SEAL PERIMETER: 6.87 LEAD FINISH: gold		
PACKAGE TYPE: ceramic co-fire, dual-in-line SEAL METHOD: seam weld LEAD COUNT: 10 SEAL PERIMETER: 1.04 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 2					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Boeing Electronics Company 20403 Sixty-Eighth Avenue South Kent, WA 98124	81205	CEUW	N/A	H	Custom
QUALIFICATION LETTER(S)					
EQ(EQM-87-2947) EQ(EQC-91-228) EQ(EQC-91-624) EQ(EQC-91-046) EQ(EQC-91-630) EQ(EQC-91-438) EQ(EQC-92-079) EQ(EQC-91-672)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Kent, WA FLOW: D900-10476-1-2 CAPABILITY: Thick film on alumina, 10 conductor levels, resistors; Thick film on beryllia, 5 conductor levels					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Kent, WA FLOW: D900-10476-1-2 CAPABILITY: Polymer conductive/nonconductive epoxy and eutectic; gold and ribbon bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, tabs SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/</u> <u>2/</u> <u>3/</u>					
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 30 SEAL PERIMETER: 5.86 LEAD FINISH: gold			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 94 SEAL PERIMETER: 9.16 LEAD FINISH: gold		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 5					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
C-MAC Microcircuits Limited South Danes Great Yarmouth Norfolk NR30 3PX England	U4388	N/A	N/A	H	1553 Transceiver
QUALIFICATION LETTER(S)					
EQ(EQC-91-835) EQ(EQC-92-084) EQ(EQC-93-139)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Great Yarmouth, England FLOW: FCES 6301:15 CAPABILITY: Thick film on alumina, 2 conductor levels					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Great Yarmouth, England FLOW: FCES 6301:15 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/</u> <u>2/</u> <u>3/</u>					
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 36 SEAL PERIMETER: 5.30 LEAD FINISH: gold & solder			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 36 SEAL PERIMETER: 5.30 LEAD FINISH: gold & solder		
PACKAGE TYPE: metal, with axial leads SEAL METHOD: projection weld LEAD COUNT: 24 SEAL PERIMETER: 4.37 LEAD FINISH: gold & solder			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 20					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
CTS Microelectronics 1201 Cumberland Avenue West Lafayette, IN 47906	23223	CEUR	N/A	H	Analog Converter
QUALIFICATION LETTER(S)					
EQ(EQC-92-787) EQ(EQC-93-015) ELS(ELSH-94-0054)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: West Lafayette, IN FLOW: STD-THINFLM-BD1 CAPABILITY: Thin film on alumina, 1 conductor level, resistors					
LOCATION: West Lafayette, IN FLOW: STD-RC-HIREL CAPABILITY: Thick film on alumina, 1 conductor level, resistors					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: West Lafayette, IN FLOW: STD-C&W-1772 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer conductive/nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: TO can SEAL METHOD: projection weld LEAD COUNT: 12 SEAL PERIMETER: 2.75 LEAD FINISH: gold & solder			PACKAGE TYPE: platform SEAL METHOD: projection weld LEAD COUNT: 4 SEAL PERIMETER: 2.35 LEAD FINISH: gold		
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 30 SEAL PERIMETER: 4.40 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 7					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Canadian Marconi Company 2442 Trenton Avenue Montreal, Quebec Canada H3P 1Y9	90073	CDDF	N/A	H	Voltage Regulator
QUALIFICATION LETTER(S)					
EQ(EQC-91-720) EQ(EQC-92-427)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Montreal, Canada FLOW: 411-146425-000 CAPABILITY: Thick film on alumina, 1 conductor level, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Montreal, Canada FLOW: 411-146425-000 CAPABILITY: Polymer conductive/nonconductive epoxy and eutectic; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 16 SEAL PERIMETER: 3.61 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Cincinnati Electronics Corporation 7500 Innovation Way Mason, OH 45040-9699	80045	(TBD)	N/A	H	Custom Analog Amplifier Linear
QUALIFICATION LETTER(S)					
EQ(EQC-93-113) EQC-93-197 ELS(ELSH-94-417)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Mason, OH FLOW: 637140 CAPABILITY: Thick film on alumina, 2 conductor levels					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Mason, OH FLOW: 637143 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 18 SEAL PERIMETER: 3.48 LEAD FINISH: gold			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 20 SEAL PERIMETER: 3.58 LEAD FINISH: gold		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Comlinear Corporation 4800 Wheaton Drive Fort Collins, CO 80525	62839	CEYA	N/A	H	Data Converters Op-Amp
QUALIFICATION LETTER(S)					
EQ(EQC-89-224) EQ(EQC-91-704) EQ(EQC-90-392) EQ(EQC-91-746) EQ(EQC-90-393)					
SUBSTRATE FABRICATION OPERATION(S) <u>1</u> /					
LOCATION: Fort Collins, CO FLOW: TFS-01-001 CAPABILITY: Thick film on alumina, 1 conductor level, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1</u> /					
LOCATION: Fort Collins, CO FLOW: PDS-01-001 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1</u> / <u>2</u> / <u>3</u> /					
PACKAGE TYPE: TO can SEAL METHOD: projection weld LEAD COUNT: 12 SEAL PERIMETER: 1.81 LEAD FINISH: gold & solder			PACKAGE TYPE: ceramic, dual-in-line SEAL METHOD: seam weld LEAD COUNT: 40 SEAL PERIMETER: 6.22 LEAD FINISH: gold & solder		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 2					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
DDC Ireland LTD. Cork Business and Technology Park Model Farm Road Cork, Ireland	S7631	(TBD)	N/A	H	1553 Bus Data Converters
QUALIFICATION LETTER(S)					
EQ(EQM-94-0109) ELS(ELSH-95-0019) ELS(ELSH-94-0163) ELS(ELSH-94-0464)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Bohemia, NY FLOW: 41637 CAPABILITY: Thick film on alumina, 5 conductor levels, resistors					
LOCATION: Bohemia, NY FLOW: 41638 CAPABILITY: Thin film on alumina, 1 conductor level, resistors					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Cork, Ireland FLOW: 60005 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, daughter board SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: ceramic, with axial leads SEAL METHOD: seam weld LEAD COUNT: 78 SEAL PERIMETER: 7.34 LEAD FINISH: gold & solder			PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 36 SEAL PERIMETER: 5.34 LEAD FINISH: gold & solder		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Datel Incorporated 11 Cabot Boulevard Mansfield, MA 02048-1194	50721	CFAT	N/A	H	Digital
QUALIFICATION LETTER(S)					
EQ(EQC-90-626) EQ(EQC-92-446) EQ(EQC-90-677) EQ(EQC-91-029)					
SUBSTRATE FABRICATION OPERATION(S) 1/					
LOCATION: Mansfield, MA FLOW: D-4552 CAPABILITY: Thick film on alumina, 2 conductor levels					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) 1/					
LOCATION: Mansfield, MA FLOW: D-4552 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION 1/ 2/ 3/					
PACKAGE TYPE: ceramic, dual-in-line SEAL METHOD: seam weld LEAD COUNT: 62 SEAL PERIMETER: 7.24 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 17					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
EMS Technologies Incorporated P.O. Box 7700 Norcross, GA 30091-7700	31395	(TBD)	N/A	H	Analog
QUALIFICATION LETTER(S)					
ELS(ELSH-94-190)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: N/A FLOW: N/A CAPABILITY: Purchased thin film					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Norcross, GA FLOW: 171773 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 34 SEAL PERIMETER: 4.00 LEAD FINISH: gold & solder			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 1					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Elantec Incorporated 1996 Tarob Court Milpitas, CA 95035	64762	CEWD	N/A	H	Analog Converter Power Converter
QUALIFICATION LETTER(S)					
EQ(EQC-88-1646) EQ(EQC-90-0804)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Milpitas, CA FLOW: FCA-0002 CAPABILITY: Thick film on alumina, 1 conductor level, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Milpitas, CA FLOW: FCA-0004, FCA-0008, FCA-0015 CAPABILITY: Eutectic; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die SUBSTRATE ATTACH: Solder, polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: TO can SEAL METHOD: projection weld LEAD COUNT: 12 SEAL PERIMETER: 2.31 LEAD FINISH: gold & solder			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 1					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
General Microcircuits Corporation 780 Boston Road Billerica, MA 08121	67294	CEYC	N/A	H	Custom
QUALIFICATION LETTER(S)					
EQ(EQC-89-235) EQ(EQC-93-587)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Billerica, MA FLOW: 10000 CAPABILITY: Thin film on alumina, 1 conductor level, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Billerica, MA FLOW: 10000 CAPABILITY: Polymer conductive epoxy and solder; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Solder, polymer conductive/nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 22 SEAL PERIMETER: 2.45 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Hewlett-Packard Company Optical Communications Division 370 West Trimble Road San Jose, CA 95131	50434	CEUS	N/A	H	Optocoupler
QUALIFICATION LETTER(S)					
EQ(EQM-87-2594) EQ(EQC-93-271) EQ(EQM-88-1265) EQ(EQC-93-591) EQ(EQC-90-0754)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: San Jose, CA FLOW: 5956-9439-20, 5956-8000-20, 5956-9523-30, 5956-9526-30 CAPABILITY: Light emitting diode fabrication, integrated circuit fabrication					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: San Jose, CA FLOW: 1CP1-0016-3, 1SS1-0008-3 CAPABILITY: Eutectic and silver glass; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die SUBSTRATE ATTACH: Eutectic, solder, silver glass					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: ceramic, dual-in-line SEAL METHOD: solder LEAD COUNT: 16 SEAL PERIMETER: 1.28 LEAD FINISH: gold & solder			PACKAGE TYPE: leadless chip carrier SEAL METHOD: solder LEAD COUNT: 20 SEAL PERIMETER: 0.92 LEAD FINISH: solder		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 31					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Honeywell Incorporated Sperry Central Manufacturing 21111 North Nineteenth Avenue Phoenix, AZ 85036	58960	CEUT	N/A	H	Analog Digital Drive Controller
QUALIFICATION LETTER(S)					
EQ(EQM-87-1933) EQ(EQC-90-0768)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Phoenix, AZ FLOW: 51549 CAPABILITY: Thick film on alumina, 2 conductor levels, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Phoenix, AZ FLOW: 51550 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die SUBSTRATE ATTACH: Eutectic					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 36 SEAL PERIMETER: 3.50 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 1					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Hughes Aircraft Company Microelectronics Division 500 Superior Avenue Newport Beach, CA 92658-8903	55267	CEYN	N/A	H	Analog Digital
QUALIFICATION LETTER(S)					
ELS(ELSH-94-298) ELS(ELSH-94-299)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Newport Beach, CA FLOW: 1051089 CAPABILITY: Thin film on alumina, 1 conductor level, resistors					
LOCATION: Newport Beach, CA FLOW: 1051091 CAPABILITY: Thick film on alumina, 1 conductor level, resistors					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Newport Beach, CA FLOW: 1050994 CAPABILITY: Polymer conductive epoxy; gold wire bonding					
LOCATION: Newport Beach, CA FLOW: 1051693 CAPABILITY: Polymer conductive epoxy and eutectic; gold wire bonding					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, tabs SUBSTRATE ATTACH: Solder, polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 34 SEAL PERIMETER: 3.06 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

-20-
HYBRID MICROCIRCUITS
QML-38534-20

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Hycomp Incorporated 165 Cedar Hill Street Marlborough, MA 01752	34707	CEYP	N/A	H	Analog Voltage Reference
QUALIFICATION LETTER(S)					
EQ(EQC-89-421) ELS(ELSH-94-0254) ELS(ELSH-94-0252) ELS(ELSH-94-0253)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Marlborough, MA FLOW: EMA-75 CAPABILITY: Thin film on alumina, 1 conductor level; Thin film on alumina, 1 conductor level, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Marlborough, MA FLOW: EMA-75 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: ceramic, single-in-line SEAL METHOD: seam weld LEAD COUNT: 10 SEAL PERIMETER: 2.90 LEAD FINISH: gold			PACKAGE TYPE: ceramic, dual-in-line SEAL METHOD: seam weld LEAD COUNT: 14 SEAL PERIMETER: 2.57 LEAD FINISH: gold		
PACKAGE TYPE: leadless chip carrier SEAL METHOD: seam weld LEAD COUNT: 28 SEAL PERIMETER: 1.62 LEAD FINISH: solder			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 22					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Hytek Microsystems Incorporated 400 Hot Springs Road Carson City, NV 89706	0ANM4	CEYO	N/A	H	Active Delay Line
QUALIFICATION LETTER(S)					
EQ(EQC-91-859) EQ(EQM-94-0023)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Carson City, NV FLOW: RN1005-002 CAPABILITY: Thick film on alumina, 2 conductor levels, resistors; Thick film on beryllia, 1 conductor level					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Carson City, NV FLOW: RN1005-002 CAPABILITY: Polymer conductive/nonconductive epoxy and solder; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, inductors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: platform SEAL METHOD: projection weld LEAD COUNT: 16 SEAL PERIMETER: 2.94 LEAD FINISH: gold & solder			PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 30 SEAL PERIMETER: 2.94 LEAD FINISH: gold		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 75					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
ILC Data Device Corporation Manufacturing 105 Wilbur Place Bohemia, NY 11716	19645	CEPB	N/A	H	1553 Bus Data Converters
QUALIFICATION LETTER(S)					
EQ(EQC-90-220)	EQ(EQC-91-308)	EQ(EQC-93-055)	ELS(ELSH-94-0327)		
EQ(EQC-91-104)	EQ(EQC-91-386)	EQ(EQC-93-199)	ELS(ELSH-94-0392)		
EQ(EQC-91-306)	EQ(EQC-91-667)	EQ(EQC-93-599)	ELS(ELSH-94-0399)		
SUBSTRATE FABRICATION OPERATION(S) 1/					
LOCATION: Bohemia, NY FLOW: 41637 CAPABILITY: Thick film on alumina, 5 conductor levels, resistors					
LOCATION: Bohemia, NY FLOW: 41638 CAPABILITY: Thin film on alumina, 1 conductor level, resistors					
ASSEMBLY OPERATION(S) 1/					
LOCATION: Bohemia, NY FLOW: 36070, 36071 CAPABILITY: Polymer conductive/nonconductive epoxy and solder; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, tabs, transformers SUBSTRATE ATTACH: Solder, polymer nonconductive epoxy					
PACKAGE INFORMATION 1/ 2/ 3/					
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 94 SEAL PERIMETER: 10.26 LEAD FINISH: gold			PACKAGE TYPE: platform SEAL METHOD: projection weld LEAD COUNT: 32 SEAL PERIMETER: 5.38 LEAD FINISH: gold		
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 82 SEAL PERIMETER: 7.58 LEAD FINISH: gold			PACKAGE TYPE: ceramic, with axial & peripheral leads SEAL METHOD: seam weld LEAD COUNT: 78 SEAL PERIMETER: 7.34 LEAD FINISH: gold		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 44					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES			
ILC Data Device Corporation Engineering 105 Wilbur Place Bohemia, NY 11716	19645	CEPB	N/A	H	Power Data Converters			
QUALIFICATION LETTER(S)								
EQ(EQC-90-657) EQ(EQC-91-606) EQ(EQC-93-625)								
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>								
LOCATION: Bohemia, NY FLOW: 41639 CAPABILITY: Thick film on alumina, 3 conductor levels, resistors; Thick film on beryllia, 1 conductor level, resistors								
LOCATION: Bohemia, NY FLOW: 41638 CAPABILITY: Thin film on alumina, 1 conductor level, resistors								
ASSEMBLY OPERATION(S) <u>1/</u>								
LOCATION: Bohemia, NY FLOW: 41634 CAPABILITY: Polymer conductive epoxy; gold wire bonding								
LOCATION: Bohemia, NY FLOW: 45552 CAPABILITY: Polymer conductive/nonconductive epoxy and solder; gold, aluminum and copper/tin (solder) wire bonding								
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, tabs, chip resistors, transformers SUBSTRATE ATTACH: Solder, polymer conductive/nonconductive epoxy								
PACKAGE INFORMATION <u>1/</u> <u>2/</u> <u>3/</u>								
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 24 SEAL PERIMETER: 4.10 LEAD FINISH: gold			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 16 SEAL PERIMETER: 8.80 LEAD FINISH: gold					
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:					
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:					
See Tables I and II for Standard Military Drawing (SMD) Information								
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 44								

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
ITT Avionics Division 100 Kingsland Road Clifton, NJ 07014	28527	CEWQ	N/A	H	Memory Custom
QUALIFICATION LETTER(S)					
EQ(EQM-88-1955) EQ(EQC-91-556) EQ(EQC-91-367) EQ(EQC-91-875) EQ(EQC-91-543) EQ(EQC-91-812)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Clifton, NJ FLOW: TFH-102 CAPABILITY: Thick film on alumina, 8 conductor levels, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Clifton, NJ FLOW: TFH-103 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, tabs, chip resistors, ceramic posts SUBSTRATE ATTACH: Polymer conductive/nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 78 SEAL PERIMETER: 7.94 LEAD FINISH: gold			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 94 SEAL PERIMETER: 9.16 LEAD FINISH: gold		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES	
Interpoint Corporation 10301 Willows Road Redmond, WA 98073	50821	CEUU	N/A	H	Linear Amplifier Signal Processor Data Converters DC/DC Converters	Analog Digital EMI Filters
QUALIFICATION LETTER(S)						
EQ(EQM-87-2838) EQ(EQM-89-0439) EQ(EQC-92-174)	EQ(EQC-92-300) EQ(EQC-93-056) EQ(EQC-93-031)	EQ(EQC-93-196) EQ(EQC-93-221) EQ(EQC-93-280)	EQ(EQC-93-550) EQC-93-684 EQ(EQM-94-043)	EQ(EQM-94-0111) ELS(ELSH-94-0297) ELS(ELSH-94-0336)	ELS(ELSH-94-0364) ELS(ELSH-95-0036)	
SUBSTRATE FABRICATION OPERATION(S) 1/						
LOCATION: Redmond, WA FLOW: QA-039 CAPABILITY: Thick film on alumina, 3 conductor levels, resistors; Thick film on beryllia, 3 conductor levels, resistors; Thick film on beryllia, 1 conductor level						
LOCATION: N/A FLOW: N/A CAPABILITY: N/A						
ASSEMBLY OPERATION(S) 1/						
LOCATION: Redmond, WA FLOW: QA-039 CAPABILITY: Polymer conductive/nonconductive epoxy and solder; gold, aluminum and copper (solder) wire bonding						
LOCATION: N/A FLOW: N/A CAPABILITY: N/A						
ADD-ON ELEMENTS: Unpackaged die, chip/tantalum capacitors, tabs, chip resistors, *inductors, *toroids SUBSTRATE ATTACH: Solder, polymer nonconductive epoxy *Maximum constant acceleration level qualified 7500g, inductors and toroids						
PACKAGE INFORMATION 1/ 2/ 3/						
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 38 SEAL PERIMETER: 6.00 LEAD FINISH: gold & solder			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 32 SEAL PERIMETER: 4.00 LEAD FINISH: gold & solder			
PACKAGE TYPE: metal, with axial leads SEAL METHOD: projection weld LEAD COUNT: 8 SEAL PERIMETER: 4.26 LEAD FINISH: gold & solder			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 12 SEAL PERIMETER: 8.00 LEAD FINISH: gold & solder			
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			
See Tables I and II for Standard Military Drawing (SMD) Information						
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 2						

-26-
HYBRID MICROCIRCUITS
QML-38534-20

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES					
Lambda Advanced Analog, Inc. 2270 Martin Avenue Santa Clara, CA 95050-2781	52467	CEXA	N/A	H	AD/DA Converters Sample and Hold Amplifier DC/DC Converters					
QUALIFICATION LETTER(S)										
EQ(EQC-89-065) EQ(EQC-93-204) EQ(EQC-93-658) ELS(ELSH-94-0212) ELS(ELSH-94-0483) EQ(EQC-90-652) EQ(EQC-93-403) ELS(ELSH-94-0173) ELS(ELSH-94-0272) EQ(EQC-92-103) EQ(EQC-93-553) ELS(ELSH-94-0211) ELS(ELSH-94-0482)										
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>										
LOCATION: Santa Clara, CA FLOW: 8002-0044 CAPABILITY: Thick film on alumina, 2 conductor levels, resistors										
LOCATION: Santa Clara, CA FLOW: 8002-0074 CAPABILITY: Thick film on alumina, 4 conductor levels, resistors; Thick film on beryllia, 4 conductor levels, resistors										
ASSEMBLY OPERATION(S) <u>1/</u>										
LOCATION: Santa Clara, CA FLOW: 8002-0044 CAPABILITY: Polymer conductive epoxy and solder; gold wire bonding										
LOCATION: Santa Clara, CA FLOW: 8002-0074 CAPABILITY: Polymer conductive/nonconductive epoxy and solder; gold, aluminum and copper (solder) wire bonding										
ADD-ON ELEMENTS: Unpackaged die, chip/tantalum capacitors, tabs, chip resistors, transformer SUBSTRATE ATTACH: Polymer conductive/nonconductive epoxy										
PACKAGE INFORMATION <u>1/ 2/ 3/</u>										
PACKAGE TYPE: ceramic, dual-in-line SEAL METHOD: seam weld LEAD COUNT: 24 SEAL PERIMETER: 3.69 LEAD FINISH: gold & solder			PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 10 SEAL PERIMETER: 6.58 LEAD FINISH: gold & solder							
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 58 SEAL PERIMETER: 10.10 LEAD FINISH: gold & solder			PACKAGE TYPE: TO can SEAL METHOD: projection weld LEAD COUNT: 7 SEAL PERIMETER: 1.64 LEAD FINISH: gold & solder							
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:							
See Tables I and II for Standard Military Drawing (SMD) Information										
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0										

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Lockheed Sanders, Incorporated Microwave Technology Center 65 Spit Brook Pike Nashua, NH 03061-2041	94117	(TBD)	N/A	H	Voltage Regulator IFM Decoder Attenuators
QUALIFICATION LETTER(S)					
EQ(EQC-92-467)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Nashua, NH FLOW: MEC-01-7-017 CAPABILITY: Thick film on alumina, 4 conductor levels, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Nashua, NH FLOW: MEC-01-7-017 CAPABILITY: Polymer conductive/nonconductive epoxy; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip/tantalum capacitors, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 88 SEAL PERIMETER: 7.20 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES			
M.S. Kennedy Corporation 8170 Thompson Road Cicero, NY 13039-9393	51651	CFAA	N/A	H	High Power DC Amplifier			
QUALIFICATION LETTER(S)								
EQ(EQC-90-451) EQ(EQC-90-507) EQ(EQC-92-417)	EQ(EQC-93-141) EQ(EQC-93-242) EQ(EQC-93-346)	EQ(EQC-93-488) EQ(EQC-93-554) EQ(EQC-93-682)	EQ(EQC-93-687) EQ(EQM-94-084) EQ(EQM-94-093)	ELS(ELSH-94-0400) ELS(ELSH-94-0401) ELS(ELSH-94-0402)	ELS(ELSH-94-0470) ELS(ELSH-95-0020)			
SUBSTRATE FABRICATION OPERATION(S) 1/								
LOCATION: Cicero, NY FLOW: 2422-1563 CAPABILITY: Thick film on alumina, 2 conductor levels, resistors; Thick film on alumina, 4 conductor levels								
LOCATION: Cicero, NY FLOW: 2422-1563 CAPABILITY: Thick film on beryllia, 2 conductor levels, resistors; Thick film on beryllia, 1 conductor level								
ASSEMBLY OPERATION(S) 1/								
LOCATION: Cicero, NY FLOW: 2422-1518 CAPABILITY: Polymer conductive/nonconductive epoxy and eutectic; gold and aluminum wire bonding								
LOCATION: N/A FLOW: N/A CAPABILITY: N/A								
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors, inductors SUBSTRATE ATTACH: Solder, polymer conductive/nonconductive epoxy **Maximum constant acceleration level qualified 7500g								
PACKAGE INFORMATION 1/ 2/ 3/								
PACKAGE TYPE: TO can SEAL METHOD: projection weld LEAD COUNT: 12 SEAL PERIMETER: 3.14 LEAD FINISH: gold			PACKAGE TYPE: platform SEAL METHOD: projection weld LEAD COUNT: 14 SEAL PERIMETER: 2.60 LEAD FINISH: gold					
PACKAGE TYPE: metal, with axial leads ** SEAL METHOD: seam weld LEAD COUNT: 44 SEAL PERIMETER: 5.00 LEAD FINISH: gold			PACKAGE TYPE: metal, with peripheral leads ** SEAL METHOD: seam weld LEAD COUNT: 38 SEAL PERIMETER: 6.95 LEAD FINISH: gold					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 12 SEAL PERIMETER: 6.0 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:					
See Tables I and II for Standard Military Drawing (SMD) Information								
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0								

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Magnavox Electronic Systems Company 1313 Production Road Fort Wayne, IN 46808-1187	37695	(TBD)	N/A	H	Accelerometer Linear Digital
QUALIFICATION LETTER(S)					
ELS(ELSH-94-0435)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: N/A FLOW: N/A CAPABILITY: Purchased thin film					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Fort Wayne, IN FLOW: GMFC-1 CAPABILITY: Polymer nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, accelerometer sense element substrate SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: LCC, with brazed leads SEAL METHOD: solder LEAD COUNT: 20 SEAL PERIMETER: 1.04 LEAD FINISH: gold & solder			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 2					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Martin Marietta Building E-8 12506 Lake Underhill Drive Orlando, FL 32862-8007	04939	(TBD)	N/A	H	Analog
QUALIFICATION LETTER(S)					
EQ(EQC-91-402) EQ(EQC-92-312) EQ(EQC-91-764) EQ(EQC-92-412) EQ(EQC-92-112)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Orlando, FL FLOW: 72301772 CAPABILITY: Thick film on alumina, 6 conductor levels, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Orlando, FL FLOW: 72301772 CAPABILITY: Polymer conductive/nonconductive epoxy; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip/tantalum capacitors, chip resistors, inductors SUBSTRATE ATTACH: Polymer nonconductive epoxy **Maximum constant acceleration level qualified 7500g					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: ceramic, leadless chip carrier SEAL METHOD: solder LEAD COUNT: 68 SEAL PERIMETER: 3.80 LEAD FINISH: gold			PACKAGE TYPE: ceramic, dual-in-line SEAL METHOD: solder LEAD COUNT: 18 SEAL PERIMETER: 2.88 LEAD FINISH: gold & solder		
PACKAGE TYPE: platform SEAL METHOD: projection weld LEAD COUNT: 44 SEAL PERIMETER: 5.76 LEAD FINISH: gold			PACKAGE TYPE: metal, with axial leads ** SEAL METHOD: seam weld LEAD COUNT: 140 SEAL PERIMETER: 11.80 LEAD FINISH: gold		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 2					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Micro Networks Company 324 Clarke Street Worcester, MA 01606	50507	CEVQ	N/A	H	Data Converters Track and Hold Amp
QUALIFICATION LETTER(S)					
EQ(EQM-88-0709) EQ(EQC-92-062) EQ(EQC-91-235) EQ(EQC-93-162) EQ(EQC-91-894) EQ(EQC-94-008)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Worcester, MA FLOW: FC-23 CAPABILITY: Thin film on alumina, 1 conductor level, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Worcester, MA FLOW: FC-25 CAPABILITY: Polymer conductive/nonconductive epoxy and eutectic; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: ceramic, dual-in-line SEAL METHOD: seam weld LEAD COUNT: 62 SEAL PERIMETER: 7.48 LEAD FINISH: gold & solder			PACKAGE TYPE: leadless chip carrier SEAL METHOD: solder LEAD COUNT: 22 SEAL PERIMETER: 1.13 LEAD FINISH: solder		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 200					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Micro-Rel Division Medtronics Incorporated 2343 West Tenth Place Tempe, AZ 85281	8K957	CEUZ	N/A	H	Linear 1553 Bus
QUALIFICATION LETTER(S)					
EQ(EQC-91-417) EQ(EQC-91-727) EQ(EQC-92-136)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Tempe, AZ FLOW: 1403818 CAPABILITY: Co-fire on alumina, 5 conductor levels					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Tempe, AZ FLOW: 1403818 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Solder					
PACKAGE INFORMATION <u>1/</u> <u>2/</u> <u>3/</u>					
PACKAGE TYPE: leadless chip carrier SEAL METHOD: solder LEAD COUNT: 76 SEAL PERIMETER: 3.50 LEAD FINISH: solder			PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 36 SEAL PERIMETER: 4.36 LEAD FINISH: gold & solder		
PACKAGE TYPE: ceramic co-fire, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 36 SEAL PERIMETER: 3.87 LEAD FINISH: gold & solder			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 3					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Micropac Industries, Incorporated 912 East Walnut Street Garland, TX 75040	31757	CEJG	Not Qualified	H & K*	Power
QUALIFICATION LETTER(S)					
EQ(EQC-90-625) *EQ(EQC-92-183) EQ(EQC-91-328) EQ(EQC-92-258) EQ(EQC-91-338) ELS(ELSH-94-0496)					
SUBSTRATE FABRICATION OPERATION(S) 1/					
LOCATION: Garland, TX FLOW: 90138 CAPABILITY: Thick film on alumina, 1 conductor level, resistors; *Thick film on beryllia, 2 conductor levels, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) 1/					
LOCATION: Garland, TX FLOW: 90138 CAPABILITY: *Polymer conductive epoxy and *solder; gold and *aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: *Unpackaged die, *chip capacitors SUBSTRATE ATTACH: *Solder, polymer nonconductive epoxy					
PACKAGE INFORMATION 1/ 2/ 3/					
PACKAGE TYPE: *T0 can SEAL METHOD: *projection weld LEAD COUNT: *8 SEAL PERIMETER: *2.27 LEAD FINISH: *gold & solder			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 7					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Micropac Industries, Incorporated 905 East Walnut Street Garland, TX 75040	31757	CEJG	N/A	H	Custom
QUALIFICATION LETTER(S)					
EQ(EQC-91-178) EQ(EQC-92-258) EQ(EQC-91-647) EQ(EQC-92-183)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Garland, TX FLOW: 90138 CAPABILITY: Thick film on alumina, 5 conductor levels, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Garland, TX FLOW: 90138 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Solder, polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 28 SEAL PERIMETER: 5.00 LEAD FINISH: gold & solder			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 46 SEAL PERIMETER: 5.00 LEAD FINISH: gold & solder		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 7					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Micropac Industries, Incorporated 725 East Walnut Street Garland, TX 75040	31757	CEJG	Not Qualified	H & K*	Opto
QUALIFICATION LETTER(S)					
EQ(EQC-90-624) EQ(EQC-92-120) EQ(EQC-91-188) ELS(ELSH-95-0057) EQ(EQC-91-466)					
SUBSTRATE FABRICATION OPERATION(S) 1/					
LOCATION: Garland, TX FLOW: 90138 CAPABILITY: Thick film on alumina, 2 conductor levels, resistors; *Thick film on alumina, 1 conductor level					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) 1/					
LOCATION: Garland, TX FLOW: 90138 CAPABILITY: *Polymer conductive epoxy; *gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: *Unpackaged die SUBSTRATE ATTACH: Polymer conductive/*nonconductive epoxy					
PACKAGE INFORMATION 1/ 2/ 3/					
PACKAGE TYPE: *ceramic, dual-in-line SEAL METHOD: *solder LEAD COUNT: *16 SEAL PERIMETER: *1.89 LEAD FINISH: *gold & solder			PACKAGE TYPE: leadless chip carrier SEAL METHOD: solder LEAD COUNT: 24 SEAL PERIMETER: 1.60 LEAD FINISH: solder		
PACKAGE TYPE: TO can (dual base) SEAL METHOD: projection weld LEAD COUNT: 7 SEAL PERIMETER: 0.54 LEAD FINISH: gold & solder			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 7					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Microsystems Engineering Inc. 6024 Southwest Jean Road Lake Oswego, OR 97034	75800	CFAU	N/A	H	Power Digital
QUALIFICATION LETTER(S)					
EQ(EQC-90-619) EQ(EQC-93-152) EQ(EQC-91-737) EQ(EQC-93-147)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Lake Oswego, OR FLOW: 3100002 CAPABILITY: Thick film on alumina, 2 conductor levels, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Lake Oswego, OR FLOW: 3100001 CAPABILITY: Polymer conductive/nonconductive epoxy, eutectic, and solder; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 34 SEAL PERIMETER: 5.00 LEAD FINISH: gold			PACKAGE TYPE: ceramic, dual-in-line SEAL METHOD: seam weld LEAD COUNT: 30 SEAL PERIMETER: 5.00 LEAD FINISH: gold		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

-37-
HYBRID MICROCIRCUITS
QML-38534-20

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES			
Natel Engineering Company, Inc. 4550 Runway Street Simi Valley, CA 93063-3493	09059	CFEN	N/A	H	Synchro/Digital Conv			
QUALIFICATION LETTER(S)								
EQ(EQC-91-714) EQ(EQC-92-202) EQ(EQC-92-048) EQ(EQC-93-261) EQ(EQC-92-039)								
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>								
LOCATION: Simi Valley, CA FLOW: NHPS-01.001 CAPABILITY: Thick film on alumina, 3 conductor levels								
LOCATION: N/A FLOW: N/A CAPABILITY: N/A								
ASSEMBLY OPERATION(S) <u>1/</u>								
LOCATION: Simi Valley, CA FLOW: NHPS-01.001 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding								
LOCATION: N/A FLOW: N/A CAPABILITY: N/A								
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors, ceramic posts, daughter board SUBSTRATE ATTACH: Polymer nonconductive epoxy								
PACKAGE INFORMATION <u>1/ 2/ 3/</u>								
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 40 SEAL PERIMETER: 6.56 LEAD FINISH: gold			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 36 SEAL PERIMETER: 5.34 LEAD FINISH: gold					
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:					
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:					
See Tables I and II for Standard Military Drawing (SMD) Information								
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 22								

-38-
HYBRID MICROCIRCUITS
QML-38534-20

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
National Hybrid, Incorporated 2200 Smithtown Avenue Ronkonoma, NY 11779	57363	CFAQ	N/A	H	Linear Data Converters Digital Sample and Hold Data Bus Amplifier Custom
QUALIFICATION LETTER(S)					
EQ(EQC-90-557) EQ(EQM-94-0127) ELS(ELSH-94-359) EQ(EQC-92-035) ELS(ELSH-94-255) ELS(ELSH-94-475) EQ(EQC-92-291) ELS(ELSH-94-274)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Ronkonoma, NY FLOW: FL1772A7THK CAPABILITY: Thick film on alumina, 3 conductor levels, resistors; Thick film on beryllia, 1 conductor level					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Ronkonoma, NY FLOW: FL883500834 CAPABILITY: Polymer conductive/nonconductive epoxy, solder and eutectic; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors, daughter board, chip thermister, inductors SUBSTRATE ATTACH: Polymer conductive/nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 66 SEAL PERIMETER: 6.32 LEAD FINISH: gold			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 78 SEAL PERIMETER: 7.10 LEAD FINISH: gold		
PACKAGE TYPE: ceramic, with side brazed leads SEAL METHOD: seam weld LEAD COUNT: 20 SEAL PERIMETER: 2.42 LEAD FINISH: gold & solder			PACKAGE TYPE: ceramic co-fire, pin grid array SEAL METHOD: seam weld LEAD COUNT: 66 SEAL PERIMETER: 4.40 LEAD FINISH: gold & solder		
PACKAGE TYPE: ceramic, with side brazed leads SEAL METHOD: solder LEAD COUNT: 24 SEAL PERIMETER: 2.26 LEAD FINISH: gold & solder			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 2					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Northrop Corporation Electronics Systems Division 600 Hicks Road Rolling Meadows, IL 60008-1098	26916	(TBD)	N/A	H	Digital Linear
QUALIFICATION LETTER(S)					
ELS(ELSH-94-452)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Rolling Meadows, IL FLOW: 324-000603 CAPABILITY: Thick film on alumina, 2 conductor levels					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Rolling Meadows, IL FLOW: 324-000603 CAPABILITY: Polymer conductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 32 SEAL PERIMETER: 3.50 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

-40-
HYBRID MICROCIRCUITS
QML-38534-20

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Omnirel Corporation 205 Crawford Street Leominster, MA 01453	69210	CESN	N/A	H	Voltage Regulator Power
QUALIFICATION LETTER(S)					
EQ(EQC-91-408) EQ(EQM-94-0029) EQ(EQC-91-807) ELS(ELSH-94-0388) EQ(EQC-91-838)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Leominster, MA FLOW: D070002G CAPABILITY: Thick film on alumina, 2 conductor levels, resistors; Thick film on beryllia, 1 conductor level, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Leominster, MA FLOW: D050015G CAPABILITY: Polymer conductive/nonconductive epoxy and solder; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, tabs, chip resistors SUBSTRATE ATTACH: Solder **Maximum constant acceleration level qualified 7500g					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 8 SEAL PERIMETER: 2.47 LEAD FINISH: solder			PACKAGE TYPE: metal, with peripheral leads ** SEAL METHOD: seam weld LEAD COUNT: 20 SEAL PERIMETER: 8.80 LEAD FINISH: gold		
PACKAGE TYPE: TO can SEAL METHOD: projection weld LEAD COUNT: 8 SEAL PERIMETER: 2.64 LEAD FINISH: nickel			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 13					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES			
Q-Bit Corporation 2575 Pacific Avenue N.E. Palm Bay, FL 32905-2699	55027	(TBD)	N/A	H	RF Amplifier			
QUALIFICATION LETTER(S)								
EQ(EQC-93-252) ELS(ELSH-94-325) EQ(EQC-93-529) ELS(ELSH-95-0025) ELS(ELSH-94-278)								
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>								
LOCATION: Palm Bay, FL FLOW: QB 801805 CAPABILITY: Thin film on beryllia, 1 conductor level; Thin film on alumina, 1 conductor level, resistors								
LOCATION: Palm Bay, FL FLOW: QB 801805 CAPABILITY: Thick film on alumina, 1 conductor level, resistors								
ASSEMBLY OPERATION(S) <u>1/</u>								
LOCATION: Palm Bay, FL FLOW: QB 500011 CAPABILITY: Polymer conductive/nonconductive epoxy and eutectic; gold and copper (solder) wire bonding								
LOCATION: N/A FLOW: N/A CAPABILITY: N/A								
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors, transformers SUBSTRATE ATTACH: Solder, polymer conductive/nonconductive epoxy								
PACKAGE INFORMATION <u>1/ 2/ 3/</u>								
PACKAGE TYPE: TO can SEAL METHOD: projection weld LEAD COUNT: 4 SEAL PERIMETER: 1.57 LEAD FINISH: gold			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 16 SEAL PERIMETER: 4.00 LEAD FINISH: gold					
PACKAGE TYPE: metal, with brazed leads SEAL METHOD: seam weld LEAD COUNT: 4 SEAL PERIMETER: 1.18 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:					
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:					
See Tables I and II for Standard Military Drawing (SMD) Information								
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0								

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
REMEC Incorporated 9404 Chesapeake Drive San Diego, CA 92123-1303	65628	(TBD)	N/A	H	Microwave Amplifier
QUALIFICATION LETTER(S)					
ELS(ELSH-94-199)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: N/A FLOW: N/A CAPABILITY: Purchased thin film					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: San Diego, CA FLOW: 001775 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer conductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 16 SEAL PERIMETER: 4.00 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES			
Raytheon Company Missile Systems Division 465 Centre Street Quincy, MA 02269	94144	CETX	N/A	H	Amplifier			
QUALIFICATION LETTER(S)								
EQ(EQM-87-1031) EQ(EQC-92-327) EQ(EQC-91-668) EQ(EQC-92-372) EQ(EQC-91-669)								
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>								
LOCATION: Quincy, MA FLOW: 38756 CAPABILITY: Thick film on alumina, 8 conductor levels, resistors								
LOCATION: N/A FLOW: N/A CAPABILITY: N/A								
ASSEMBLY OPERATION(S) <u>1/</u>								
LOCATION: Quincy, MA FLOW: 42771 CAPABILITY: Polymer conductive/nonconductive epoxy and eutectic; gold wire bonding								
LOCATION: N/A FLOW: N/A CAPABILITY: N/A								
ADD-ON ELEMENTS: Unpackaged die, chip/tantalum capacitors, chip resistors SUBSTRATE ATTACH: Solder, polymer nonconductive epoxy								
PACKAGE INFORMATION <u>1/ 2/ 3/</u>								
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 13 SEAL PERIMETER: 2.76 LEAD FINISH: gold			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 76 SEAL PERIMETER: 6.36 LEAD FINISH: gold					
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:					
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:					
See Tables I and II for Standard Military Drawing (SMD) Information								
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 4								

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Sipex Corporation Hybrid Systems Division 22 Linnell Circle Billerica, MA 01821	33256	CFAC	N/A	H	A/D Converter D/A Converter Data Acquisition Sys Sample and Hold Voltage Reference
QUALIFICATION LETTER(S)					
EQ(EQC-90-506) EQ(EQC-92-052) ELS(ELSH-94-0329) EQ(EQC-91-781) EQ(EQC-92-438) ELS(ELSH-94-477) EQ(EQC-91-813) EQ(EQC-93-524) ELS(ELSH-95-0075)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Billerica, MA FLOW: 239-0232 CAPABILITY: Thin film on alumina, 1 conductor level, resistors; Purchased thick film					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Billerica, MA FLOW: 239-0458 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: ceramic, dual-in-line SEAL METHOD: seam weld LEAD COUNT: 62 SEAL PERIMETER: 7.48 LEAD FINISH: gold & solder			PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 62 SEAL PERIMETER: 5.78 LEAD FINISH: gold & solder		
PACKAGE TYPE: ceramic, leadless dual-in-line SEAL METHOD: seam weld LEAD COUNT: 24 SEAL PERIMETER: 4.17 LEAD FINISH: solder			PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 64 SEAL PERIMETER: 5.53 LEAD FINISH: gold & solder		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 163					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Solitron Devices, Incorporated 3301 Electronics Way West Palm Beach, FL 33407-4697	21845	CDGD	N/A	H	Linear Power Voltage Regulator
QUALIFICATION LETTER(S)					
ELS(ELSH-94-0316) ELS(ELSH-94-0433) ELS(ELSH-95-0079)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: West Palm Beach, FL FLOW: H1043 CAPABILITY: Thick film on alumina, 1 conductor level, resistors; Thick film on beryllia, 1 conductor level, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: West Palm Beach, FL FLOW: H1040 CAPABILITY: Polymer conductive/nonconductive epoxy and eutectic; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, tabs SUBSTRATE ATTACH: Eutectic					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 6 SEAL PERIMETER: 4.64 LEAD FINISH: gold			PACKAGE TYPE: TO can SEAL METHOD: projection weld LEAD COUNT: 2 SEAL PERIMETER: 2.86 LEAD FINISH: gold		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Space System/Loral 3825 Fabian Way M/S G41 Palo Alto, CA 94303	00JH2	(TBD)	N/A	H	Linear Microwave Digital
QUALIFICATION LETTER(S)					
EQ(EQM-94-046)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Palo Alto, CA FLOW: S02FH10366 CAPABILITY: Thick film on alumina, 1 conductor level, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Palo Alto, CA FLOW: E005245 CAPABILITY: Polymer conductive/nonconductive epoxy; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors SUBSTRATE ATTACH: Polymer conductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 30 SEAL PERIMETER: 5.00 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
TRW Manufacturing Division Hybrid Manufacturing Department One Space Park Redondo Beach, CA 90278	11982	CFHA	Not Qualified	H & K	Digital Analog Custom
QUALIFICATION LETTER(S)					
EQ(EQC-92-334) EQ(EQC-93-171)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Redondo Beach, CA FLOW: D16545 CAPABILITY: Thin film on alumina, 1 conductor level, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Redondo Beach, CA FLOW: D16545 CAPABILITY: Polymer conductive/nonconductive epoxy and eutectic; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors SUBSTRATE ATTACH: Eutectic **Maximum constant acceleration level qualified 7500g					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads ** SEAL METHOD: seam weld LEAD COUNT: 32 SEAL PERIMETER: 4.00 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

-48-
HYBRID MICROCIRCUITS
QML-38534-20

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Teledyne Microelectronics 12964 Panama Street Los Angeles, CA 90066	16170	CEOL	N/A	H	Data Converters Linear Microwave
QUALIFICATION LETTER(S)					
EQ(EQM-87-1898) EQ(EQM-94-0098) EQ(EQC-91-897) EQ(EQM-94-138) EQ(EQM-94-0085) ELS(ELSH-94-313)					
SUBSTRATE FABRICATION OPERATION(S) 1/					
LOCATION: Los Angeles, CA FLOW: 7700530 Exhibit 2.5 CAPABILITY: Thick film on alumina, 7 conductor levels; Thick film on alumina, 1 conductor level, resistors					
LOCATION: Los Angeles, CA FLOW: 7700530 Exhibit 2.4 CAPABILITY: Thin film on alumina, 1 conductor level, resistors					
ASSEMBLY OPERATION(S) 1/					
LOCATION: Los Angeles, CA FLOW: 7700530 Exhibit 2.6 CAPABILITY: Polymer conductive/nonconductive epoxy, eutectic, and solder; gold, aluminum, and ribbon wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors SUBSTRATE ATTACH: Solder, polymer nonconductive epoxy					
PACKAGE INFORMATION 1/ 2/ 3/					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 94 SEAL PERIMETER: 8.75 LEAD FINISH: gold			PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 24 SEAL PERIMETER: 5.00 LEAD FINISH: gold		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 17					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Texas Instruments DSEG/Microelectronics Department 13532 North Central Expressway Dallas, TX 75265	96214	CFCA	N/A	H	Linear
QUALIFICATION LETTER(S)					
EQ(EQC-91-031) ELS(ELSH-95-0092) EQ(EQC-92-392) ELS(ELSH-94-0140)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Dallas, TX FLOW: AII-HYB-005 CAPABILITY: Thick film on alumina, 5 conductor levels, resistors					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Dallas, TX FLOW: AII-HYB-005 CAPABILITY: Polymer conductive/nonconductive epoxy and solder; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Solder, polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with axial leads SEAL METHOD: seam weld LEAD COUNT: 64 SEAL PERIMETER: 7.88 LEAD FINISH: gold			PACKAGE TYPE: metal, single-in-line SEAL METHOD: seam weld LEAD COUNT: 6 SEAL PERIMETER: 4.62 LEAD FINISH: gold		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 0					

-50-
HYBRID MICROCIRCUITS
QML-38534-20

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
Westinghouse Electric Company 7323 Aviation Boulevard Baltimore, MD 21203	97942	CFAR	N/A	H	Custom Digital Analog Power
QUALIFICATION LETTER(S)					
EQ(EQC-90-567) EQ(EQC-91-629)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Baltimore, MD FLOW: 1L88-2461-1/MT CAPABILITY: Thick film on alumina, 8 conductor levels					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Baltimore, MD FLOW: 1L88-2461-5/DM CAPABILITY: Polymer conductive/nonconductive epoxy and eutectic; gold and aluminum wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, tabs, chip resistors, spacer post SUBSTRATE ATTACH: Solder, polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: metal, with peripheral leads SEAL METHOD: seam weld LEAD COUNT: 68 SEAL PERIMETER: 6.00 LEAD FINISH: gold			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 3					

01/05/95

MANUFACTURER	CAGE CODE	SYMBOL CODE	RADIATION HARDNESS LEVEL	PRODUCT CLASS DESIGNATOR	TECHNOLOGY TYPES
White Microelectronics Incorporated 4246 East Wood Street Phoenix, AZ 85040	54230	CEWR	N/A	H	Linear (Oscillator) Digital Memory
QUALIFICATION LETTER(S)					
EQ(EQC-92-070) EQ(EQC-93-508) EQ(EQC-92-138) ELS(ELSH-94-0256) EQC-93-457 ELS(ELSH-95-0107)					
SUBSTRATE FABRICATION OPERATION(S) <u>1/</u>					
LOCATION: Phoenix, AZ FLOW: 106A00006 CAPABILITY: Thick film on alumina, 1 conductor level, resistors; Thick film on alumina, 6 conductor levels					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ASSEMBLY OPERATION(S) <u>1/</u>					
LOCATION: Phoenix, AZ FLOW: 106A00006 CAPABILITY: Polymer conductive/nonconductive epoxy; gold wire bonding					
LOCATION: N/A FLOW: N/A CAPABILITY: N/A					
ADD-ON ELEMENTS: Unpackaged die, chip capacitors, chip resistors SUBSTRATE ATTACH: Polymer nonconductive epoxy					
PACKAGE INFORMATION <u>1/ 2/ 3/</u>					
PACKAGE TYPE: platform SEAL METHOD: projection weld LEAD COUNT: 16 SEAL PERIMETER: 3.53 LEAD FINISH: gold & solder			PACKAGE TYPE: ceramic co-fire, with side brazed leads SEAL METHOD: seam weld LEAD COUNT: 32 SEAL PERIMETER: 4.27 LEAD FINISH: gold & solder		
PACKAGE TYPE: ceramic co-fire, with axial leads SEAL METHOD: seam weld LEAD COUNT: 66 SEAL PERIMETER: 4.58 LEAD FINISH: gold & solder			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:			PACKAGE TYPE: SEAL METHOD: LEAD COUNT: SEAL PERIMETER: LEAD FINISH:		
See Tables I and II for Standard Military Drawing (SMD) Information					
NUMBER OF SCD/SID DEVICES COVERED BY QUALIFICATION TESTING MIL-H-38534 COMPLIANT: 3					

STANDARDIZED MILITARY DRAWING (SMD)
APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I AND TABLE II

PRODUCT ELIGIBILITY: The manufacturers listed in tables I and II have certified that the Hybrid Microcircuits are built, tested, and shipped using MIL-H-38534 CERTIFIED FLOW/QUALIFIED MATERIALS and MANUFACTURING TECHNIQUES and are in FULL COMPLIANCE with MIL-H-38534 requirements.

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
7801301GX	CTS0002XB	1	CURRENT AMPLIFIER	CTS Microelectronics	23223
7801301XX	CTS0002	1	CURRENT AMPLIFIER	CTS Microelectronics	23223
7801301XX	ELH0002H/883B	3	CURRENT AMPLIFIER	Elantec Incorporated	64762
8001301ZX	MSK 0032B	1	AMPLIFIER, OPERATIONAL, THICK FILM	M.S Kennedy Corp.	51651
8001301ZX	CTS0032ZB	1	AMPLIFIER, OPERATIONAL, THICK FILM	CTS Microelectronics	23223
8001301ZX	ELH0032G/883B	1	AMPLIFIER, OPERATIONAL, THICK FILM	Elantec Incorporated	64762
8001401ZA	ELH0033G/883B	1	VOLT. FOLLOWER/BUFFER	Elantec Incorporated	64762
8001401ZC	ELH0033G/883B	1	VOLT. FOLLOWER/BUFFER	Elantec Incorporated	64762
8102801EX	66013-001	1	OPTOCOUPLER, DUAL	Micropac Industries	31757
8102801XX	66072-001/883B	1	OPTOCOUPLER, DUAL	Micropac Industries	31757
8102801TA	6N134/883B#300	3	OPTOCOUPLER, DUAL	Hewlett-Packard Co.	50434
8102801EX	6N134/883B	3	OPTOCOUPLER, DUAL	Hewlett-Packard Co.	50434
8102801UX	6N134/883B#100	3	OPTOCOUPLER, DUAL	Hewlett-Packard Co.	50434
8102802ZA	HCPL-5631#300	3	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
8102802PX	HCPL-5631	3	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
8102802YX	HCPL-5631#100	3	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
8102802PX	66056-103	1	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Micropac Industries	31757
81028032X	66123-001	1	OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	Micropac Industries	31757
81028032A	HCPL-6631	3	OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
8300201XX		1	D/A CONVERTER, 12-BIT, RANGE-PROGRAMMABLE VOLTAGE OUTPUT	NO APPROVED SOURCE	XXXXX
8300201JX	DAC87	1	D/A CONVERTER, 12-BIT, RANGE-PROGRAMMABLE VOLTAGE OUTPUT	Analog Devices, Inc	34031
8302401ZX	6N140A/883B#600	3	OPTOCOUPLER, 4-CHANNEL	Hewlett-Packard Co.	50434
8302401YX	6N140A/883B	3	OPTOCOUPLER, 4-CHANNEL	Hewlett-Packard Co.	50434
8302401XA	6N140A/883B	3	OPTOCOUPLER, 4-CHANNEL	Hewlett-Packard Co.	50434
8302401EX	6N140A/883B	3	OPTOCOUPLER, 4-CHANNEL	Hewlett-Packard Co.	50434
8302401EX	6N140/883B	1	OPTOCOUPLER, 4-CHANNEL	Micropac Industries	31757
8503001YX	HC2700SD/883B	1	VOLT. REFERENCE, +10.000V, PRECISION	Hycomp, Incorporated	34707
8503001YX	2700SD/883B	1	VOLT. REFERENCE, +10.000V, PRECISION	Analog Devices, Inc	34031
8503001CX	HS2700SD/883B	1	VOLT. REFERENCE, +10.000V, PRECISION	Sipex Corporation	33256
85030013A	HC2700SLCC/883B	1	VOLT. REFERENCE, +10.000V, PRECISION	Hycomp, Incorporated	34707
8503002YX	HC2700UD/883B	1	VOLT. REFERENCE, +10.000V, PRECISION	Hycomp, Incorporated	34707
8503002YX	2700UD/883B	1	VOLT. REFERENCE, +10.000V, PRECISION	Analog Devices, Inc	34031
85030023A	HC2700ULCC/883B	1	VOLT. REFERENCE, +10.000V, PRECISION	Hycomp, Incorporated	34707
8503002CX	HS2700UD/883B	1	VOLT. REFERENCE, +10.000V, PRECISION	Sipex Corporation	33256
8503003CX	HS2702SD/883B	1	VOLT. REFERENCE, +10.000V, PRECISION	Sipex Corporation	33256

-54-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
85030033A	HC2702SLCC/883B	1	VOLT. REFERENCE, $\pm 10.000V$, PRECISION	Hycomp, Incorporated	34707
8503003YX	2702SD/883B	1	VOLT. REFERENCE, $\pm 10.000V$, PRECISION	Analog Devices, Inc	34031
8503003YX	HC2702SD/883B	1	VOLT. REFERENCE, $\pm 10.000V$, PRECISION	Hycomp, Incorporated	34707
85030043A	HC2702ULCC/883B	1	VOLT. REFERENCE, $\pm 10.000V$, PRECISION	Hycomp, Incorporated	34707
8503004CX	HS2702UD/883B	1	VOLT. REFERENCE, $\pm 10.000V$, PRECISION	Sipex Corporation	33256
8503004YX	2702UD/883B	1	VOLT. REFERENCE, $\pm 10.000V$, PRECISION	Analog Devices, Inc	34031
8503004YX	HC2702UD/883B	1	VOLT. REFERENCE, $\pm 10.000V$, PRECISION	Hycomp, Incorporated	34707
85030053A	HC2701SLCC/883B	1	VOLT. REFERENCE, $-10.000V$, PRECISION	Hycomp, Incorporated	34707
8503005YX	HC2701SD/883B	1	VOLT. REFERENCE, $-10.000V$, PRECISION	Hycomp, Incorporated	34707
8503005YX	2701SD/883B	1	VOLT. REFERENCE, $-10.000V$, PRECISION	Analog Devices, Inc	34031
8503005CX	HS2701SD/883B	1	VOLT. REFERENCE, $-10.000V$, PRECISION	Sipex Corporation	33256
8503006YX	HC2701UD/883B	1	VOLT. REFERENCE, $-10.000V$, PRECISION	Hycomp, Incorporated	34707
85030063A	HC2701ULCC/883B	1	VOLT. REFERENCE, $-10.000V$, PRECISION	Hycomp, Incorporated	34707
8503006YX	2701UD/883B	1	VOLT. REFERENCE, $-10.000V$, PRECISION	Analog Devices, Inc	34031
8503006CX	HS2701UD/883B	1	VOLT. REFERENCE, $-10.000V$, PRECISION	Sipex Corporation	33256
8508701ZX	MSK 0041B	1	OP AMP, POWER	M.S Kennedy Corp.	51651
8508701ZX	ELH0041G/883B	1	OP AMP, POWER	Elantec Incorporated	64762
8508701ZX	CTS0041ZB	1	OP AMP, POWER	CTS Microelectronics	23223
8508801YX	ELH0021K/883B	1	OP AMP, POWER	Elantec Incorporated	64762
8508801YX	CTS0021ZB	1	OP AMP, POWER	CTS Microelectronics	23223
8508901YX	ELH0101AK/883B	1	OP AMP, POWER	Elantec Incorporated	64762
8508902YX	ELH0101AK/883B	1	OP AMP, POWER	Elantec Incorporated	64762
5962-8604902ZX	BUS63105	1	DRIVER-RECEIVER, SINGLE CHANNEL, (INTERFACES WITH MANCHESTER ENCODER-DECODER)	DDC Ireland LTD.	S7631
5962-8604903YX	ARX2402	1	DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	Aeroflex Lab. Inc.	88379
5962-8604904UX	ARX3402	1	DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	Aeroflex Lab. Inc.	88379
5962-8604905YX		1	DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	NO APPROVED SOURCE	XXXXX
5962-8604905XX	BUS63100-617	1	DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	ILC Data Device Corp	19645
5962-8604906TX	NHI-1509FP	1	DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	National Hybrid, Inc	57363
5962-8604906YX	NHI-1509	1	DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	National Hybrid, Inc	57363
5962-8604907XX	FC155361	1	DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	C-MAC Microcircuits	U4388
5962-8604908XX	FC155362	1	DRIVER-RECEIVER, SINGLE CHANNEL	C-MAC Microcircuits	U4388
5962-8753501YC	BUS65117	1	REMOTE TERMINAL UNIT, DUAL REDUNDANT	ILC Data Device Corp	19645
5962-8753501XA	BUS65112	1	REMOTE TERMINAL UNIT, DUAL REDUNDANT	ILC Data Device Corp	19645
5962-8753502YX	ARX2452FP	1	REMOTE TERMINAL UNIT, DUAL REDUNDANT	Aeroflex Lab. Inc.	88379

-55-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-8753502XX	ARX2452		1	REMOTE TERMINAL UNIT, DUAL REDUNDANT	Aeroflex Lab. Inc.	88379
5962-8757902XX	BUS63125II		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	DDC Ireland LTD.	S7631
5962-8757902YC	BUS63126II		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	DDC Ireland LTD.	S7631
5962-8757902YC	BUS63126II		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	ILC Data Device Corp	19645
5962-8757902XX	BUS63125II		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	ILC Data Device Corp	19645
5962-8757903YX	ARX2411FP		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	Aeroflex Lab. Inc.	88379
5962-8757903XX	ARX2411		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	Aeroflex Lab. Inc.	88379
5962-8757904UX	ARX3411		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	Aeroflex Lab. Inc.	88379
5962-8757904ZX	ARX3411FP		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	Aeroflex Lab. Inc.	88379
5962-8757904YX	ARX3411FP		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	Aeroflex Lab. Inc.	88379
5962-8757904XX	ARX3411		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	Aeroflex Lab. Inc.	88379
5962-8757905YX	NHI-1500FP		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	National Hybrid, Inc	57363
5962-8757905XX	NHI-1500		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	National Hybrid, Inc	57363
5962-8757906YX	FC1553623FP		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	C-MAC Microcircuits	U4388
5962-8757906XX	FC1553623		1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	C-MAC Microcircuits	U4388
5962-8757907XX			1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	NO APPROVED SOURCE	XXXXX
5962-8757907YX			1	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	NO APPROVED SOURCE	XXXXX
5962-8757908XC	MR63125MPR		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	Micro-Rel Division	8K957
5962-8757909YX	FC1553621FP		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	C-MAC Microcircuits	U4388
5962-8757909XX	FC1553621		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	C-MAC Microcircuits	U4388
5962-8761701XX	CTS00061B		1	DRIVER, HIGH VOLTAGE, 1.5A	CTS Microelectronics	23223
5962-8761702XX	CTS00081B		1	DRIVER, HIGH VOLTAGE, HIGH CURRENT, 3.0A	CTS Microelectronics	23223
5962-8762001XX	MIOP42106/883		1	OP AMP, HIGH-POWER	Micropac Industries	31757
5962-8762002XX	PA51M/883		1	OP AMP, HIGH-POWER	Apex Microtechnology	60024
5962-8763201XX			1	REMOTE TERMINAL UNIT, LOW POWER, DUAL, REDUNDANT	NO APPROVED SOURCE	XXXXX
5962-8767901UX	4N55/883B#100		1	OPTOCOUPLER, DUAL	Hewlett-Packard Co.	50434
5962-8767901EX	4N55/883B		1	OPTOCOUPLER, DUAL	Micropac Industries	31757
5962-8767901TA	4N55/883B#300		1	OPTOCOUPLER, DUAL	Hewlett-Packard Co.	50434
5962-8767901EX	4N55/883B		1	OPTOCOUPLER, DUAL	Hewlett-Packard Co.	50434
5962-8767902XA	HCPL-5531#300		1	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-8767902PX	66126-103		1	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Micropac Industries	31757
5962-8767902PX	HCPL-5531		3	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-8767902YX	HCPL-5531#100		1	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-87679032A	HCPL-6531		1	OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-8768701YX	RDC14505-638C		1	RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	ILC Data Device Corp	19645

-56-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-8768701XC	HSDC8920A883B		1	RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	DDC Ireland LTD.	S7631
5962-8768701XC	HSDC8920A883B		1	RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	ILC Data Device Corp	19645
5962-8768702YX	RDC14505-639C		1	RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	ILC Data Device Corp	19645
5962-8768702XC	RDC14505-639		1	RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	ILC Data Device Corp	19645
5962-8768702XC	HSDC8920883B		1	RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	DDC Ireland LTD.	S7631
5962-8768703XC	RDC14505-641		1	RESOLVER-TO-DIGITAL CONVERTER, 400 HZ, 6V INPUT	DDC Ireland LTD.	S7631
5962-8768703XC	RDC14505-641		1	RESOLVER-TO-DIGITAL CONVERTER, 400 HZ, 6V INPUT	ILC Data Device Corp	19645
5962-8768703YX	RDC14505-641C		1	RESOLVER-TO-DIGITAL CONVERTER, 400 HZ, 6V INPUT	ILC Data Device Corp	19645
5962-8768801XX	MN3008H/B		1	D/A CONVERTER, 8-BIT, 0V TO +4V OUTPUT	Micro Networks Co.	50507
5962-8768801YX			1	D/A CONVERTER, 8-BIT, 0V TO +4V OUTPUT	NO APPROVED SOURCE	XXXXX
5962-8768802YX			1	D/A CONVERTER, 8-BIT, -2V TO +2V OUTPUT	NO APPROVED SOURCE	XXXXX
5962-8768802XX	MN3009H/B		1	D/A CONVERTER, 8-BIT, -2V TO +2V OUTPUT	Micro Networks Co.	50507
5962-8850801XX	ADC-HX/883B		1	A/D CONVERTER, 12-BIT	Datel Incorporated	50721
5962-8850802XX	ADC-HZ/883B		1	A/D CONVERTER, 12-BIT	Datel Incorporated	50721
5962-8850802XX	MNADC87H/B		1	A/D CONVERTER, 12-BIT	Micro Networks Co.	50507
5962-8850901XX	AD390S		1	D/A CONVERTER, QUAD 12-BIT	Analog Devices, Inc	34031
5962-8850902XX	AD390T		1	D/A CONVERTER, QUAD 12-BIT	Analog Devices, Inc	34031
5962-8851001XX	AD394S		1	D/A CONVERTER, QUAD 12-BIT	Analog Devices, Inc	34031
5962-8851002XX	AD394T		1	D/A CONVERTER, QUAD 12-BIT	Analog Devices, Inc	34031
5962-8851003XX			1	D/A CONVERTER, QUAD 12-BIT	NO APPROVED SOURCE	XXXXX
5962-8851004XX			1	D/A CONVERTER, QUAD 12-BIT	NO APPROVED SOURCE	XXXXX
5962-8851401XX	HS9403B-8		1	DATA ACQUISITION SYSTEM, 12-BIT, 8-CHANNEL DIFFERENTIAL INPUT	Sipex Corporation	33256
5962-8851402XX	HS9403B-16		1	DATA ACQUISITION SYSTEM, 12-BIT, 16-CHANNEL SINGLE-ENDED INPUT	Sipex Corporation	33256
5962-8851403X	HS9403B-8-1		1	DATA ACQUISITION SYSTEM, 12-BIT, 8-CHANNEL DIFFERENTIAL INPUT	Sipex Corporation	33256
5962-8851403X	HDAS-8/883		1	DATA ACQUISITION SYSTEM, 12-BIT, 8-CHANNEL DIFFERENTIAL INPUT	Datel Incorporated	50721
5962-8851404X	HDAS-16/883		1	DATA ACQUISITION SYSTEM, 12-BIT, 16-CHANNEL SINGLE-ENDED INPUT	Datel Incorporated	50721
5962-8851404X	HS9403B-16-1		1	DATA ACQUISITION SYSTEM, 12-BIT, 16-CHANNEL SINGLE-ENDED INPUT	Sipex Corporation	33256
5962-8851701XX	DAC02310-112		1	D/A CONVERTER, 14-BIT, DEGLITCHED, $\pm 0.12\%$ FSR	ILC Data Device Corp	19645
5962-8851701YX	DAC02311-112		1	D/A CONVERTER, 14-BIT, DEGLITCHED, $\pm 0.12\%$ FSR	ILC Data Device Corp	19645
5962-8851702XX	DAC02310-113		1	D/A CONVERTER, 14-BIT, DEGLITCHED, $\pm 0.006\%$ FSR	ILC Data Device Corp	19645
5962-8851702YX	DAC02311-113		1	D/A CONVERTER, 14-BIT, DEGLITCHED, $\pm 0.006\%$ FSR	ILC Data Device Corp	19645
5962-8854201XX	ADC00300-112		1	A/D CONVERTER, 12-BIT, TRACK/HOLD	ILC Data Device Corp	19645
5962-8854201YX	ADC00302-112		1	A/D CONVERTER, 12-BIT, TRACK/HOLD	ILC Data Device Corp	19645
5962-8857901XC	HOS-050A		1	OP AMP, FAST SETTLING VIDEO	Analog Devices, Inc	34031
5962-8857902XC	HOS-060SH		1	OP AMP, FAST SETTLING VIDEO	Analog Devices, Inc	34031

-57-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-8858501YX		1	BUS CONTROLLER, DUAL REDUNDANT, RTU	NO APPROVED SOURCE	XXXXX
5962-8858501XX		1	BUS CONTROLLER, DUAL REDUNDANT, RTU	NO APPROVED SOURCE	XXXXX
5962-8858601XX	BUS66300II883B	1	INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553	ILC Data Device Corp	19645
5962-8858601YC	BUS66301III883	1	INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553	ILC Data Device Corp	19645
5962-8862901XA	HS9342B	1	D/A CONVERTER, QUAD 12-BIT	Sipex Corporation	33256
5962-8862901XC	HS9342B	1	D/A CONVERTER, QUAD 12-BIT	Sipex Corporation	33256
5962-8865801XX	AD578X	1	A/D CONVERTER, 12-BIT, HIGH-SPEED	Analog Devices, Inc	34031
5962-8865802XX	AD578T	1	A/D CONVERTER, 12-BIT, HIGH-SPEED	Analog Devices, Inc	34031
5962-8865803XX	AD578ZSD	1	A/D CONVERTER, 12-BIT, HIGH-SPEED	Analog Devices, Inc	34031
5962-8865804XX	AD578ZTD	1	A/D CONVERTER, 12-BIT, HIGH-SPEED	Analog Devices, Inc	34031
5962-8869201XC	BUS61553II-883	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	DDC Ireland LTD.	S7631
5962-8869201YX	BUS61563-883B	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-8869201XX	BUS61553-883B	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-8869201TX	BUS61563II-601	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-8869201ZX	BUS61563-883B	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-8869202XX	BUS61554-883B	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-8869202XC	BUS61554II-883	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	DDC Ireland LTD.	S7631
5962-8869202ZX	BUS61564-883B	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-8869202YC	BUS61564-883B	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-8869203XC	BUS61555-883B	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCIEVER	ILC Data Device Corp	19645
5962-8869203ZC	BUS61565-883B	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCIEVER	ILC Data Device Corp	19645
5962-8869203YC	BUS61565-883B	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCIEVER	ILC Data Device Corp	19645
5962-8869204XC	BUS61556-883B	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCIEVERLESS	ILC Data Device Corp	19645
5962-8870101YX	OMA541SDB	1	OP AMP, HIGH-POWER	Omnirel Corporation	69210
5962-8870101XX		1	OP AMP, HIGH-POWER	NO APPROVED SOURCE	XXXXX
5962-8876801PX	HCPL-5201	1	OPTOCOUPLER, SINGLE-CHANNEL	Hewlett-Packard Co.	50434
5962-8876801XX	HCPL-5201#300	1	OPTOCOUPLER, SINGLE-CHANNEL	Hewlett-Packard Co.	50434
5962-8876801YX	HCPL-5201#100	1	OPTOCOUPLER, SINGLE-CHANNEL	Hewlett-Packard Co.	50434
5962-8876901XA	HCPL-5231#300	1	OPTOCOUPLER, DUAL-CHANNEL	Hewlett-Packard Co.	50434
5962-8876901PX	HCPL-5231	3	OPTOCOUPLER, DUAL-CHANNEL	Hewlett-Packard Co.	50434
5962-8876901YX	HCPL-5231#100	1	OPTOCOUPLER, DUAL-CHANNEL	Hewlett-Packard Co.	50434
5962-88769022A	HCPL-6231	1	OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLT. AND GND. CONNECTIONS	Hewlett-Packard Co.	50434
5962-8877601XX	HS1068B	1	A/D CONVERTER, 8-BIT FLASH	Sipex Corporation	33256
5962-8944701HZX	ARX3436FP	1	DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	Aeroflex Lab. Inc.	88379
5962-8944701HYX	ARX3416FP	1	DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY	Aeroflex Lab. Inc.	88379

-58-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-8944701HXX	ARX3416		1	HIGH DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	Aeroflex Lab. Inc.	88379
5962-8944701HUX	ARX3436		1	HIGH DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	Aeroflex Lab. Inc.	88379
5962-8944702YX	NHI-1501FP		1	HIGH DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	National Hybrid, Inc	57363
5962-8944702XX	NHI-1501		1	HIGH DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	National Hybrid, Inc	57363
5962-8944703YX	FC1553622FP		1	HIGH DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	C-MAC Microcircuits	U4388
5962-8944703XX	FC1553622		1	HIGH DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	C-MAC Microcircuits	U4388
5962-8944704HXC	BUS63135II		1	HIGH DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	ILC Data Device Corp	19645
5962-8944704HYC	BUS63136II		1	HIGH DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	ILC Data Device Corp	19645
5962-8944705HXX			1	HIGH DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	NO APPROVED SOURCE	XXXXX
5962-8944706HXX			1	HIGH DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	NO APPROVED SOURCE	XXXXX
5962-8944707HYX			1	HIGH DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	NO APPROVED SOURCE	XXXXX
5962-8947701PX	HCPL-5761		2	OPTOCOUPLER, AC/DC TO LOGIC INTERFACE	Hewlett-Packard Co.	50434
5962-8947701XA	HCPL-5761#300		1	OPTOCOUPLER, AC/DC TO LOGIC INTERFACE	Hewlett-Packard Co.	50434
5962-8947701YX	HCPL-5761#100		1	OPTOCOUPLER, AC/DC TO LOGIC INTERFACE	Hewlett-Packard Co.	50434
5962-8949001XX	OM7509SC/883B		1	VOLT. REGULATOR, FIXED, DUAL, +15V AND -15V OUTPUT	Omnirel Corporation	69210
5962-8949002XX	OM7501SC/883B		1	VOLT. REGULATOR, FIXED, DUAL, +5V AND -5V OUTPUT	Omnirel Corporation	69210
5962-8949003XX	OM7502SC/883B		1	VOLT. REGULATOR, FIXED, DUAL, +5V AND -12V OUTPUT	Omnirel Corporation	69210
5962-8949004XX	OM7503SC/883B		1	VOLT. REGULATOR, FIXED, DUAL, +5V AND -15V OUTPUT	Omnirel Corporation	69210
5962-8949005XX	OM7504SC/883B		1	VOLT. REGULATOR, FIXED, DUAL, +12V AND -5V OUTPUT	Omnirel Corporation	69210
5962-8949006XX	OM7505SC/883B		1	VOLT. REGULATOR, FIXED, DUAL, +12V AND -12V OUTPUT	Omnirel Corporation	69210
5962-8949007XX	OM7506SC/883B		1	VOLT. REGULATOR, FIXED, DUAL, +12V AND -15V OUTPUT	Omnirel Corporation	69210
5962-8949008XX	OM7507SC/883B		1	VOLT. REGULATOR, FIXED, DUAL, +15V AND -5V OUTPUT	Omnirel Corporation	69210
5962-8949009XX	OM7508SC/883B		1	VOLT. REGULATOR, FIXED, DUAL, +15V AND -12V OUTPUT	Omnirel Corporation	69210
5962-8949801XX	SDC14561-114		1	SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 2.0 MINUTES ACCURACY	DDC Ireland LTD.	S7631
5962-8949801XX	SDC14561111114		1	SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8949801YX	SDC145611111-60		1	SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8949802XX	SDC14561111115		1	SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 1.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8949802XX	SDC14561-115		1	SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 1.0 MINUTES ACCURACY	DDC Ireland LTD.	S7631
5962-8949802YX	SDC145611111-60		1	SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 1.0 MINUTES ACCURACY	ILC Data Device Corp	19645

-59-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-8949803XX	HSD1066-349H/2	1	SYNCHRO-TO-DIGITAL CONVERTER, 90V, 400 HZ, 2.0 MINUTES ACCURACY	Nate1 Engineering Co	09059
5962-8949804XX	HSD1066-349V/2	1	SYNCHRO-TO-DIGITAL CONVERTER, 90V, 400 HZ, 1.0 MINUTES ACCURACY	Nate1 Engineering Co	09059
5962-8949805YX	SDC14562III1-11	1	SYNCHRO-TO-DIGITAL CONVERTER, 90V, 60 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8949805XX	SDC14562III1-11	1	SYNCHRO-TO-DIGITAL CONVERTER, 90V, 60 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8949901XX	SDC14560III1-60	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8949901YX	SDC14560III1-60	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8949901XX	SDC14560-114	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	DDC Ireland LTD.	S7631
5962-8949902XX	SDC14560-115	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY	DDC Ireland LTD.	S7631
5962-8949902XX	SDC14560III1-60	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8949902YX	SDC14560III1-60	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8949903XC	SDC14560-605	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	DDC Ireland LTD.	S7631
5962-8949903XC	SDC14560III1605	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8949903YX	SDC14560III1-60	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8949904XX	HSD1066-341H/2	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	Nate1 Engineering Co	09059
5962-8949905XX	HSD1066-341V/2	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY	Nate1 Engineering Co	09059
5962-8949906XX	HSD1066-C778H/2	1	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	Nate1 Engineering Co	09059
5962-8950901XX	RGBDAC3808H/B	1	D/A CONVERTER, 8-BIT, TRIPLE, COLOR-MAPPED VIDEO	Lambda Adv. Analog	52467
5962-8952201XX		1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	NO APPROVED SOURCE	XXXXX
5962-8952202XX	ARX-2453	1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	Aeroflex Lab. Inc.	88379
5962-8952202YX	ARX-2453FP	1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	Aeroflex Lab. Inc.	88379
5962-8952203YX	NHI-1529FP	1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	National Hybrid, Inc	57363
5962-8952203XX	NHI-1529	1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	National Hybrid, Inc	57363
5962-8952204XX		1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	NO APPROVED SOURCE	XXXXX
5962-8952205UX		1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	NO APPROVED SOURCE	XXXXX
5962-8952205ZX		1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	NO APPROVED SOURCE	XXXXX
5962-8952206XX	FC1553921	1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	C-MAC Microcircuits	U4388
5962-8952206YX	FC1553921FP	1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	C-MAC Microcircuits	U4388
5962-8952207YX	FC1553923	1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	C-MAC Microcircuits	U4388
5962-8952207XX	FC1553923	1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	C-MAC Microcircuits	U4388
5962-8952208XX	ARX-3453	1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	Aeroflex Lab. Inc.	88379

-60-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-8952208YX	ARX-3453FP		1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	Aeroflex Lab. Inc.	88379
5962-8952801XX	DAC HKB/883B		1	D/A CONVERTER, 12-BIT, BINARY INPUT CODE	Datel Incorporated	50721
5962-8952802XX	DAC HKB-2/883B		1	D/A CONVERTER, 12-BIT, TWO'S COMPLEMENT	Datel Incorporated	50721
5962-8953101HXX	DAC HPB/883B		1	D/A CONVERTER, 16-BIT, 0 TO +10V AND $\pm 5V$ OUTPUT	Datel Incorporated	50721
5962-8953102HYX	MN3292T/B-V		1	D/A CONVERTER, 16-BIT, $\pm 10V$ OUTPUT	Micro Networks Co.	50507
5962-8953102HXX	DAC HPB-1/883B		1	D/A CONVERTER, 16-BIT, $\pm 10V$ OUTPUT	Datel Incorporated	50721
5962-8953103HYX	MN3290T/B-V		1	D/A CONVERTER, 16-BIT, 0 TO +10V OUTPUT	Micro Networks Co.	50507
5962-8953104HYX	MN3291T/B-V		1	D/A CONVERTER, 16-BIT, $\pm 5V$ OUTPUT	Micro Networks Co.	50507
5962-8956301HXX	MN5290H/B		1	A/D CONVERTER, 16-BIT RESOLUTION	Micro Networks Co.	50507
5962-8956302HXX	MN5291H/B		1	A/D CONVERTER, 16-BIT RESOLUTION	Micro Networks Co.	50507
5962-8956501XX	HS362SB		1	MULTIPLEXER, DUAL 8-CHANNEL, WITH SAMPLE AND HOLD	Sipex Corporation	33256
5962-8956601HCX			1	SAMPLE AND HOLD AMPLIFIER, 16-BIT	NO APPROVED SOURCE	XXXXX
5962-8956601HXX	HS9716TB-1		1	SAMPLE AND HOLD AMPLIFIER, 16-BIT	Sipex Corporation	33256
5962-8956901HXX	MN5295H/B		1	A/D CONVERTER, 16-BIT	Micro Networks Co.	50507
5962-8957001YX	HCPL-5401#100		1	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	Hewlett-Packard Co.	50434
5962-8957001PX	HCPL-5401		2	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	Hewlett-Packard Co.	50434
5962-8957001XA	HCPL-5401#300		1	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	Hewlett-Packard Co.	50434
5962-8957101XA	HCPL-5431#300		1	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-8957101YX	HCPL-5431#100		1	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-8957101PX	HCPL-5431		3	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-89571022X	HCPL-6431		3	OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-8957201EX	HCPL-1931		1	OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER	Hewlett-Packard Co.	50434
5962-8957201XA	HCPL-1931		1	OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER	Hewlett-Packard Co.	50434
5962-8957201YX	HCPL-1931		1	OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER	Hewlett-Packard Co.	50434
5962-8958301YX	MN5200H/B		1	A/D CONVERTER, 12-BIT, 0V TO -10V INTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958302YX	MN5203H/B		1	A/D CONVERTER, 12-BIT, 0V TO -10V EXTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958303YX	MN5201H/B		1	A/D CONVERTER, 12-BIT, -5V TO +5V INTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958304YX	MN5204H/B		1	A/D CONVERTER, 12-BIT, -5V TO +5V EXTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958305YX	MN5202H/B		1	A/D CONVERTER, 12-BIT, -10V TO +10V INTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958306YX	MN5205H/B		1	A/D CONVERTER, 12-BIT, -10V TO +10V EXTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958307YX	MN5206H/B		1	A/D CONVERTER, 12-BIT, 0V TO 10V INTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958401YX	MN5210H/B		1	A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO -10V INTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958402YX	MN5213H/B		1	A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO -10V EXTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958403YX	MN5211H/B		1	A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V INTERNAL REFERENCE	Micro Networks Co.	50507

-61-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-8958404YX	MN5214H/B		1	A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V EXTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958405YX	MN5212H/B		1	A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V INTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958406YX	MN5215H/B		1	A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V EXTERNAL REFERENCE	Micro Networks Co.	50507
5962-8958407YX	MN5216H/B		1	A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO 10V INTERNAL REFERENCE	Micro Networks Co.	50507
5962-8959201YX	ARX3407FP		1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY HIGH	Aeroflex Lab. Inc.	88379
5962-8959201XX	ARX3407		1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY HIGH	Aeroflex Lab. Inc.	88379
5962-8959202XX	ARX3404		1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH	Aeroflex Lab. Inc.	88379
5962-8959202YX	ARX3404FP		1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH	Aeroflex Lab. Inc.	88379
5962-8959203YX	ARX3407-001FP		1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY HIGH	Aeroflex Lab. Inc.	88379
5962-8959203XX	ARX3407-001		1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY HIGH	Aeroflex Lab. Inc.	88379
5962-8959204YX	ARX3404-001FP		1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH	Aeroflex Lab. Inc.	88379
5962-8959204XX	ARX3404-001		1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH	Aeroflex Lab. Inc.	88379
5962-8959205XX	ARX3467		1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY LOW	Aeroflex Lab. Inc.	88379
5962-8959205YX	ARX3467FP		1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY LOW	Aeroflex Lab. Inc.	88379
5962-8959206XX	ARX3464		1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY LOW	Aeroflex Lab. Inc.	88379
5962-8959206YX	ARX3464FP		1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY LOW	Aeroflex Lab. Inc.	88379
5962-8959401XX	CLC231A8C		1	OP AMP, HIGH-SPEED, WIDEBAND	Comlinear Corp.	62839
5962-8959501XX	MN5245H/B		1	A/D CONVERTER, 12-BIT, 0 TO +5V	Micro Networks Co.	50507
5962-8959502XX	MN5245AH/B		1	A/D CONVERTER, 12-BIT, 0 TO +5V, WITH THREE-STATE OUTPUTS	Micro Networks Co.	50507
5962-8959503XX	MN5246H/B		1	A/D CONVERTER, 12-BIT, $\pm 2.5V$	Micro Networks Co.	50507
5962-8959504XX	MN5246AH/B		1	A/D CONVERTER, 12-BIT, $\pm 2.5V$, WITH 3-STATE OUTPUTS	Micro Networks Co.	50507
5962-8965901XX	EL2004G/883B		1	BUFFER, FET	Elantec Incorporated	64762
5962-8965901YX			1	BUFFER, FET	NO APPROVED SOURCE	XXXXX
5962-8968301HXX	AHE2805S/CH		1	DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	Lambda Adv. Analog	52467
5962-8968301HZX	AHE2805SF/CH		1	DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	Lambda Adv. Analog	52467
5962-8968302HXX	AHE2805S/CHSLV		1	DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	Lambda Adv. Analog	52467
5962-8968302HZX	AHE2805SFCHSLV		1	DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	Lambda Adv. Analog	52467
5962-8968303HZX	AHE2805SFCHMST		1	DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	Lambda Adv. Analog	52467
5962-8968303HXX	AHE2805S/CHMST		1	DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	Lambda Adv. Analog	52467

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-8971801XX	MN3020H/B		1	D/A CONVERTER, 8-BIT, WITH INPUT REGISTER	Micro Networks Co.	50507
5962-8971801XX	HS3020B		1	D/A CONVERTER, 8-BIT, WITH INPUT REGISTER	Sipex Corporation	33256
5962-8978501PX	66058-003		1	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Micropac Industries	31757
5962-8978501YX	HCPL-5731#100		1	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-8978501ZA	HCPL-5731#300		1	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-8978501XX	66071-001		1	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Micropac Industries	31757
5962-8978501PX	HCPL-5731		3	OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-89785022X	HCPL-6731		2	OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	Hewlett-Packard Co.	50434
5962-89785022X	66124-001		1	OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	Micropac Industries	31757
5962-8979801XX	BUS-65142		1	REMOTE TERMINAL UNIT, DUAL REDUNDANT	ILC Data Device Corp	19645
5962-8979801YX	BUS-65144		1	REMOTE TERMINAL UNIT, DUAL REDUNDANT	ILC Data Device Corp	19645
5962-8979802XX	BUS-65143-8838		1	REMOTE TERMINAL UNIT, DUAL REDUNDANT	ILC Data Device Corp	19645
5962-8979802YX	BUS-65145-8838		1	REMOTE TERMINAL UNIT, DUAL REDUNDANT	ILC Data Device Corp	19645
5962-8979901XX	FC155391		1	DRIVER-RECEIVER, LOW-POWER	C-MAC Microcircuits	U4388
5962-8979902XX	FC155392		1	DRIVER-RECEIVER, LOW-POWER	C-MAC Microcircuits	U4388
5962-8981001YX	HCPL-5701#100		2	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN	Hewlett-Packard Co.	50434
5962-8981001XX	HCPL-5701#300		2	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN	Hewlett-Packard Co.	50434
5962-8981001PX	66058-105		1	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN	Micropac Industries	31757
5962-8981001PX	HCPL-5701		2	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN	Hewlett-Packard Co.	50434
5962-89813013A	HC1437L/883		1	OP AMP, WIDEBAND	Hycomp, Incorporated	34707
5962-8981301GX			1	OP AMP, WIDEBAND	NO APPROVED SOURCE	XXXXX
5962-8981301GC	MSK 437B		1	OP AMP, WIDEBAND	M.S Kennedy Corp.	51651
5962-8981302GC	MSK 438B		1	OP AMP, WIDEBAND	M.S Kennedy Corp.	51651
5962-8982601YC	BUS63128II		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	DDC Ireland LTD.	S7631
5962-8982601XC	BUS63127II		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	ILC Data Device Corp	19645
5962-8982601YC	BUS63128II		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	ILC Data Device Corp	19645
5962-8982601XC	BUS63127II		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	DDC Ireland LTD.	S7631
5962-8982602XX	ARX3419		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	Aeroflex Lab. Inc.	88379
5962-8982602YX	ARX3419FP		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	Aeroflex Lab. Inc.	88379
5962-8982603YX	NHI-1502FP		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	National Hybrid, Inc	57363
5962-8982603XX	NHI-1502		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	National Hybrid, Inc	57363
5962-8982604XX	NHI-1523		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	National Hybrid, Inc	57363
5962-8982604YX	NHI-1523FP		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	National Hybrid, Inc	57363
5962-8982605YX	FC1553721FP		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	C-MAC Microcircuits	U4388

-63-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-8982605XX	FC1553721		1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	C-MAC Microcircuits	U4388
5962-8982606YX			1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	NO APPROVED SOURCE	XXXXX
5962-8982606XX			1	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	NO APPROVED SOURCE	XXXXX
5962-8982607XX	FC1553722		1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 12V	C-MAC Microcircuits	U4388
5962-8982607YX	FC1552722FP		1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 12V	C-MAC Microcircuits	U4388
5962-8982608YX	FC1553726FP		1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 12V	C-MAC Microcircuits	U4388
5962-8982608XX	FC1553726		1	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 12V	C-MAC Microcircuits	U4388
5962-8985801XX	CLC206A8C		1	OP AMP, WIDEBAND, OVERDRIVE PROTECTED	Comlinear Corp.	62839
5962-8986201XC	HS9378T/S		1	D/A CONVERTER, 16-BIT, 16-BIT LINEARITY	Sipex Corporation	33256
5962-8986202XC	HS9378S/B		1	D/A CONVERTER, 16-BIT, 15-BIT LINEARITY	Sipex Corporation	33256
5962-8990801XX	SDC14565-114		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	DDC Ireland LTD.	S7631
5962-8990801ZA	SDC14565-621		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990801ZC	SDC14565-621		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990801YA	SDC14565-629		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990801YC	SDC14565-629		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990801XC	SDC14565-114		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990801XA	SDC14565-144		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990802XX	SDC14565-115		1	R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	DDC Ireland LTD.	S7631
5962-8990802ZA	SDC14565-622		1	R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990802XA	SDC14565-145		1	R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990802XC	SDC14565-115		1	R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990802YC	SDC14565-630		1	R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990802YA	SDC14565-630		1	R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990802ZC	SDC14565-622		1	R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990803XA	SDC14565-616		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990803XC	SDC14565-616		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990803ZC	SDC14565-616		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990803XC	SDC14565-616		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	DDC Ireland LTD.	S7631
5962-8990803ZC	SDC14565-616C		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990803XC	SDC14565-616		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990803ZA	SDC14565-616		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990804ZC	SDC14565-611		1	R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990804ZA	SDC14565-611		1	R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990804YA	SDC14565-609		1	R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990804YC	SDC14565-609		1	R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990804XX	SDC14566-115		1	R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0	DDC Ireland LTD.	S7631

-64-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-8990804XC	SDC14566-115		1	MINUTE ACCURACY R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990804XA	SDC14565-145		1	R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990805XC	SDC14565-618		1	R/D CONVERTER, 7.0 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	DDC Ireland LTD.	S7631
5962-8990805ZC	SDC14565-618		1	R/D CONVERTER, 7.0 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990805ZA	SDC14565-618		1	R/D CONVERTER, 7.0 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990805XC	SDC14565-618		1	R/D CONVERTER, 7.0 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990805XA	SDC14565-618		1	R/D CONVERTER, 7.0 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990806XX	HRD1066-341H/2		1	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	Natel Engineering Co	09059
5962-8990807XX	HRD1066-381V/2		1	R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	Natel Engineering Co	09059
5962-8990808XX	HRD1066-381H/2		1	R/D CONVERTER, 11.8 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	Natel Engineering Co	09059
5962-8990809ZA	SDC14565-602		1	R/D CONVERTER, 11.8V, 2.4KHz, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990809XA	SDC14565-602		1	R/D CONVERTER, 11.8V, 2.4KHz, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990809ZC	SDC14565-602		1	R/D CONVERTER, 11.8V, 2.4KHz, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990809XC	SDC14565-602		1	R/D CONVERTER, 11.8V, 2.4KHz, 1.0 MINUTE ACCURACY	ILC Data Device Corp	19645
5962-8990810ZA	SDC14565-603		1	R/D CONVERTER, 11.8V, 2.4KHz, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990810XA	SDC14565-603		1	R/D CONVERTER, 11.8V, 2.4KHz, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990810ZC	SDC14565-603		1	R/D CONVERTER, 11.8V, 2.4KHz, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8990810XC	SDC14565-603		1	R/D CONVERTER, 11.8V, 2.4KHz, 2.0 MINUTES ACCURACY	ILC Data Device Corp	19645
5962-8991001XX	CLC200A8C		1	OP AMP, HIGH-SPEED, WIDEBAND	Comlinear Corp.	62839
5962-8991101XX	CLC220A8C		1	OP AMP, HIGH-SPEED, WIDEBAND	Comlinear Corp.	62839
5962-8994001HXX	AD346SD/883		1	SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	Analog Devices, Inc	34031
5962-8994002HXC	MN346H/B		1	SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	Micro Networks Co.	50507
5962-8994002HXA	MN346H/B		1	SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	Micro Networks Co.	50507
5962-8997901XX	SP1078B		1	A/D CONVERTER, 8-BIT FLASH	Sipex Corporation	33256
5962-8998601HXX	DSC11520-112		1	DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT	ILC Data Device Corp	19645
5962-8998602HXX	DSC11520-113		1	DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT	ILC Data Device Corp	19645
5962-8998603HXX	DSC11520-114		1	DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT	ILC Data Device Corp	19645
5962-8998604HXX	DSC11520-115		1	DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT	ILC Data Device Corp	19645
5962-9049701HXX	MN5140		1	A/D CONVERTER, 8-BIT, 0 TO -10V INPUT RANGE	Micro Networks Co.	50507
5962-9049702HXX	MN5141		1	A/D CONVERTER, 8-BIT, +5V INPUT RANGE	Micro Networks Co.	50507
5962-9049703HXX	MN5142		1	A/D CONVERTER, 8-BIT, +10V INPUT RANGE	Micro Networks Co.	50507
5962-9049704HXX	MN5143		1	A/D CONVERTER, 8-BIT, 0 TO +10V INPUT RANGE	Micro Networks Co.	50507
5962-9055101XC	SDC14567IIII111		1	DR/D CONVERTER, 1.0V, 400 HZ	ILC Data Device Corp	19645

-65-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9055101XC	SDC14567-111	1	DR/D CONVERTER, 1.0V, 400 HZ	DDC Ireland LTD.	S7631
5962-9055101YX	SDC14567II11-11	1	DR/D CONVERTER, 1.0V, 400 HZ	ILC Data Device Corp	19645
5962-9055102YX	SDC14567II11-11	1	DR/D CONVERTER, 1.0 V, 400 HZ	ILC Data Device Corp	19645
5962-9055102XC	SDC14567II1112	1	DR/D CONVERTER, 1.0 V, 400 HZ	ILC Data Device Corp	19645
5962-9055102XC	SDC14567-112	1	DR/D CONVERTER, 1.0 V, 400 HZ	DDC Ireland LTD.	S7631
5962-9055103XC	SDC14567II1114	1	DR/D CONVERTER, 1.0 V, 400 HZ	ILC Data Device Corp	19645
5962-9055103XC	SDC14567-114	1	DR/D CONVERTER, 1.0 V, 400 HZ	DDC Ireland LTD.	S7631
5962-9055103YX	SDC14567II11-60	1	DR/D CONVERTER, 1.0 V, 400 HZ	ILC Data Device Corp	19645
5962-9055104XC	SDC14567-115	1	DR/D CONVERTER, 1.0 V, 400 HZ	DDC Ireland LTD.	S7631
5962-9055104XC	SDC14567II1115	1	DR/D CONVERTER, 1.0 V, 400 HZ	ILC Data Device Corp	19645
5962-9055104YX	SDC14567II11-11	1	DR/D CONVERTER, 1.0 V, 400 HZ	ILC Data Device Corp	19645
5962-9055105YX	SDC14569II11-11	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	ILC Data Device Corp	19645
5962-9055105XC	SDC14569II1111	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	ILC Data Device Corp	19645
5962-9055105XC	SDC14569-111	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	DDC Ireland LTD.	S7631
5962-9055106YX	SDC14569II11-11	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	ILC Data Device Corp	19645
5962-9055106XC	SDC14569-112	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	DDC Ireland LTD.	S7631
5962-9055106XC	SDC14569II1112	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	ILC Data Device Corp	19645
5962-9055107XC	SDC14569-114	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	DDC Ireland LTD.	S7631
5962-9055107XC	SDC14569II1114	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	ILC Data Device Corp	19645
5962-9055107YX	SDC14569II11-11	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	ILC Data Device Corp	19645
5962-9055108XC	SDC14569-115	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	DDC Ireland LTD.	S7631
5962-9055108XC	SDC14569II1115	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	ILC Data Device Corp	19645
5962-9055108YX	SDC14569II11-11	1	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	ILC Data Device Corp	19645
5962-9055401XC	HSDC8915A883B	1	VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	ILC Data Device Corp	19645
5962-9055401XX	XDC14507-628	1	VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	ILC Data Device Corp	19645
5962-9055401XC	HSDC8915A883B	1	VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	DDC Ireland LTD.	S7631
5962-9055401YX	XDC14507-628	1	VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	ILC Data Device Corp	19645
5962-9055402XX	XDC14507-627	1	VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	ILC Data Device Corp	19645
5962-9055402XC	HSDC8915883D	1	VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	DDC Ireland LTD.	S7631
5962-9055402XC	HSDC8915883B	1	VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	ILC Data Device Corp	19645
5962-9055402YX	XDC14507-627	1	VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	ILC Data Device Corp	19645
5962-9057001HXX	MN3860H/B	1	D/A CONVERTER, 12-BIT, WITH INPUT REGISTER	Micro Networks Co.	50507
5962-9057101HXC	MN7130H/B	1	SAMPLE AND HOLD AMPLIFIER, MULTIPLEXED	Micro Networks Co.	50507
5962-9057101HXA	MN7130H/B	1	SAMPLE AND HOLD AMPLIFIER, MULTIPLEXED	Micro Networks Co.	50507
5962-9063001HXX	SP9760B	1	AMPLIFIER, 16-BIT TRACK AND HOLD	Sipex Corporation	33256
5962-9063101HXX	SP9588	1	A/D CONVERTER, 14-BIT	Sipex Corporation	33256
5962-9063401HXX	ADH030-II12-1	1	D/A CONVERTER, 12-BIT	ILC Data Device Corp	19645
5962-9063601HYX		1	BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL	NO APPROVED SOURCE	XXXXX

-66-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9063601HXX		1	BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL	NO APPROVED SOURCE	XXXXX
5962-9063602HXX		1	BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL, WITH HIGH DATA BUS DRIVER CAPABILITY	NO APPROVED SOURCE	XXXXX
5962-9063602HXX		1	BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL, WITH HIGH DATA BUS DRIVER CAPABILITY	NO APPROVED SOURCE	XXXXX
5962-9063603HXX	ARX2410	1	BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL	Aeroflex Lab. Inc.	88379
5962-9063604HXX	ARX3410	1	BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL	Aeroflex Lab. Inc.	88379
5962-9063801HXX	MIOP42114/883	1	OP AMP, POWER	Micropac Industries	31757
5962-9063801HXX	PA07M/883	1	OP AMP, POWER	Apex Microtechnology	60024
5962-9065901HXX	PA12M/883	1	OP AMP, POWER	Apex Microtechnology	60024
5962-9065901HXX	MIOP42109/883	1	OP AMP, POWER	Micropac Industries	31757
5962-9066601HXX	AD9005ATM/883B	1	A/D CONVERTER, 12-BIT	Analog Devices, Inc	34031
5962-9067901HXX	MIOP42120/883	1	OP AMP, POWER	Micropac Industries	31757
5962-9067901HXX	PA02M/883	1	OP AMP, POWER	Apex Microtechnology	60024
5962-9070701HXX	SDC14500-635	1	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	ILC Data Device Corp	19645
5962-9070701HXC	SDC14500-635	1	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	DDC Ireland LTD.	S7631
5962-9070701HXC	SDC14500-635	1	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	ILC Data Device Corp	19645
5962-9070701HYX	HSDC-89171I-1-A	1	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	ILC Data Device Corp	19645
5962-9070702HXC	SDC14500-636	1	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	DDC Ireland LTD.	S7631
5962-9070702HYX	HSDC-89171I-1	1	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	ILC Data Device Corp	19645
5962-9070702HXX	SDC14500-636	1	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	ILC Data Device Corp	19645
5962-9070702HXC	SDC14500-636	1	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	ILC Data Device Corp	19645
5962-9070703HXX	SDC14502-605	1	SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	ILC Data Device Corp	19645
5962-9070703HXC	SDC14502-605	1	SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	ILC Data Device Corp	19645
5962-9070703HXC	SDC14502-605	1	SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	DDC Ireland LTD.	S7631
5962-9070703HYX	HSDC-89191I-1-A	1	SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	ILC Data Device Corp	19645
5962-9070704HYX	HSDC-89191I-1	1	SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	ILC Data Device Corp	19645
5962-9070704HXC	SDC14500-636	1	SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	DDC Ireland LTD.	S7631
5962-9070704HXC	SDC14502-606	1	SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	ILC Data Device Corp	19645
5962-9070704HXX	SDC14502-606	1	SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	ILC Data Device Corp	19645
5962-9070705HXX	HSD1024-C672H/2	1	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	Natel Engineering Co	09059
5962-9070706HXX	HSD1024-C673H/2	1	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	Natel Engineering Co	09059
5962-9070707HXX	HSD1024-C674H/2	1	SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	Natel Engineering Co	09059
5962-9070708HXX	HSD1024-C675H/2	1	SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	Natel Engineering Co	09059
5962-9072301HXX	MIOP42116/883	1	OP AMP, POWER	Micropac Industries	31757
5962-9072301HXX	PA08M/883	1	OP AMP, POWER	Apex Microtechnology	60024
5962-9073001HXX	MN376H/B	1	SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	Micro Networks Co.	50507
5962-9073001YX	HTC-0300AM/883	1	SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	Analog Devices, Inc	34031
5962-9073601HXX	PA84M/883	1	OP AMP, HIGH-VOLTAGE	Apex Microtechnology	60024

-67-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9079501HXX	HS9576S/B		1	A/D CONVERTER, 16-BIT, ± 0.006 %FSR	Sipex Corporation	33256
5962-9079502HXX	HS9576T/B		1	A/D CONVERTER, 16-BIT, ± 0.003 %FSR	Sipex Corporation	33256
5962-9079701HXX	MN7140H/B		1	DATA ACQUISITION SYSTEM, 12-BIT, 8-CHANNEL	Micro Networks Co.	50507
5962-9082001HXC	SDC14531-690		1	S-R/D CONVERTER, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9082002HXC	SDC14531-631		1	S-R/D CONVERTER, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9082003HXC	HSRD1006-C148/2		1	S-R/D CONVERTER, 11.8 V, 400 HZ	Natel Engineering Co	09059
5962-9082004HXC	HRD1006-C148A/2		1	R/D CONVERTER, 11.8 V, 400 HZ	Natel Engineering Co	09059
5962-9082005HXC	HRD1056-C775/2		1	R/D CONVERTER, 11.8 V, 400 HZ	Natel Engineering Co	09059
5962-9082801HXX	PA10M/883		1	OP AMP, POWER	Apex Microtechnology	60024
5962-9082801HXX	MIOP42115/883		1	OP AMP, POWER	Micropac Industries	31757
5962-9082901HYX	FC155371SSW		1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	C-MAC Microcircuits	U4388
5962-9082901HTX	FC155371FP		1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	C-MAC Microcircuits	U4388
5962-9082901HXX	FC155371		1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	C-MAC Microcircuits	U4388
5962-9082902HXX	FC155372		1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	C-MAC Microcircuits	U4388
5962-9082903HUX	ARX3420		1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	Aeroflex Lab. Inc.	88379
5962-9082904HUX	ARX3424		1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	Aeroflex Lab. Inc.	88379
5962-9082905HTX	NHI-1531FP		1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	National Hybrid, Inc	57363
5962-9082905HYX	NHI-1531		1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	National Hybrid, Inc	57363
5962-9082906HYX	NHI-1545		1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	National Hybrid, Inc	57363
5962-9082906HTX	NHI-1545FP		1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	National Hybrid, Inc	57363
5962-9082907HYX			1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	NO APPROVED SOURCE	XXXXX
5962-9082907HTX			1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	NO APPROVED SOURCE	XXXXX
5962-9082907HXX			1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	NO APPROVED SOURCE	XXXXX
5962-9082908HTX			1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	NO APPROVED SOURCE	XXXXX
5962-9082908HYX			1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	NO APPROVED SOURCE	XXXXX
5962-9082908HXX			1	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	NO APPROVED SOURCE	XXXXX
5962-9083301HXX	CLC201A8C		1	OP AMP, WIDEBAND, HIGH-SPEED	Comlinear Corp.	62839
5962-9083501HXX	CLC205A8C		1	OP AMP, WIDEBAND, OVERDRIVE PROTECTED	Comlinear Corp.	62839
5962-9083601HXX			1	OP AMP, HIGH-SPEED, WIDEBAND	NO APPROVED SOURCE	XXXXX
5962-9085401HPX	66126-105		1	OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT	Micropac Industries	31757

-68-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9085401HPX	HCPL-5501		1	OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT	Hewlett-Packard Co.	50434
5962-9085401HXX	HCPL-5501		1	OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT	Hewlett-Packard Co.	50434
5962-9085401HXA	HCPL-5501		1	OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT	Hewlett-Packard Co.	50434
5962-9085501HPX	HCPL-5601		1	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	Hewlett-Packard Co.	50434
5962-9085501HXX	HCPL-5601#300		1	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	Hewlett-Packard Co.	50434
5962-9085501HXX	HCPL-5601#100		1	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	Hewlett-Packard Co.	50434
5962-9090201HXX	MSK332B-12		1	BUFFER AMPLIFIER, FET-INPUT, CLOSED-LOOP, ±12V	M.S Kennedy Corp.	51651
5962-9090202HXX	MSK332B-15		1	BUFFER AMPLIFIER, FET-INPUT, CLOSED-LOOP, ±15V	M.S Kennedy Corp.	51651
5962-9094301H3A	HC9172		1	VOLT. REFERENCE, +10.000V/+1V, PRECISION	Hycomp, Incorporated	34707
5962-9095401HXX	AT02815T/CH		1	DC/DC CONVERTER, 15W, +5V AND ±15V TRIPLE OUTPUT	Lambda Adv. Analog	52467
5962-9095401HXX	AT02815TF/CH		1	DC/DC CONVERTER, 15W, +5V AND ±15V TRIPLE OUTPUT	Lambda Adv. Analog	52467
5962-9095501HXC	CLC925B8C		1	AMPLIFIER, LOGARITHMIC, DC-COUPLED DEMODULATING, 120 MHZ	Comlinear Corp.	62839
5962-9095501HXA	CLC925B8C		1	AMPLIFIER, LOGARITHMIC, DC-COUPLED DEMODULATING, 120 MHZ	Comlinear Corp.	62839
5962-9097701HXX	CLC207A8C		1	OP AMP, WIDEBAND, LOW DISTORTION	Comlinear Corp.	62839
5962-9099501HXX	CLC925B8C		1	A/D CONVERTER, 12-BIT	Comlinear Corp.	62839
5962-9099501HXA	CLC925B8C		1	A/D CONVERTER, 12-BIT	Comlinear Corp.	62839
5962-9099501HXC	CLC925B8C		1	A/D CONVERTER, 12-BIT	Comlinear Corp.	62839
9102001HXX	AFC-461/CH		1	FILTER, EMI, 4 AMP, FSC 5915	Lambda Adv. Analog	52467
9102001HXX	AFC-461F/CH		1	FILTER, EMI, 4 AMP, FSC 5915	Lambda Adv. Analog	52467
5962-9155901HXX	HDSR2056P-34VR/		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9155902HXX	HDSR2056P-34VS/		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9155903HXX	HDSR2056P-34H/2		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9155904HXX	HDSR2056P-34S/2		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9156001HXX	HSD1046-341V/2		1	S/D CONVERTER, 16-BIT, 11.8V, 400 HZ	Natel Engineering Co	09059
5962-9156002HXX	HSD1046-341H/2		1	S/D CONVERTER, 16-BIT, 11.8V, 400 HZ	Natel Engineering Co	09059
5962-9156003HXX	HSD1046-341S/2		1	S/D CONVERTER, 16-BIT, 11.8V, 400 HZ	Natel Engineering Co	09059
5962-9157401HXX	MSK 801B		1	OP AMP, FET-INPUT, DIFFERENTIAL	M.S Kennedy Corp.	51651
5962-9157501HXX	AHE2815DF/CH		1	DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	Lambda Adv. Analog	52467
5962-9157501HXX	AHE2815D/CH		1	DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	Lambda Adv. Analog	52467
5962-9157502HXX	AHE2815D/CHSLV		1	DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	Lambda Adv. Analog	52467
5962-9157502HXX	AHE2815DFCHSLV		1	DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	Lambda Adv. Analog	52467
5962-9157503HXX	AHE2815DFCHMST		1	DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	Lambda Adv. Analog	52467
5962-9157503HXX	AHE2815DCHMSTR		1	DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	Lambda Adv. Analog	52467
5962-9157901HXX	7870-01		1	DC/DC CONVERTER, 30W, 5V OUTPUT	Lambda Adv. Analog	52467
5962-9157902HXX	7870-02		1	DC/DC CONVERTER, 30W, 5V OUTPUT	Lambda Adv. Analog	52467
5962-9157903HXX	7870-03		1	DC/DC CONVERTER, 30W, 5V OUTPUT	Lambda Adv. Analog	52467
5962-9158001HXX	AHE2812SF/CH		1	DC/DC CONVERTER, 20W, 12V OUTPUT	Lambda Adv. Analog	52467
5962-9158001HXX	AHE2812S/CH		1	DC/DC CONVERTER, 20W, 12V OUTPUT	Lambda Adv. Analog	52467

-69-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9158002HZX	AHE2812SFCHSLV	1	DC/DC CONVERTER, 20W, 12V OUTPUT	Lambda Adv. Analog	52467
5962-9158002HXX	AHE2812S/CHSLV	1	DC/DC CONVERTER, 20W, 12V OUTPUT	Lambda Adv. Analog	52467
5962-9158003HXX	AHE2812SCHMSTR	1	DC/DC CONVERTER, 20W, 12V OUTPUT	Lambda Adv. Analog	52467
5962-9158003HZX	AHE2812SFCHMST	1	DC/DC CONVERTER, 20W, 12V OUTPUT	Lambda Adv. Analog	52467
5962-9160001HXX	AHF2805S/CH	1	DC/DC CONVERTER, 12W, 5V OUTPUT	Lambda Adv. Analog	52467
5962-9160101HXX	MHF-2815S/883	1	DC/DC CONVERTER, 15W, SINGLE CHANNEL	Interpoint Corp.	50821
5962-9160201HZX	ATO2812TF/CH	1	DC/DC CONVERTER, 15W, +5V, ±12V, TRIPLE OUTPUT	Lambda Adv. Analog	52467
5962-9160201HXX	ATO2812T/CH	1	DC/DC CONVERTER, 15W, +5V, ±12V, TRIPLE OUTPUT	Lambda Adv. Analog	52467
5962-9161301HZX	ATW2815D/CH	1	DC/DC CONVERTER, 30W, ±15V OUTPUT	Lambda Adv. Analog	52467
5962-9161302HZX	ATW2815D/CHSLV	1	DC/DC CONVERTER, 30W, ±15V OUTPUT	Lambda Adv. Analog	52467
5962-9161303HZX	ATW2815DCHMSTR	1	DC/DC CONVERTER, 30W, ±15V OUTPUT	Lambda Adv. Analog	52467
5962-9161401HXX	MHF-2815D/883	1	DC/DC CONVERTER, 15W, ±15V OUTPUT	Interpoint Corp.	50821
5962-9161501HXX	HSD1510-369/2	1	S/D CONVERTER, 10-BIT, 90V, 60 HZ	Natel Engineering Co	09059
5962-9162101HXX	PA83M/883	1	OP AMP, POWER	Apex Microtechnology	60024
5962-9162501HZX	AHE2815SF/CH	1	DC/DC CONVERTER, 20W, 15V OUTPUT	Lambda Adv. Analog	52467
5962-9162501HXX	AHE2815S/CH	1	DC/DC CONVERTER, 20W, 15V OUTPUT	Lambda Adv. Analog	52467
5962-9162502HZX	AHE2815SF/CHSL	1	DC/DC CONVERTER, 20W, 15V OUTPUT	Lambda Adv. Analog	52467
5962-9162502HXX	AHE2815S/CHSLV	1	DC/DC CONVERTER, 20W, 15V OUTPUT	Lambda Adv. Analog	52467
5962-9162503HZX	AHE2815SFCHMS	1	DC/DC CONVERTER, 20W, 15V OUTPUT	Lambda Adv. Analog	52467
5962-9162503HXX	AHE2815SCHMST	1	DC/DC CONVERTER, 20W, 15V OUTPUT	Lambda Adv. Analog	52467
5962-9166401HXX	MHF-2815S/883	1	DC/DC CONVERTER, 15W, 12V OUTPUT	Interpoint Corp.	50821
5962-9166501HXX	CLC232ABC	1	OP AMP, WIDEBAND, LOW DISTORTION	Comlinear Corp.	62839
5962-9167601HXX	66079-001	1	OPTOCOUPLER, SINGLE-CHANNEL	Micropac Industries	31757
5962-9167601HXX	66079-000	1	OPTOCOUPLER, SINGLE-CHANNEL	Micropac Industries	31757
5962-9168701HXX	NHI-1553RTFP	1	REMOTE TERMINAL, MIL-STD-1553B	National Hybrid, Inc	57363
5962-9168701HXX	NHI-1553RT	1	REMOTE TERMINAL, MIL-STD-1553B	National Hybrid, Inc	57363
5962-9168702HXX	NHI-1554RTFP	1	REMOTE TERMINAL, MIL-STD-1553B	National Hybrid, Inc	57363
5962-9168702HXX	NHI-1554RT	1	REMOTE TERMINAL, MIL-STD-1553B	National Hybrid, Inc	57363
5962-9168703HXX	NHI-1561RT	1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	National Hybrid, Inc	57363
5962-9168703HXX	NHI-1561RTFP	1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	National Hybrid, Inc	57363
5962-9168703HXX	NHI-1561RTFP	1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	National Hybrid, Inc	57363
5962-9168703HXX	NHI-1561RT	1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	National Hybrid, Inc	57363
5962-9168704HXX	NHI-1562RT	1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	National Hybrid, Inc	57363
5962-9168704HXX	NHI-1562RTFP	1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	National Hybrid, Inc	57363
5962-9168704HXX	NHI-1562RTFP	1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	National Hybrid, Inc	57363
5962-9168704HXX	NHI-1562RT	1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	National Hybrid, Inc	57363
5962-9168705HXX	NHI-1572RT/883	1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT, SEPARATE VCC FOR INTERNAL RAM	National Hybrid, Inc	57363

-70-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9168705HXX		1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT, SEPARATE VCC FOR INTERNAL RAM	NO APPROVED SOURCE	XXXXX
5962-9168706HXX	NHI-1576RT/883	1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT, SEPARATE INPUT PIN FOR SSFLAG	National Hybrid, Inc	57363
5962-9168706HXX		1	REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT, SEPARATE INPUT PIN FOR SSFLAG	NO APPROVED SOURCE	XXXXX
5962-9170001HXX	PA09M/883	1	OP AMP, POWER	Apex Microtechnology	60024
5962-9170001HXX	MIOP42119/883	1	OP AMP, POWER	Micropac Industries	31757
5962-9171201HXX	AD1385TD/883B	1	A/D CONVERTER, 16-BIT, SAMPLING, 400 HKZ	Analog Devices, Inc	34031
5962-9173401HZX	BUS61569	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173401HXX	BUS61559	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173401HXX	BUS61569	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173402HZX	BUS61570	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173402HXX	BUS61570	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173402HXX	BUS61560	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173403HXX	BUS61571	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173403HXX	BUS61561	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173403HZX	BUS61571	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173404HXX	BUS61569-601	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173404HXX	BUS61559-601	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173404HZX	BUS61569-601	1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	ILC Data Device Corp	19645
5962-9173601HXX	SDC14600-112	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9173602HXX	SDC14600T-112	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9173603HXX	SDC14601-112	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9173604HXX	SDC14601T-112	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9173605HXX	SDC14605-112	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9173606HXX	SDC14605T-112	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9173607HXX	SDC14606-112	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9173608HXX	SDC14606T-112	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9173609HXX	SDC14605-114	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9173610HXX	SDC14605T-112	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9173611HXX	SDC14606-114	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9173612HXX	SDC14606T-112	1	S/D CONVERTER, 14-BIT, 11.8V	ILC Data Device Corp	19645
5962-9174901HXX	NHI-1514/883	1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	National Hybrid, Inc	57363
5962-9174901HXX	NHI-1514FP/883	1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	National Hybrid, Inc	57363
5962-9174902HXX	NHI-1513/883	1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	National Hybrid, Inc	57363
5962-9174902HXX	NHI-1513FP/883	1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	National Hybrid, Inc	57363

-71-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9174903HXC	BUS-63102-883B	1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	DDC Ireland LTD.	57631
5962-9174903HXA	BUS-63102-637	1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	DDC Ireland LTD.	57631
5962-9174903HYX		1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	NO APPROVED SOURCE	XXXXX
5962-9174903HXA	BUS-63102II-637	1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	ILC Data Device Corp	19645
5962-9174903HXC	BUS-63102II-883B	1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	ILC Data Device Corp	19645
5962-9174904HYX		1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	NO APPROVED SOURCE	XXXXX
5962-9174904HXX		1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	NO APPROVED SOURCE	XXXXX
5962-9174905HZX	MR3231MP5	1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	Micro-Rel Division	8K957
5962-9174905HUX		1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	NO APPROVED SOURCE	XXXXX
5962-9174906HUX		1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	NO APPROVED SOURCE	XXXXX
5962-9174906HZX	MR3232MP2	1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	Micro-Rel Division	8K957
5962-9174907HUX		1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	NO APPROVED SOURCE	XXXXX
5962-9174907HZX	MR3232MP5	1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	Micro-Rel Division	8K957
5962-9174908HTX	ARX4407LPFP	1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	Aeroflex Lab. Inc.	88379
5962-9174908HYX	ARX4407FP	1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	Aeroflex Lab. Inc.	88379
5962-9174908HXX	ARX4407	1	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	Aeroflex Lab. Inc.	88379
5962-9174909HXX	ARX4404	1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	Aeroflex Lab. Inc.	88379
5962-9174909HTX	ARX4404LPFP	1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	Aeroflex Lab. Inc.	88379
5962-9174909HYX	ARX4404LP	1	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	Aeroflex Lab. Inc.	88379
5962-9177001HXC	MN6400T/B	1	A/D CONVERTER, 16-BIT SAMPLING	Micro Networks Co.	50507
5962-9177001HXA	MN6400T/B	1	A/D CONVERTER, 16-BIT SAMPLING	Micro Networks Co.	50507
5962-9177301HZX	AHV2805SF/CH	1	DC/DC CONVERTER, 15W, 5V OUTPUT	Lambda Adv. Analog	52467
5962-9204001HZX	AHE2812DF/CH	1	DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	Lambda Adv. Analog	52467
5962-9204001HXX	AHE2812D/CH	1	DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	Lambda Adv. Analog	52467
5962-9204002HXX	AHE2812D/CHSLV	1	DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	Lambda Adv. Analog	52467
5962-9204002HZX	AHE2812DFCHSLV	1	DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	Lambda Adv. Analog	52467
5962-9204003HZX	AHE2812DFCHMST	1	DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	Lambda Adv. Analog	52467
5962-9204003HXX	AHE2812DCHMSTR	1	DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	Lambda Adv. Analog	52467

-72-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9204801HXX	SDC14570-112		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9204802HXX	SDC14571-112		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9204803HXX	SDC14575-112		1	S/D CONVERTER, 14/16-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9204804HXX	SDC14576-112		1	S/D CONVERTER, 14/16-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9204805HXX	SDC14575-114		1	S/D CONVERTER, 14/16-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9204806HXX	SDC14576-114		1	S/D CONVERTER, 14/16-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9204901HXX	SDC14572-112		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9204902HXX	SDC14574-112		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9204903HXX	SDC14577-112		1	S/D CONVERTER, 14/16-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9204904HXX	SDC14579-112		1	S/D CONVERTER, 14/16-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9204905HXX	SDC14577-114		1	S/D CONVERTER, 14/16-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9204906HXX	SDC14579-114		1	S/D CONVERTER, 14/16-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205001HXX	SDC14573-112		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205002HXX	SDC14578-112		1	DIRECT RESOLVER CONVERTER, 14/16-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205003HXX	SDC14578-114		1	DIRECT RESOLVER CONVERTER, 14/16-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205101HXX	SDC14602-112		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205102HXX	SDC14602T-112		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205103HXX	SDC14604-112		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205104HXX	SDC14604T-112		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205105HXX	SDC14607-112		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205106HXX	SDC14607T-112		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205107HXX	SDC14609-112		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205108HXX	SDC14609T-112		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205109HXX	SDC14607-114		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205110HXX	SDC14607T-114		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205111HXX	SDC14609-114		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205112HXX	SDC14609T-114		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205201HXX	SDC14603-112		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205202HXX	SDC14603T-112		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205203HXX	SDC14608-112		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205204HXX	SDC14608T-112		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205205HXX	SDC14608-114		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205206HXX	SDC14608T-114		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205301HXX	SDC14610-112		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9205302HXX	SDC14610T-112		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9205303HXX	SDC14611-112		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9205304HXX	SDC14611T-112		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9205305HXX	SDC14615-112		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645

-73-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9205306HXX	SDC14615T-112		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9205307HXX	SDC14616-112		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9205308HXX	SDC14616T-112		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9205309HXX	SDC14615-114		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9205310HXX	SDC14615T-114		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9205311HXX	SDC14616-114		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9205312HXX	SDC14616T-114		1	S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	ILC Data Device Corp	19645
5962-9205401HXX	SDC14612-112		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205402HXX	SDC14612T-112		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205403HXX	SDC14614-112		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205404HXX	SDC14614T-112		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205405HXX	SDC14617-112		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205406HXX	SDC14617T-112		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205407HXX	SDC14619-112		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205408HXX	SDC14619T-112		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205409HXX	SDC14617-114		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205410HXX	SDC14617T-114		1	S/D CONVERTER, 14-BIT, 90V, 400 HZ	ILC Data Device Corp	19645
5962-9205411HXX	SDC14619-114		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205412HXX	SDC14619T-114		1	S/D CONVERTER, 14-BIT, 90V, 60 HZ	ILC Data Device Corp	19645
5962-9205501HXX	SDC14613-112		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205502HXX	SDC14613T-112		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205503HXX	SDC14618-112		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205504HXX	SDC14618T-112		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205505HXX	SDC14618-114		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9205506HXX	SDC14618T-114		1	DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	ILC Data Device Corp	19645
5962-9206101HYX			1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, $\pm 5V$ (HARRIS INTERFACE)	NO APPROVED SOURCE	XXXXX
5962-9206101HZX			1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, $\pm 5V$ (HARRIS INTERFACE)	NO APPROVED SOURCE	XXXXX
5962-9206101HXX			1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, $\pm 5V$ (HARRIS INTERFACE)	NO APPROVED SOURCE	XXXXX
5962-9206102HXX			1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V (SMITH INTERFACE)	NO APPROVED SOURCE	XXXXX
5962-9206102HZX			1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V (SMITH INTERFACE)	NO APPROVED SOURCE	XXXXX
5962-9206102HYX			1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V (SMITH INTERFACE)	NO APPROVED SOURCE	XXXXX
5962-9206103HNC	NHI-1567FP		1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	National Hybrid, Inc	57363
5962-9206103HZC	NHI-1573FP		1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	National Hybrid, Inc	57363
5962-9206103HMC	NHI-1567		1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	National Hybrid, Inc	57363
5962-9206103HZA	NHI-1573FP		1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	National Hybrid, Inc	57363

-74-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9206103HMA	NHI-1567	1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	National Hybrid, Inc	57363
5962-9206103HTX	NHI-1559/883	1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	National Hybrid, Inc	57363
5962-9206103HUX	NHI-1559FP/883	1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	National Hybrid, Inc	57363
5962-9206103HNA	NHI-1567FP	1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	National Hybrid, Inc	57363
5962-9206104HNC	NHI-1568FP	1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206104HMC	NHI-1568	1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206104HTX	NHI-1560/883	1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206104HZC	NHI-1574FP	1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206104HZA	NHI-1574FP	1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206104HNA	NHI-1568FP	1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206104HMA	NHI-1568	1	TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206105HNA	NHI-1569FP	1	TRANSCEIVER, MacAir, STANDBY LOW	National Hybrid, Inc	57363
5962-9206105HNC	NHI-1569FP	1	TRANSCEIVER, MacAir, STANDBY LOW	National Hybrid, Inc	57363
5962-9206105HMA	NHI-1569	1	TRANSCEIVER, MacAir, STANDBY LOW	National Hybrid, Inc	57363
5962-9206105HMC	NHI-1569	1	TRANSCEIVER, MacAir, STANDBY LOW	National Hybrid, Inc	57363
5962-9206105HTX	NHI-1563/883	1	TRANSCEIVER, MacAir, STANDBY LOW	National Hybrid, Inc	57363
5962-9206105HUX	NHI-1563FP/883	1	TRANSCEIVER, MacAir, STANDBY LOW	National Hybrid, Inc	57363
5962-9206106HNA	NHI-1570FP	1	TRANSCEIVER, MacAir, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206106HNC	NHI-1570FP	1	TRANSCEIVER, MacAir, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206106HUX	NHI-1577FP/883	1	TRANSCEIVER, MacAir, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206106HMA	NHI-1570	1	TRANSCEIVER, MacAir, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206106HMC	NHI-1570	1	TRANSCEIVER, MacAir, STANDBY HIGH	National Hybrid, Inc	57363
5962-9206106HTX	NHI-1577/883	1	TRANSCEIVER, MacAir, STANDBY HIGH	National Hybrid, Inc	57363
5962-9207301HXA	MN5100H/B	1	A/D CONVERTER, 8-BIT, 1.5 μ S	Micro Networks Co.	50507
5962-9207301HXC	MN5100H/B	1	A/D CONVERTER, 8-BIT, 1.5 μ S	Micro Networks Co.	50507
5962-9207302HXC	MN5101H/B	1	A/D CONVERTER, 8-BIT, 900 NS	Micro Networks Co.	50507
5962-9207302HXA	MN5101H/B	1	A/D CONVERTER, 8-BIT, 900 NS	Micro Networks Co.	50507
5962-9207801HXC	WS-512K8-120CQ	1	STATIC RAM, 512K X 8, 120 NS ACCESS TIME	White Microelect.	54230
5962-9207802HXC	WS-512K8-100CQ	1	STATIC RAM, 512K X 8, 100 NS ACCESS TIME	White Microelect.	54230
5962-9207803HXC	WS-512K8-85CQ	1	STATIC RAM, 512K X 8, 85 NS ACCESS TIME	White Microelect.	54230
5962-9207804HXC	WS-512K8-70CQ	1	STATIC RAM, 512K X 8, 70 NS ACCESS TIME	White Microelect.	54230
5962-9207805HXC	WS-512K8-55CQ	1	STATIC RAM, 512K X 8, 55 NS ACCESS TIME	White Microelect.	54230
5962-9207806HXC	WS-512K8-45CQ	1	STATIC RAM, 512K X 8, 45 NS ACCESS TIME	White Microelect.	54230
5962-9207807HXC	WS-512K8-35CQ	1	STATIC RAM, 512K X 8, 35 NS ACCESS TIME	White Microelect.	54230
5962-9207808HXC	WS-512K8-25CQ	1	STATIC RAM, 512K X 8, 25 NS ACCESS TIME	White Microelect.	54230
5962-9208501HXX	NHI-1551/883	1	DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	National Hybrid, Inc	57363
5962-9208501HYX	NHI-1551FP/883	1	DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	National Hybrid, Inc	57363

-75-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE 1

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9208502HYX	ARX4451FP		1	DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	Aeroflex Lab. Inc.	88379
5962-9208502HXX	ARX4451		1	DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	Aeroflex Lab. Inc.	88379
5962-9208503HYX	ARX4418FP		1	DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	Aeroflex Lab. Inc.	88379
5962-9208503HXX	ARX4418		1	DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	Aeroflex Lab. Inc.	88379
5962-9208504HXX	NHI-1515/883		1	DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	National Hybrid, Inc	57363
5962-9208504HYX	NHI-1515FP/883		1	DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	National Hybrid, Inc	57363
5962-9210901HZX	ATW2812D/CH		1	DC/DC CONVERTER, 30W, $\pm 12V$	Lambda Adv. Analog	52467
5962-9210902HZX	ATW2812D/CHSLV		1	DC/DC CONVERTER, 30W, $\pm 12V$	Lambda Adv. Analog	52467
5962-9210903HZX	ATW2812CHMSTR		1	DC/DC CONVERTER, 30W, $\pm 12V$	Lambda Adv. Analog	52467
5962-9211101HXX	AHF2812D/CH		1	DC/DC CONVERTER, 12W, $\pm 12V$ OUTPUT	Lambda Adv. Analog	52467
5962-9211201HZA	AHV2812SF/CH		1	DC/DC CONVERTER, 15W, 12V OUTPUT	Lambda Adv. Analog	52467
5962-9211501HZX	AHV2812TF/CH		1	DC/DC CONVERTER, 15W, +5V, $\pm 12V$ TRIPLE OUTPUT	Lambda Adv. Analog	52467
5962-9211601HZX	AHV2815T/CH		1	DC/DC CONVERTER, 15W, +5V, $\pm 15V$ TRIPLE OUTPUT	Lambda Adv. Analog	52467
5962-9213801HXX	HSRD-1006-341VR		1	S-R/D CONVERTER, 11.8V, 400 HZ	Natel Engineering Co	09059
5962-9213802HXX	HSRD-1006-341VS		1	S-R/D CONVERTER, 11.8V, 400 HZ	Natel Engineering Co	09059
5962-9213803HXX	HSRD-1006-341H		1	S-R/D CONVERTER, 11.8V, 400 HZ	Natel Engineering Co	09059
5962-9213804HXX	HSRD-1006-341S		1	S-R/D CONVERTER, 11.8V, 400 HZ	Natel Engineering Co	09059
5962-9213901HXX	MHF-2805S/883		1	DC/DC CONVERTER, 12W, 5V OUTPUT	Interpoint Corp.	50821
5962-9214401HXX	MHF-2812D/883		1	DC/DC CONVERTER, 15W, $\pm 12V$ OUTPUT	Interpoint Corp.	50821
5962-9215201HXA	PA21M/883		1	OP AMP, DUAL, HIGH POWER, WIDE COMMON MODE RANGE	Apex Microtechnology	60024
5962-9215201HXC	PA21M/883		1	OP AMP, DUAL, HIGH POWER, WIDE COMMON MODE RANGE	Apex Microtechnology	60024
5962-9215901HZX	ATR2815TF/CH		1	DC/DC CONVERTER, 30W, +5V, $\pm 15V$ TRIPLE OUTPUT	Lambda Adv. Analog	52467
5962-9216201HXX	BUS65153		1	BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT	ILC Data Device Corp	19645
5962-9216201HYX	BUS65163		1	BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT	ILC Data Device Corp	19645
5962-9216202HXX	BUS65154		1	BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT	ILC Data Device Corp	19645
5962-9216202HYX	BUS65164		1	BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT	ILC Data Device Corp	19645
5962-9225301HXC	MN6450T/B		1	A/D CONVERTER, 16-BIT SAMPLING	Micro Networks Co.	50507
5962-9225301HXA	MN6450T/B		1	A/D CONVERTER, 16-BIT SAMPLING	Micro Networks Co.	50507
5962-9230401HYX			1	REMOTE TERMINAL, MUX BUS, MIL-STD-1553B	NO APPROVED SOURCE	XXXXX
5962-9230401HXX			1	REMOTE TERMINAL, MUX BUS, MIL-STD-1553B	NO APPROVED SOURCE	XXXXX
5962-9235101HXX	AHF2815D/CH		1	DC/DC CONVERTER, 12W, $\pm 15V$ OUTPUT	Lambda Adv. Analog	52467
5962-9306501HZX	BU-65170J1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306501HYX	BU-65170F1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306501HXX	BU-65170D1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM,	ILC Data Device Corp	19645

-76-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9306502HZX	BU-65170J2		1	+5/-15V TRANSCEIVER MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306502HXX	BU-65170D2		1	MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306502HYY	BU-65170F2		1	MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306503HXX	BU-61580F1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306503HZX	BU-61580J1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306503HXX	BU-61580D1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306504HZX	BU-61580J2		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306504HXX	BU-61580F2		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306504HXX	BU-61580D2		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306505HXX	BU-65171D1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306505HXX	BU-65171F1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306505HZX	BU-65171J1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306506HXX	BU-65171D2		1	MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306506HXX	BU-65171F2		1	MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306506HZX	BU-65171J2		1	MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306507HXX	BU-61581F1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306507HZX	BU-61581J1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306507HXX	BU-61581D1		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306508HXX	BU-61581D2		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306508HXX	BU-61581F2		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306508HZX	BU-61581J2		1	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER	ILC Data Device Corp	19645
5962-9306801HZX	MTR2805SF/883		1	DC/DC CONVERTER, 25W, 5V OUTPUT	Interpoint Corp.	50821
5962-9306801HXX	MTR2805S/883		1	DC/DC CONVERTER, 25W, 5V OUTPUT	Interpoint Corp.	50821
5962-9306901HZX	MTR2812SF/883		1	DC/DC CONVERTER, 30W, 12V OUTPUT	Interpoint Corp.	50821
5962-9306901HXX	MTR2812S/883		1	DC/DC CONVERTER, 30W, 12V OUTPUT	Interpoint Corp.	50821
5962-9307001HZX	MTR2815SF/883		1	DC/DC CONVERTER, 30W, 15V OUTPUT	Interpoint Corp.	50821
5962-9307001HXX	MTR2815S/883		1	DC/DC CONVERTER, 30W, 15V OUTPUT	Interpoint Corp.	50821

-77-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRPTION	SOURCE(S)	CAGE CODE
5962-9307101HXX	MTR2812D/883		1	DC/DC CONVERTER, 30W, $\pm 12V$ OUTPUT	Interpoint Corp.	50821
5962-9307101HZX	MTR2812DF/883		1	DC/DC CONVERTER, 30W, $\pm 12V$ OUTPUT	Interpoint Corp.	50821
5962-9307201HXX	MTR2815D/883		1	DC/DC CONVERTER, 30W, $\pm 15V$ OUTPUT	Interpoint Corp.	50821
5962-9307201HZX	MTR2815DF/883		1	DC/DC CONVERTER, 30W, $\pm 15V$ OUTPUT	Interpoint Corp.	50821
5962-9308901HXX	MSA2812D/883		1	DC/DC CONVERTER, DUAL CHANNEL, 5W, $\pm 12V$ OUTPUT	Interpoint Corp.	50821
5962-9309001HXX	MSA2815D/883		1	DC/DC CONVERTER, 5W, $\pm 15V$ OUTPUT	Interpoint Corp.	50821
5962-9309101HXC	WE-512K8-150CQ		1	PROM, ELECTR. ERASABLE, 512K X 8, 150 NS ACCESS TIME	White Microelect.	54230
5962-9309102HXC	WE-512K8-300CQ		1	PROM, ELECTR. ERASABLE, 512K X 8, 300 NS ACCESS TIME	White Microelect.	54230
5962-9309103HXC	WE-512K8-250CQ		1	PROM, ELECTR. ERASABLE, 512K X 8, 250 NS ACCESS TIME	White Microelect.	54230
5962-9309104HXC	WE-512K8-200CQ		1	PROM, ELECTR. ERASABLE, 512K X 8, 200 NS ACCESS TIME	White Microelect.	54230
5962-9309201HXX	MSA2805S/883		1	DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT	Interpoint Corp.	50821
5962-9309301HXX	MSA2812S/883		1	DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT	Interpoint Corp.	50821
5962-9309401HXX	MSA2815S/883		1	DC/DC CONVERTER, 5W, +15V OUTPUT	Interpoint Corp.	50821
5962-9313401HXX	ARX5006		1	VOLT. REGULATOR	Aeroflex Lab. Inc.	88379
5962-9313401HXX	CJSE298		1	VOLT. REGULATOR	Solitron Devices	21845
5962-9313402HXX	CJSE299		1	VOLT. REGULATOR	Solitron Devices	21845
5962-9313402HXX	ARX5007		1	VOLT. REGULATOR	Aeroflex Lab. Inc.	88379
5962-9313403HXX	CJSE300		1	VOLT. REGULATOR	Solitron Devices	21845
5962-9313403HXX	ARX5008		1	VOLT. REGULATOR	Aeroflex Lab. Inc.	88379
5962-9313404HXX	CJSE301		1	VOLT. REGULATOR	Solitron Devices	21845
5962-9313404HXX	ARX5009		1	VOLT. REGULATOR	Aeroflex Lab. Inc.	88379
5962-9313405HXX	ARX5010		1	VOLT. REGULATOR	Aeroflex Lab. Inc.	88379
5962-9313405HXX	CJSE321		1	VOLT. REGULATOR	Solitron Devices	21845
5962-9313406HXX	ARX5011		1	VOLT. REGULATOR	Aeroflex Lab. Inc.	88379
5962-9313406HXX	CJSE322		1	VOLT. REGULATOR	Solitron Devices	21845
5962-9314001HXA	HSSR-7111#300		1	OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET	Hewlett-Packard Co.	50434
5962-9314001HZX	HSSR-7111#600		1	OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET	Hewlett-Packard Co.	50434
5962-9314001HYX	HSSR-7111#100		1	OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET	Hewlett-Packard Co.	50434
5962-9314001HZA	HSSR-7111#600		2	OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET	Hewlett-Packard Co.	50434
5962-9314001HPX	HSSR-7111		1	OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET	Hewlett-Packard Co.	50434
5962-9315401HXC	WE-128K8-200CQ		1	PROM, ELECTR. ERASABLE, 128K X 8, 200 NS ACCESS TIME	White Microelect.	54230
5962-9315402HXC	WE-128K8-150CQ		1	PROM, ELECTR. ERASABLE, 128K X 8, 150 NS ACCESS TIME	White Microelect.	54230
5962-9315501HXC	WE-256K8-200CQ		1	PROM, ELECTR. ERASABLE, 256K X 8, 200 NS ACCESS TIME	White Microelect.	54230
5962-9315502HXC	WE-256K8-150CQ		1	PROM, ELECTR. ERASABLE, 256K X 8, 150 NS ACCESS TIME	White Microelect.	54230
5962-9315601HXC	WS-128K8-120CQ		1	STATIC RAM, 128K X 8, 120 NS ACCESS TIME	White Microelect.	54230
5962-9315602HXC	WS-128K8-100CQ		1	STATIC RAM, 128K X 8, 100 NS ACCESS TIME	White Microelect.	54230
5962-9315603HXC	WS-128K8-85CQ		1	STATIC RAM, 128K X 8, 85 NS ACCESS TIME	White Microelect.	54230
5962-9315604HXC	WS-128K8-70CQ		1	STATIC RAM, 128K X 8, 70 NS ACCESS TIME	White Microelect.	54230

-78-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/ ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9315605HXC	WS-128K8-55CQ	1	STATIC RAM, 128K X 8, 55 NS ACCESS TIME	White Microelect.	54230
5962-9315606HXC	WS-128K8-45CQ	1	STATIC RAM, 128K X 8, 45 NS ACCESS TIME	White Microelect.	54230
5962-9315607HXC	WS-128K8-35CQ	1	STATIC RAM, 128K X 8, 35 NS ACCESS TIME	White Microelect.	54230
5962-9315608HXC	WS-128K8-25CQ	1	STATIC RAM, 128K X 8, 25 NS ACCESS TIME	White Microelect.	54230
5962-9315701HXC	WS-256K8-120CQ	1	STATIC RAM, 256K X 8, 120 NS ACCESS TIME	White Microelect.	54230
5962-9315702HXC	WS-256K8-100CQ	1	STATIC RAM, 256K X 8, 100 NS ACCESS TIME	White Microelect.	54230
5962-9315703HXC	WS-256K8-85CQ	1	STATIC RAM, 256K X 8, 85 NS ACCESS TIME	White Microelect.	54230
5962-9315704HXC	WS-256K8-70CQ	1	STATIC RAM, 256K X 8, 70 NS ACCESS TIME	White Microelect.	54230
5962-9315705HXC	WS-256K8-55CQ	1	STATIC RAM, 256K X 8, 55 NS ACCESS TIME	White Microelect.	54230
5962-9315706HXC	WS-256K8-45CQ	1	STATIC RAM, 256K X 8, 45 NS ACCESS TIME	White Microelect.	54230
5962-9315707HXC	WS-256K8-35CQ	1	STATIC RAM, 256K X 8, 35 NS ACCESS TIME	White Microelect.	54230
5962-9315708HXC	WS-256K8-25CQ	1	STATIC RAM, 256K X 8, 25 NS ACCESS TIME	White Microelect.	54230
5962-9315801HZX	ATR2812TF/CH	1	DC/DC CONVERTER, 30W, +5V, ±12V TRIPLE OUTPUT	Lambda Adv. Analog	52467
5962-9316101HXX	MFL28155/883	1	DC/DC CONVERTER, 65W, 15V OUTPUT	Interpoint Corp.	50821
5962-9316201HXX	MFL2812S/883	1	DC/DC CONVERTER, 60W, 12V OUTPUT	Interpoint Corp.	50821
5962-9316301HXX	MFL2805S/883	1	DC/DC CONVERTER, 50W, 5V OUTPUT	Interpoint Corp.	50821
5962-9318701HUC	WS-128K32-120HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318701HYC	WS-128K32-120HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318701HTC	WS-128K32-120HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318701HXC	WS-128K32-120HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318702HXC	WS-128K32-100HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318702HUC	WS-128K32-100HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318702HTC	WS-128K32-100HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318702HYC	WS-128K32-100HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318703HTC	WS-128K32-85HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318703HYC	WS-128K32-85HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318703HUC	WS-128K32-85HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318703HXC	WS-128K32-85HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318704HUC	WS-128K32-70HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318704HXC	WS-128K32-70HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318704HYC	WS-128K32-70HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318704HTC	WS-128K32-70HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318705HYC	WS-128K32-55HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318705HTC	WS-128K32-55HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318705HXC	WS-128K32-55HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318705HUC	WS-128K32-55HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318706HTC	WS-128K32-45HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318706HUC	WS-128K32-45HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230

-79-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9318706HXC	WS-128K32-45HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318706HYC	WS-128K32-45HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318707HXC	WS-128K32-35HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318707HYC	WS-128K32-35HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318707HUC	WS-128K32-35HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318707HTC	WS-128K32-35HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318708HYC	WS-128K32-25HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318708HUC	WS-128K32-25HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318708HXC	WS-128K32-25HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318708HTC	WS-128K32-25HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318709HYC	WS-128K32-20HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318709HUC	WS-128K32-20HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318709HXC	WS-128K32-20HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9318709HTC	WS-128K32-20HQ	1	SRAM, 128K X 32-BIT	White Microelect.	54230
5962-9319101HXX	MFL2805D/883	1	DC/DC CONVERTER, 50W, 5V OUTPUT	Interpoint Corp.	50821
5962-9319201HXX	MFL2812D/883	1	DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT	Interpoint Corp.	50821
5962-9319301HXX	MFL2815D/883	1	DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT	Interpoint Corp.	50821
5962-9320201HZX	MTR2818SF/883	1	DC/DC CONVERTER, 30W, 18V OUTPUT	Interpoint Corp.	50821
5962-9320201HXX	MTR2818S/883	1	DC/DC CONVERTER, 30W, 18V OUTPUT	Interpoint Corp.	50821
5962-9320501HZX	MTR2805DF/883	1	DC/DC CONVERTER, 25W, ±5V OUTPUT	Interpoint Corp.	50821
5962-9320501HXX	MTR2805D/883	1	DC/DC CONVERTER, 25W, ±5V OUTPUT	Interpoint Corp.	50821
9401001HZX	FMC-461F/883	1	FILTER, EMI, 2.7A, FSC 5915	Interpoint Corp.	50821
9401001HXX	FMC-461/883	1	FILTER, EMI, 2.7A, FSC 5915	Interpoint Corp.	50821
9401002HZX	FMC-461FNT/883	1	FILTER, EMI, 2.7A (TRANSORBLESS), FSC 5915	Interpoint Corp.	50821
9401002HXX	FMC-461NT/883	1	FILTER, EMI, 2.7A (TRANSORBLESS), FSC 5915	Interpoint Corp.	50821
94028	FM-704A/883	1	FILTER, EMI, TRANSIENT SUPPRESSION MODULE, FSC 5915	Interpoint Corp.	50821
5962-9450601HXX	MX-826/883	1	ANALOG MULTIPLEXER	DateI Incorporated	50721
5962-9453601HXC	SD-14620DX-112	1	S/D CONVERTER, 11.8V, 400HZ, 4 MIN	ILC Data Device Corp	19645
5962-9453601HXA	SD-14620DX-142	1	S/D CONVERTER, 11.8V, 400HZ, 4 MIN	ILC Data Device Corp	19645
5962-9453602HXC	SD-14621DX-112	1	R/D CONVERTER, 11.8V, 400HZ, 4 MIN	ILC Data Device Corp	19645
5962-9453602HXA	SD-14621DX-142	1	R/D CONVERTER, 11.8V, 400HZ, 4 MIN	ILC Data Device Corp	19645
5962-9453603HXC	SD-14620DX-114	1	S/D CONVERTER, 11.8V, 400HZ, 2 MIN	ILC Data Device Corp	19645
5962-9453603HXA	SD-14620DX-144	1	S/D CONVERTER, 11.8V, 400HZ, 2 MIN	ILC Data Device Corp	19645
5962-9453604HXA	SD-14621DX-144	1	R/D CONVERTER, 11.8V, 400HZ, 2 MIN	ILC Data Device Corp	19645
5962-9453604HXC	SD-14621DX-114	1	R/D CONVERTER, 11.8V, 400HZ, 2 MIN	ILC Data Device Corp	19645
5962-9453605HXA	SDC-14621-602	1	R/D CONVERTER, 6.8V, 400HZ, 2 MIN	ILC Data Device Corp	19645
5962-9453605HXC	SDC-14621-602	1	R/D CONVERTER, 6.8V, 400HZ, 2 MIN	ILC Data Device Corp	19645
5962-9454701HXC	SD-14622DX-112	1	S/D CONVERTER, 90V, 400 HZ, 4 MIN	ILC Data Device Corp	19645

-80-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9454701HXA	SD-14622DX-142	1	S/D CONVERTER, 90V, 400 HZ, 4 MIN	ILC Data Device Corp	19645
5962-9454702HXA	SD-14624DX-142	1	S/D CONVERTER, 90V, 60 HZ, 4 MIN	ILC Data Device Corp	19645
5962-9454702HXC	SD-14624DX-112	1	S/D CONVERTER, 90V, 60 HZ, 4 MIN	ILC Data Device Corp	19645
5962-9454703HXA	SD-14622DX-144	1	S/D CONVERTER, 90V, 400 HZ, 2 MIN	ILC Data Device Corp	19645
5962-9454703HXC	SD-14622DX-114	1	S/D CONVERTER, 90V, 400 HZ, 2 MIN	ILC Data Device Corp	19645
5962-9454704HXA	SD-14624DX-144	1	S/D CONVERTER, 90V, 60 HZ, 2 MIN	ILC Data Device Corp	19645
5962-9454704HXC	SD-14624DX-114	1	S/D CONVERTER, 90V, 60 HZ, 2 MIN	ILC Data Device Corp	19645
5962-9454801HXA	SD-14623DX-142	1	DIRECT CONVERTER, 2V, 400 HZ, 4 MIN	ILC Data Device Corp	19645
5962-9454801HXC	SD-14623DX-112	1	DIRECT CONVERTER, 2V, 400 HZ, 4 MIN	ILC Data Device Corp	19645
5962-9454802HXC	SD-14623DX-114	1	DIRECT CONVERTER, 2V, 400 HZ, 2 MIN	ILC Data Device Corp	19645
5962-9454802HXA	SD-14623DX-144	1	DIRECT CONVERTER, 2V, 400 HZ, 2 MIN	ILC Data Device Corp	19645
5962-9458501HXC	WE-128K32-300HQ	1	EEPROM, 128K X 32-bit, 300nS	White Microelect.	54230
5962-9458501HYC	WE-128K32-300HQ	1	EEPROM, 128K X 32-bit, 300nS	White Microelect.	54230
5962-9458501HUC	WE-128K32N-300HQ	1	EEPROM, 128K X 32-bit, 300nS	White Microelect.	54230
5962-9458501HTC	WE-128K32N-300HQ	1	EEPROM, 128K X 32-bit, 300nS	White Microelect.	54230
5962-9458502HYC	WE-128K32-250HQ	1	EEPROM, 128K X 32-bit, 250nS	White Microelect.	54230
5962-9458502HXC	WE-128K32-250HQ	1	EEPROM, 128K X 32-bit, 250nS	White Microelect.	54230
5962-9458502HUC	WE-128K32N-250HQ	1	EEPROM, 128K X 32-bit, 250nS	White Microelect.	54230
5962-9458502HTC	WE-128K32N-250HQ	1	EEPROM, 128K X 32-bit, 250nS	White Microelect.	54230
5962-9458503HUC	WE-128K32N-200HQ	1	EEPROM, 128K X 32-bit, 200nS	White Microelect.	54230
5962-9458503HTC	WE-128K32N-200HQ	1	EEPROM, 128K X 32-bit, 200nS	White Microelect.	54230
5962-9458503HXC	WE-128K32-200HQ	1	EEPROM, 128K X 32-bit, 200nS	White Microelect.	54230
5962-9458503HYC	WE-128K32-200HQ	1	EEPROM, 128K X 32-bit, 200nS	White Microelect.	54230
5962-9458504HUC	WE-128K32N-150HQ	1	EEPROM, 128K X 32-bit, 150nS	White Microelect.	54230
5962-9458504HXC	WE-128K32-150HQ	1	EEPROM, 128K X 32-bit, 150nS	White Microelect.	54230
5962-9458504HYC	WE-128K32-150HQ	1	EEPROM, 128K X 32-bit, 150nS	White Microelect.	54230
5962-9458504HTC	WE-128K32N-150HQ	1	EEPROM, 128K X 32-bit, 150nS	White Microelect.	54230
5962-9461401HYC	WE-32K32N-150HQ	1	EEPROM, 32K X 32-BIT, 150ns	White Microelect.	54230
5962-9461401HXC	WE-32K32N-150HQ	1	EEPROM, 32K X 32-BIT, 150ns	White Microelect.	54230
5962-9461402HXC	WE-32K32N-120HQ	1	EEPROM, 32K X 32-BIT, 120ns	White Microelect.	54230
5962-9461402HYC	WE-32K32N-120HQ	1	EEPROM, 32K X 32-BIT, 120ns	White Microelect.	54230
5962-9462401HZA	ATR2805SF/CH	1	DC/DC CONVERTER, 30W, 5V OUTPUT	Lambda Adv. Analog	52467
5962-9462401HXA	ATR2805S/CH	1	DC/DC CONVERTER, 30W, 5V OUTPUT	Lambda Adv. Analog	52467
5962-9462501HZA	ATR2812SF/CH	1	DC/DC CONVERTER, 30W, 12V OUTPUT	Lambda Adv. Analog	52467
5962-9462501HXA	ATR2812S/CH	1	DC/DC CONVERTER, 30W, 12V OUTPUT	Lambda Adv. Analog	52467
5962-9462601HZA	ATR2815SF/CH	1	DC/DC CONVERTER, 30W, 15V OUTPUT	Lambda Adv. Analog	52467
5962-9462601HXA	ATR2815S/CH	1	DC/DC CONVERTER, 30W, 15V OUTPUT	Lambda Adv. Analog	52467
5962-9462701HXA	ATR2812D/CH	1	DC/DC CONVERTER, 30W, +/- 12V OUTPUT	Lambda Adv. Analog	52467

-81-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9462701HZA	ATR2812DF/CH		1	DC/DC CONVERTER, 30W, +/- 12V OUTPUT	Lambda Adv. Analog	52467
5962-9462801HZA	ATR2815DF/CH		1	DC/DC CONVERTER, 30W, +/- 15V OUTPUT	Lambda Adv. Analog	52467
5962-9462801HXA	ATR2815D/CH		1	DC/DC CONVERTER, 30W, +/- 15V OUTPUT	Lambda Adv. Analog	52467
5962-9464601HXA	HDSR2006-34V/S/2		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9464602HXA	HDSR2006-34V/R/2		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9464603HXA	HDSR2006-34H/2		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9464604HXA	HDSR2006-34S/2		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9464605HXA	HDSR2056-34V/S/2		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9464606HXA	HDSR2056-34V/R/2		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9464607HXA	HDSR2056-34H/2		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9464608HXA	HDSR2056-34S/2		1	DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	Natel Engineering Co	09059
5962-9465501HXX	MHD2805S/883		1	DC/DC CONVERTER, 15W, 5V OUTPUT	Interpoint Corp.	50821
5962-9465501HZX	MHD2805SF/883		1	DC/DC CONVERTER, 15W, 5V OUTPUT	Interpoint Corp.	50821
5962-9465601HZX	MHD2812SF/883		1	DC/DC CONVERTER, 20W, 12V OUTPUT	Interpoint Corp.	50821
5962-9465601HXX	MHD2812S/883		1	DC/DC CONVERTER, 20W, 12V OUTPUT	Interpoint Corp.	50821
5962-9465701HXX	MHD2815S/883		1	DC/DC CONVERTER, 20W, 15V OUTPUT	Interpoint Corp.	50821
5962-9465701HZX	MHD2815SF/883		1	DC/DC CONVERTER, 20W, 15V OUTPUT	Interpoint Corp.	50821
5962-9465801HZX	MHD2818SF/883		1	DC/DC CONVERTER, 20W, 18V OUTPUT	Interpoint Corp.	50821
5962-9465801HXX	MHD2818S/883		1	DC/DC CONVERTER, 20W, 18V OUTPUT	Interpoint Corp.	50821
5962-9465901HXX	MHD2805D/883		1	DC/DC CONVERTER, 15W, ±5V OUTPUT	Interpoint Corp.	50821
5962-9465901HZX	MHD2805DF/883		1	DC/DC CONVERTER, 15W, ±5V OUTPUT	Interpoint Corp.	50821
5962-9466001HZX	MHD2812DF/883		1	DC/DC CONVERTER, 15W, ±12V OUTPUT	Interpoint Corp.	50821
5962-9466001HXX	MHD2812D/883		1	DC/DC CONVERTER, 15W, ±12V OUTPUT	Interpoint Corp.	50821
5962-9466101HXX	MHD2815D/883		1	DC/DC CONVERTER, 15W, ±15V OUTPUT	Interpoint Corp.	50821
5962-9466101HZX	MHD2815DF/883		1	DC/DC CONVERTER, 15W, ±15V OUTPUT	Interpoint Corp.	50821
5962-9471601HXC	WF128K32NA-150HSQ5		1	EEPROM, 128K X 32-bit, 150nS E	White Microelect.	54230
5962-9471601HYC	WF128K32N-150HQ5		1	EEPROM, 128K X 32-bit, 150nS E	White Microelect.	54230
5962-9471601HZC	WF128K32N-150HSQ5		1	EEPROM, 128K X 32-bit, 150nS E	White Microelect.	54230
5962-9471601HUC	WF128K32-150HQ5		1	EEPROM, 128K X 32-bit, 150nS E	White Microelect.	54230
5962-9471601HWC	WF128K32NA-150HQ5		1	EEPROM, 128K X 32-bit, 150nS E	White Microelect.	54230
5962-9471601HVC	WF128K32-150HSQ5		1	EEPROM, 128K X 32-bit, 150nS E	White Microelect.	54230
5962-9471601HSC	WF128K32A-150HQ5		1	EEPROM, 128K X 32-bit, 150nS E	White Microelect.	54230
5962-9471601HTC	WF128K32A-150HSQ5		1	EEPROM, 128K X 32-bit, 150nS E	White Microelect.	54230
5962-9471602HYC	WF128K32N-120HQ5		1	EEPROM, 128K X 32-bit, 120nS	White Microelect.	54230

-82-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE I

01/05/95

STANDARDIZED MILITARY DRAWING	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	PRODUCT TYPE/ DISCRIPTION	SOURCE(S)	CAGE CODE
5962-9471602HZC	WF128K32N-120HSQ5		1	EEPROM, 128K X 32-bit, 120nS	White Microelect.	54230
5962-9471602HXC	WF128K32NA-120HSQ5		1	EEPROM, 128K X 32-bit, 120nS	White Microelect.	54230
5962-9471602HVC	WF128K32-120HSQ5		1	EEPROM, 128K X 32-bit, 120nS	White Microelect.	54230
5962-9471602HWC	WF128K32NA-120HQ5		1	EEPROM, 128K X 32-bit, 120nS	White Microelect.	54230
5962-9471602HSC	WF128K32A-120HQ5		1	EEPROM, 128K X 32-bit, 120nS	White Microelect.	54230
5962-9471602HTC	WF128K32A-120HSQ5		1	EEPROM, 128K X 32-bit, 120nS	White Microelect.	54230
5962-9471602HUC	WF128K32-120HQ5		1	EEPROM, 128K X 32-bit, 120nS	White Microelect.	54230
5962-9471603HZC	WF128K32N-90HSQ5		1	EEPROM, 128K X 32-bit, 90nS	White Microelect.	54230
5962-9471603HYC	WF128K32N-90HQ5		1	EEPROM, 128K X 32-bit, 90nS	White Microelect.	54230
5962-9471603HXC	WF128K32NA-90HSQ5		1	EEPROM, 128K X 32-bit, 90nS	White Microelect.	54230
5962-9471603HUC	WF128K32-90HQ5		1	EEPROM, 128K X 32-bit, 90nS	White Microelect.	54230
5962-9471603HWC	WF128K32NA-90HQ5		1	EEPROM, 128K X 32-bit, 90nS	White Microelect.	54230
5962-9471603HVC	WF128K32-90HSQ5		1	EEPROM, 128K X 32-bit, 90nS	White Microelect.	54230
5962-9471603HSC	WF128K32A-90HQ5		1	EEPROM, 128K X 32-bit, 90nS	White Microelect.	54230
5962-9471603HTC	WF128K32A-90HSQ5		1	EEPROM, 128K X 32-bit, 90nS	White Microelect.	54230
5962-9471604HZC	WF128K32N-70HSQ5		1	EEPROM, 128K X 32-bit, 70nS	White Microelect.	54230
5962-9471604HYC	WF128K32N-70HQ5		1	EEPROM, 128K X 32-bit, 70nS	White Microelect.	54230
5962-9471604HXC	WF128K32NA-70HSQ5		1	EEPROM, 128K X 32-bit, 70nS	White Microelect.	54230
5962-9471604HUC	WF128K32-70HQ5		1	EEPROM, 128K X 32-bit, 70nS	White Microelect.	54230
5962-9471604HWC	WF128K32NA-70HQ5		1	EEPROM, 128K X 32-bit, 70nS	White Microelect.	54230
5962-9471604HSC	WF128K32A-70HQ5		1	EEPROM, 128K X 32-bit, 70nS	White Microelect.	54230
5962-9471604HTC	WF128K32A-70HSQ5		1	EEPROM, 128K X 32-bit, 70nS	White Microelect.	54230
5962-9471604HVC	WF128K32-70HSQ5		1	EEPROM, 128K X 32-bit, 70nS	White Microelect.	54230
5962-9477501HXA	CT 1990-1-20		1	REMOTE TERMINAL AND BUS CONTROLLER	Aeroflex Lab. Inc.	88379
5962-9477501HXC	CT 1990-1-20		1	REMOTE TERMINAL AND BUS CONTROLLER	Aeroflex Lab. Inc.	88379

-83-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
A/D CONVERTER, 12-BIT	5962-8850801XX	ADC-HX/883B		1	Datel Incorporated	50721
A/D CONVERTER, 12-BIT	5962-8850802XX	ADC-HZ/883B		1	Datel Incorporated	50721
A/D CONVERTER, 12-BIT	5962-8850802XX	MNADC87H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT	5962-9066601HXX	AD9005ATM/883B		1	Analog Devices, Inc	34031
A/D CONVERTER, 12-BIT	5962-9099501HXX	CLC925B8C		1	Comlinear Corp.	62839
A/D CONVERTER, 12-BIT	5962-9099501HXA	CLC925B8C		1	Comlinear Corp.	62839
A/D CONVERTER, 12-BIT	5962-9099501HXC	CLC925B8C		1	Comlinear Corp.	62839
A/D CONVERTER, 12-BIT, -10V TO +10V EXTERNAL REFERENCE	5962-8958306YX	MN5205H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, -10V TO +10V INTERNAL REFERENCE	5962-8958305YX	MN5202H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, -5V TO +5V EXTERNAL REFERENCE	5962-8958304YX	MN5204H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, -5V TO +5V INTERNAL REFERENCE	5962-8958303YX	MN5201H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, 0 TO +5V	5962-8959501XX	MN5245H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, 0 TO +5V, WITH THREE-STATE OUTPUTS	5962-8959502XX	MN5245AH/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, 0V TO -10V EXTERNAL REFERENCE	5962-8958302YX	MN5203H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, 0V TO -10V INTERNAL REFERENCE	5962-8958301YX	MN5200H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, 0V TO 10V INTERNAL REFERENCE	5962-8958307YX	MN5206H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, HIGH-SPEED	5962-8865801XX	AD578X		1	Analog Devices, Inc	34031
A/D CONVERTER, 12-BIT, HIGH-SPEED	5962-8865802XX	AD578T		1	Analog Devices, Inc	34031
A/D CONVERTER, 12-BIT, HIGH-SPEED	5962-8865803XX	AD578ZSD		1	Analog Devices, Inc	34031
A/D CONVERTER, 12-BIT, HIGH-SPEED	5962-8865804XX	AD578ZTD		1	Analog Devices, Inc	34031
A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V EXTERNAL REFERENCE	5962-8958406YX	MN5215H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V INTERNAL REFERENCE	5962-8958405YX	MN5212H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V EXTERNAL REFERENCE	5962-8958404YX	MN5214H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V INTERNAL REFERENCE	5962-8958403YX	MN5211H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO -10V EXTERNAL REFERENCE	5962-8958402YX	MN5213H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO -10V INTERNAL REFERENCE	5962-8958401YX	MN5210H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO 10V INTERNAL REFERENCE	5962-8958407YX	MN5216H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, TRACK/HOLD	5962-8854201XX	ADC00300-112		1	ILC Data Device Corp	19645
A/D CONVERTER, 12-BIT, TRACK/HOLD	5962-8854201YX	ADC00302-112		1	ILC Data Device Corp	19645
A/D CONVERTER, 12-BIT, $\pm 2.5V$	5962-8959503XX	MN5246H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 12-BIT, $\pm 2.5V$, WITH 3-STATE OUTPUTS	5962-8959504XX	MN5246AH/B		1	Micro Networks Co.	50507
A/D CONVERTER, 14-BIT	5962-9063101HXX	SP9588		1	Sipex Corporation	33256
A/D CONVERTER, 16-BIT	5962-8956901HXX	MN5295H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 16-BIT RESOLUTION	5962-8956301HXX	MN5290H/B		1	Micro Networks Co.	50507

-84-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE 11

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
A/D CONVERTER, 16-BIT RESOLUTION	5962-8956302HXX	MN5291H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 16-BIT SAMPLING	5962-9177001HXC	MN6400T/B		1	Micro Networks Co.	50507
A/D CONVERTER, 16-BIT SAMPLING	5962-9177001HXA	MN6400T/B		1	Micro Networks Co.	50507
A/D CONVERTER, 16-BIT SAMPLING	5962-9225301HXC	MN6450T/B		1	Micro Networks Co.	50507
A/D CONVERTER, 16-BIT SAMPLING	5962-9225301HXA	MN6450T/B		1	Micro Networks Co.	50507
A/D CONVERTER, 16-BIT, SAMPLING, 400 HKZ	5962-9171201HXX	AD1385TD/883B		1	Analog Devices, Inc	34031
A/D CONVERTER, 16-BIT, ± 0.003 %FSR	5962-9079502HXX	HS9576T/B		1	Sipex Corporation	33256
A/D CONVERTER, 16-BIT, ± 0.006 %FSR	5962-9079501HXX	HS9576S/B		1	Sipex Corporation	33256
A/D CONVERTER, 8-BIT FLASH	5962-8877601XX	HS1068B		1	Sipex Corporation	33256
A/D CONVERTER, 8-BIT FLASH	5962-8997901XX	SP1078B		1	Sipex Corporation	33256
A/D CONVERTER, 8-BIT, 0 TO +10V INPUT RANGE	5962-9049704HXX	MN5143		1	Micro Networks Co.	50507
A/D CONVERTER, 8-BIT, 0 TO -10V INPUT RANGE	5962-9049701HXX	MN5140		1	Micro Networks Co.	50507
A/D CONVERTER, 8-BIT, 1.5 μ S	5962-9207301HXA	MN5100H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 8-BIT, 1.5 μ S	5962-9207301HXC	MN5100H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 8-BIT, 900 NS	5962-9207302HXC	MN5101H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 8-BIT, 900 NS	5962-9207302HXA	MN5101H/B		1	Micro Networks Co.	50507
A/D CONVERTER, 8-BIT, ± 10 V INPUT RANGE	5962-9049703HXX	MN5142		1	Micro Networks Co.	50507
A/D CONVERTER, 8-BIT, ± 5 V INPUT RANGE	5962-9049702HXX	MN5141		1	Micro Networks Co.	50507
AMPLIFIER, 16-BIT TRACK AND HOLD	5962-9063001HXX	SP9760B		1	Sipex Corporation	33256
AMPLIFIER, LOGARITHMIC, DC-COUPLED DEMODULATING, 120 MHZ	5962-9095501HXC	CLC92588C		1	Comlinear Corp.	62839
AMPLIFIER, LOGARITHMIC, DC-COUPLED DEMODULATING, 120 MHZ	5962-9095501HXA	CLC92588C		1	Comlinear Corp.	62839
AMPLIFIER, OPERATIONAL, THICK FILM	8001301ZX	MSK 0032B		1	M.S Kennedy Corp.	51651
AMPLIFIER, OPERATIONAL, THICK FILM	8001301ZX	CTS0032ZB		1	CTS Microelectronics	23223
AMPLIFIER, OPERATIONAL, THICK FILM	8001301ZX	ELH0032G/883B		1	Elantec Incorporated	64762
ANALOG MULTIPLEXER	5962-9450601HXX	MX-826/883		1	Date! Incorporated	50721
BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL	5962-9063601HYX			1	NO APPROVED SOURCE	XXXXX
BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL	5962-9063601HXX			1	NO APPROVED SOURCE	XXXXX
BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL	5962-9063603HXX	ARX2410		1	Aeroflex Lab. Inc.	88379
BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL	5962-9063604HXX	ARX3410		1	Aeroflex Lab. Inc.	88379
BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL, WITH HIGH DATA BUS DRIVER CAPABILITY	5962-9063602HYX			1	NO APPROVED SOURCE	XXXXX
BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL, WITH HIGH DATA BUS DRIVER CAPABILITY	5962-9063602HXX			1	NO APPROVED SOURCE	XXXXX
BUFFER AMPLIFIER, FET-INPUT, CLOSED-LOOP, ± 12 V	5962-9090201HXX	MSK332B-12		1	M.S Kennedy Corp.	51651
BUFFER AMPLIFIER, FET-INPUT, CLOSED-LOOP, ± 15 V	5962-9090202HXX	MSK332B-15		1	M.S Kennedy Corp.	51651
BUFFER, FET	5962-8965901XX	EL2004G/883B		1	Elantec Incorporated	64762
BUFFER, FET	5962-8965901YX			1	NO APPROVED SOURCE	XXXXX
BUS CONTROLLER, DUAL REDUNDANT, RTU	5962-8858501YX			1	NO APPROVED SOURCE	XXXXX
BUS CONTROLLER, DUAL REDUNDANT, RTU	5962-8858501XX			1	NO APPROVED SOURCE	XXXXX

-85-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT	5962-9216201HXX	BUS65153		1	ILC Data Device Corp	19645
BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT	5962-9216201HYX	BUS65163		1	ILC Data Device Corp	19645
BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT	5962-9216202HXX	BUS65154		1	ILC Data Device Corp	19645
BUS INTERFACE UNIT, REMOTE TERMINAL, DUAL REDUNDANT	5962-9216202HYX	BUS65164		1	ILC Data Device Corp	19645
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757902XX	BUS631251I		1	DDC Ireland LTD.	S7631
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757902YC	BUS631261I		1	DDC Ireland LTD.	S7631
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757902YC	BUS631261I		1	ILC Data Device Corp	19645
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757902XX	BUS631251I		1	ILC Data Device Corp	19645
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757903YX	ARX2411FP		1	Aeroflex Lab. Inc.	88379
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757903XX	ARX2411		1	Aeroflex Lab. Inc.	88379
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757904UX	ARX3411		1	Aeroflex Lab. Inc.	88379
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757904ZX	ARX3411FP		1	Aeroflex Lab. Inc.	88379
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757904YX	ARX3411FP		1	Aeroflex Lab. Inc.	88379
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757904XX	ARX3411		1	Aeroflex Lab. Inc.	88379
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757905YX	NHI-1500FP		1	National Hybrid, Inc	57363
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757905XX	NHI-1500		1	National Hybrid, Inc	57363
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757906YX	FC1553623FP		1	C-MAC Microcircuits	U4388
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757906XX	FC1553623		1	C-MAC Microcircuits	U4388
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757907XX			1	NO APPROVED SOURCE	XXXXX
BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER	5962-8757907YX			1	NO APPROVED SOURCE	XXXXX
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 12V	5962-8982607XX	FC1553722		1	C-MAC Microcircuits	U4388
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 12V	5962-8982607YX	FC1552722FP		1	C-MAC Microcircuits	U4388
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 12V	5962-8982608YX	FC1553726FP		1	C-MAC Microcircuits	U4388
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 12V	5962-8982608XX	FC1553726		1	C-MAC Microcircuits	U4388
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952201XX			1	NO APPROVED SOURCE	XXXXX
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952202XX	ARX-2453		1	Aeroflex Lab. Inc.	88379
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952202YX	ARX-2453FP		1	Aeroflex Lab. Inc.	88379
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952203YX	NHI-1529FP		1	National Hybrid, Inc	57363
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952203XX	NHI-1529		1	National Hybrid, Inc	57363
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952204XX			1	NO APPROVED SOURCE	XXXXX
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952205UX			1	NO APPROVED SOURCE	XXXXX
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952205ZX			1	NO APPROVED SOURCE	XXXXX
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952206XX	FC1553921		1	C-MAC Microcircuits	U4388
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952206YX	FC1553921FP		1	C-MAC Microcircuits	U4388
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952207YX	FC1553923		1	C-MAC Microcircuits	U4388
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952207XX	FC1553923		1	C-MAC Microcircuits	U4388
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952208XX	ARX-3453		1	Aeroflex Lab. Inc.	88379
BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V	5962-8952208YX	ARX-3453FP		1	Aeroflex Lab. Inc.	88379

-86-

HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
CURRENT AMPLIFIER	7801301GX	CTS0002XB		1	CTS Microelectronics	23223
CURRENT AMPLIFIER	7801301XX	CTS0002		1	CTS Microelectronics	23223
CURRENT AMPLIFIER	7801301XX	ELH0002H/883B		3	Elantec Incorporated	64762
D/A CONVERTER, 12-BIT	5962-9063401HXX	ADH030-II12-1		1	ILC Data Device Corp	19645
D/A CONVERTER, 12-BIT, BINARY INPUT CODE	5962-8952801XX	DAC HKB/883B		1	Datel Incorporated	50721
D/A CONVERTER, 12-BIT, RANGE-PROGRAMMABLE VOLTAGE OUTPUT	8300201XX			1	NO APPROVED SOURCE	XXXXX
D/A CONVERTER, 12-BIT, RANGE-PROGRAMMABLE VOLTAGE OUTPUT	8300201JX	DAC87		1	Analog Devices, Inc	34031
D/A CONVERTER, 12-BIT, TWO'S COMPLEMENT	5962-8952802XX	DAC HKB-2/883B		1	Datel Incorporated	50721
D/A CONVERTER, 12-BIT, WITH INPUT REGISTER	5962-9057001HXX	MN3860H/B		1	Micro Networks Co.	50507
D/A CONVERTER, 14-BIT, DEGLITCHED, $\pm 0.006\%$ FSR	5962-8851702XX	DAC02310-113		1	ILC Data Device Corp	19645
D/A CONVERTER, 14-BIT, DEGLITCHED, $\pm 0.006\%$ FSR	5962-8851702YX	DAC02311-113		1	ILC Data Device Corp	19645
D/A CONVERTER, 14-BIT, DEGLITCHED, $\pm 0.012\%$ FSR	5962-8851701XX	DAC02310-112		1	ILC Data Device Corp	19645
D/A CONVERTER, 14-BIT, DEGLITCHED, $\pm 0.012\%$ FSR	5962-8851701YX	DAC02311-112		1	ILC Data Device Corp	19645
D/A CONVERTER, 16-BIT, 0 TO +10V AND $\pm 5V$ OUTPUT	5962-8953101HXX	DAC HPB/883B		1	Datel Incorporated	50721
D/A CONVERTER, 16-BIT, 0 TO +10V OUTPUT	5962-8953103HYX	MN3290T/B-V		1	Micro Networks Co.	50507
D/A CONVERTER, 16-BIT, 15-BIT LINEARITY	5962-8986202XC	HS9378S/B		1	Sipex Corporation	33256
D/A CONVERTER, 16-BIT, 16-BIT LINEARITY	5962-8986201XC	HS9378T/S		1	Sipex Corporation	33256
D/A CONVERTER, 16-BIT, $\pm 10V$ OUTPUT	5962-8953102HYX	MN3292T/B-V		1	Micro Networks Co.	50507
D/A CONVERTER, 16-BIT, $\pm 10V$ OUTPUT	5962-8953102HXX	DAC HPB-1/883B		1	Datel Incorporated	50721
D/A CONVERTER, 16-BIT, $\pm 5V$ OUTPUT	5962-8953104HYX	MN3291T/B-V		1	Micro Networks Co.	50507
D/A CONVERTER, 8-BIT, -2V TO +2V OUTPUT	5962-8768802YX			1	NO APPROVED SOURCE	XXXXX
D/A CONVERTER, 8-BIT, -2V TO +2V OUTPUT	5962-8768802XX	MN3009H/B		1	Micro Networks Co.	50507
D/A CONVERTER, 8-BIT, 0V TO +4V OUTPUT	5962-8768801XX	MN3008H/B		1	Micro Networks Co.	50507
D/A CONVERTER, 8-BIT, 0V TO +4V OUTPUT	5962-8768801YX			1	NO APPROVED SOURCE	XXXXX
D/A CONVERTER, 8-BIT, TRIPLE, COLOR-MAPPED VIDEO	5962-8950901XX	RGBDAC3808H/B		1	Lambda Adv. Analog	52467
D/A CONVERTER, 8-BIT, WITH INPUT REGISTER	5962-8971801XX	MN3020H/B		1	Micro Networks Co.	50507
D/A CONVERTER, 8-BIT, WITH INPUT REGISTER	5962-8971801XX	HS3020B		1	Sipex Corporation	33256
D/A CONVERTER, QUAD 12-BIT	5962-8850901XX	AD390S		1	Analog Devices, Inc	34031
D/A CONVERTER, QUAD 12-BIT	5962-8850902XX	AD390T		1	Analog Devices, Inc	34031
D/A CONVERTER, QUAD 12-BIT	5962-8851001XX	AD394S		1	Analog Devices, Inc	34031
D/A CONVERTER, QUAD 12-BIT	5962-8851002XX	AD394T		1	Analog Devices, Inc	34031
D/A CONVERTER, QUAD 12-BIT	5962-8851003XX			1	NO APPROVED SOURCE	XXXXX
D/A CONVERTER, QUAD 12-BIT	5962-8851004XX			1	NO APPROVED SOURCE	XXXXX
D/A CONVERTER, QUAD 12-BIT	5962-8862901XA	HS9342B		1	Sipex Corporation	33256
D/A CONVERTER, QUAD 12-BIT	5962-8862901XC	HS9342B		1	Sipex Corporation	33256
DATA ACQUISITION SYSTEM, 12-BIT, 16-CHANNEL SINGLE-ENDED INPUT	5962-8851402XX	HS9403B-16		1	Sipex Corporation	33256
DATA ACQUISITION SYSTEM, 12-BIT, 16-CHANNEL SINGLE-ENDED INPUT	5962-8851404X	HDAS-16/883		1	Datel Incorporated	50721

-87-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DESCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
DATA ACQUISITION SYSTEM, 12-BIT, 16-CHANNEL SINGLE-ENDED INPUT	5962-8851404X	HS9403B-16-1		1	Sipex Corporation	33256
DATA ACQUISITION SYSTEM, 12-BIT, 8-CHANNEL	5962-9079701HXX	MN7140H/B		1	Micro Networks Co.	50507
DATA ACQUISITION SYSTEM, 12-BIT, 8-CHANNEL DIFFERENTIAL INPUT	5962-8851401XX	HS9403B-8		1	Sipex Corporation	33256
DATA ACQUISITION SYSTEM, 12-BIT, 8-CHANNEL DIFFERENTIAL INPUT	5962-8851403X	HS9403B-8-1		1	Sipex Corporation	33256
DATA ACQUISITION SYSTEM, 12-BIT, 8-CHANNEL DIFFERENTIAL INPUT	5962-8851403X	HDAS-8/883		1	Datel Incorporated	50721
DC/DC CONVERTER, 12W, 5V OUTPUT	5962-9160001HXX	AHF2805S/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 12W, 5V OUTPUT	5962-9213901HXX	MHF-2805S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 12W, ±12V OUTPUT	5962-9211101HXX	AHF2812D/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 12W, ±15V OUTPUT	5962-9235101HXX	AHF2815D/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, +5V AND ±15V TRIPLE OUTPUT	5962-9095401HXX	AT02815T/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, +5V AND ±15V TRIPLE OUTPUT	5962-9095401HZX	AT02815TF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, +5V, ±12V TRIPLE OUTPUT	5962-9211501HZX	AHV2812TF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, +5V, ±12V, TRIPLE OUTPUT	5962-9160201HZX	AT02812TF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, +5V, ±12V, TRIPLE OUTPUT	5962-9160201HXX	AT02812T/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, +5V, ±15V TRIPLE OUTPUT	5962-9211601HZX	AHV2815T/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, 12V OUTPUT	5962-9166401HXX	MHF-2815S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 15W, 12V OUTPUT	5962-9211201HZA	AHV2812SF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, 5V OUTPUT	5962-9177301HZX	AHV2805SF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, 5V OUTPUT	5962-9465501HXX	MHD2805S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 15W, 5V OUTPUT	5962-9465501HZX	MHD2805SF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 15W, SINGLE CHANNEL	5962-9160101HXX	MHF-2815S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 15W, ±12V OUTPUT	5962-9214401HXX	MHF-2812D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 15W, ±12V OUTPUT	5962-9466001HZX	MHD2812DF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 15W, ±12V OUTPUT	5962-9466001HXX	MHD2812D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	5962-9204001HZX	AHE2812DF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	5962-9204001HXX	AHE2812D/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	5962-9204002HXX	AHE2812D/CHSLV		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	5962-9204002HZX	AHE2812DFCHSLV		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	5962-9204003HZX	AHE2812DFCHMST		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, ±12V, DUAL OUTPUT	5962-9204003HXX	AHE2812DCHMSTR		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	5962-9157501HZX	AHE2815DF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	5962-9157501HXX	AHE2815D/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	5962-9157502HXX	AHE2815D/CHSLV		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	5962-9157502HZX	AHE2815DFCHSLV		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	5962-9157503HZX	AHE2815DFCHMST		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 15W, ±15V DUAL OUTPUT	5962-9157503HXX	AHE2815DCHMSTR		1	Lambda Adv. Analog	52467

-88-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
DC/DC CONVERTER, 15W, $\pm 15V$ OUTPUT	5962-9161401HXX	MHF-2815D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 15W, $\pm 15V$ OUTPUT	5962-9466101HXX	MHD2815D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 15W, $\pm 15V$ OUTPUT	5962-9466101HZX	MHD2815DF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 15W, $\pm 5V$ OUTPUT	5962-9465901HXX	MHD2805D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 15W, $\pm 5V$ OUTPUT	5962-9465901HZX	MHD2805DF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 20W, 12V OUTPUT	5962-9158001HZX	AHE2812SF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 12V OUTPUT	5962-9158001HXX	AHE2812S/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 12V OUTPUT	5962-9158002HZX	AHE2812SFCHSLV		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 12V OUTPUT	5962-9158002HXX	AHE2812S/CHSLV		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 12V OUTPUT	5962-9158003HXX	AHE2812SCHMSTR		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 12V OUTPUT	5962-9158003HZX	AHE2812SFCHMST		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 12V OUTPUT	5962-9465601HZX	MHD2812SF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 20W, 12V OUTPUT	5962-9465601HXX	MHD2812S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 20W, 15V OUTPUT	5962-9162501HZX	AHE2815SF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 15V OUTPUT	5962-9162501HXX	AHE2815S/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 15V OUTPUT	5962-9162502HZX	AHE2815SF/CHSL		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 15V OUTPUT	5962-9162502HXX	AHE2815S/CHSLV		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 15V OUTPUT	5962-9162503HZX	AHE2815SFCHMS		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 15V OUTPUT	5962-9162503HXX	AHE2815SCHMST		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 20W, 15V OUTPUT	5962-9465701HXX	MHD2815S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 20W, 15V OUTPUT	5962-9465701HZX	MHD2815SF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 20W, 18V OUTPUT	5962-9465801HZX	MHD2818SF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 20W, 18V OUTPUT	5962-9465801HXX	MHD2818S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 25W, 5V OUTPUT	5962-9306801HZX	MTR2805SF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 25W, 5V OUTPUT	5962-9306801HXX	MTR2805S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 25W, $\pm 5V$ OUTPUT	5962-9320501HZX	MTR2805DF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 25W, $\pm 5V$ OUTPUT	5962-9320501HXX	MTR2805D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 30W, $\pm 12V$ OUTPUT	5962-9462701HXA	ATR2812D/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, $\pm 12V$ OUTPUT	5962-9462701HZA	ATR2812DF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, $\pm 15V$ OUTPUT	5962-9462801HZA	ATR2815DF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, $\pm 15V$ OUTPUT	5962-9462801HXA	ATR2815D/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, $\pm 5V$, $\pm 12V$ TRIPLE OUTPUT	5962-9315801HZX	ATR2812TF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, $\pm 5V$, $\pm 15V$ TRIPLE OUTPUT	5962-9215901HZX	ATR2815TF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, 12V OUTPUT	5962-9306901HZX	MTR2812SF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 30W, 12V OUTPUT	5962-9306901HXX	MTR2812S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 30W, 12V OUTPUT	5962-9462501HZA	ATR2812SF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, 12V OUTPUT	5962-9462501HXA	ATR2812S/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, 15V OUTPUT	5962-9307001HZX	MTR2815SF/883		1	Interpoint Corp.	50821

-89-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
DC/DC CONVERTER, 30W, 15V OUTPUT	5962-9307001HXX	MTR2815S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 30W, 15V OUTPUT	5962-9462601HZA	ATR2815SF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, 15V OUTPUT	5962-9462601HXA	ATR2815S/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, 18V OUTPUT	5962-9320201HZX	MTR2818SF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 30W, 18V OUTPUT	5962-9320201HXX	MTR2818S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 30W, 5V OUTPUT	5962-9157901HZX	7870-01		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, 5V OUTPUT	5962-9157902HZX	7870-02		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, 5V OUTPUT	5962-9157903HZX	7870-03		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, 5V OUTPUT	5962-9462401HZA	ATR2805SF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, 5V OUTPUT	5962-9462401HXA	ATR2805S/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, ±12V	5962-9210901HZX	ATW2812D/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, ±12V	5962-9210902HZX	ATW2812D/CHSLV		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, ±12V	5962-9210903HZX	ATW2812CHMSTR		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, ±12V OUTPUT	5962-9307101HXX	MTR2812D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 30W, ±12V OUTPUT	5962-9307101HZX	MTR2812DF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 30W, ±15V OUTPUT	5962-9161301HZX	ATW2815D/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, ±15V OUTPUT	5962-9161302HZX	ATW2815D/CHSLV		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, ±15V OUTPUT	5962-9161303HZX	ATW2815DCHMSTR		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 30W, ±15V OUTPUT	5962-9307201HXX	MTR2815D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 30W, ±15V OUTPUT	5962-9307201HZX	MTR2815DF/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	5962-8968301HXX	AHE2805S/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	5962-8968301HZX	AHE2805SF/CH		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	5962-8968302HXX	AHE2805S/CHSLV		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	5962-8968302HZX	AHE2805SFCHSLV		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	5962-8968303HZX	AHE2805SFCHMST		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL	5962-8968303HXX	AHE2805S/CHMST		1	Lambda Adv. Analog	52467
DC/DC CONVERTER, 50W, 5V OUTPUT	5962-9316301HXX	MFL2805S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 50W, 5V OUTPUT	5962-9319101HXX	MFL2805D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 5W, +15V OUTPUT	5962-9309401HXX	MSA2815S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 5W, +15V OUTPUT	5962-9309001HXX	MSA2815D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 60W, 12V OUTPUT	5962-9316201HXX	MFL2812S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, 65W, 15V OUTPUT	5962-9316101HXX	MFL2815S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, DUAL CHANNEL, 5W, ±12V OUTPUT	5962-9308901HXX	MSA2812D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, DUAL-CHANNEL, 60W, 12V OUTPUT	5962-9319201HXX	MFL2812D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, DUAL-CHANNEL, 65W, 15V OUTPUT	5962-9319301HXX	MFL2815D/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, SINGLE CHANNEL, 5W, +12V OUTPUT	5962-9309301HXX	MSA2812S/883		1	Interpoint Corp.	50821
DC/DC CONVERTER, SINGLE CHANNEL, 5W, +5V OUTPUT	5962-9309201HXX	MSA2805S/883		1	Interpoint Corp.	50821
DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT	5962-8998601HXX	OSC11520-112		1	ILC Data Device Corp	19645

-90-

HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT	5962-8998602HXX	DSC11520-113		1	ILC Data Device Corp	19645
DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT	5962-8998603HXX	DSC11520-114		1	ILC Data Device Corp	19645
DIGITAL-TO-SYNCHRO/DIGITAL-TO-RESOLVER CONVERTER, 16-BIT	5962-8998604HXX	DSC11520-115		1	ILC Data Device Corp	19645
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9155901HXX	HDSR2056P-34VR/		1	Natel Engineering Co	09059
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9155902HXX	HDSR2056P-34VS/		1	Natel Engineering Co	09059
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9155903HXX	HDSR2056P-34H/2		1	Natel Engineering Co	09059
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9155904HXX	HDSR2056P-34S/2		1	Natel Engineering Co	09059
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9464601HXA	HDSR2006-34V/S/2		1	Natel Engineering Co	09059
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9464602HXA	HDSR2006-34V/R/2		1	Natel Engineering Co	09059
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9464603HXA	HDSR2006-34H/2		1	Natel Engineering Co	09059
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9464604HXA	HDSR2006-34S/2		1	Natel Engineering Co	09059
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9464605HXA	HDSR2056-34V/S/2		1	Natel Engineering Co	09059
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9464606HXA	HDSR2056-34V/R/2		1	Natel Engineering Co	09059
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9464607HXA	HDSR2056-34H/2		1	Natel Engineering Co	09059
DIGITAL-TO-SYNCHRO/RESOLVER CONVERTER	5962-9464608HXA	HDSR2056-34S/2		1	Natel Engineering Co	09059
DIRECT CONVERTER, 2V, 400 HZ, 2 MIN	5962-9454802HXC	SD-14623DX-114		1	ILC Data Device Corp	19645
DIRECT CONVERTER, 2V, 400 HZ, 2 MIN	5962-9454802HXA	SD-14623DX-144		1	ILC Data Device Corp	19645
DIRECT CONVERTER, 2V, 400 HZ, 4 MIN	5962-9454801HXA	SD-14623DX-142		1	ILC Data Device Corp	19645
DIRECT CONVERTER, 2V, 400 HZ, 4 MIN	5962-9454801HXC	SD-14623DX-112		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205001HXX	SDC14573-112		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205201HXX	SDC14603-112		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205202HXX	SDC14603T-112		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205203HXX	SDC14608-112		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205204HXX	SDC14608T-112		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205205HXX	SDC14608-114		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205206HXX	SDC14608T-114		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205501HXX	SDC14613-112		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205502HXX	SDC14613T-112		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205503HXX	SDC14618-112		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205504HXX	SDC14618T-112		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205505HXX	SDC14618-114		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14-BIT, 2V, 400 HZ	5962-9205506HXX	SDC14618T-114		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14/16-BIT, 2V, 400 HZ	5962-9205002HXX	SDC14578-112		1	ILC Data Device Corp	19645
DIRECT RESOLVER CONVERTER, 14/16-BIT, 2V, 400 HZ	5962-9205003HXX	SDC14578-114		1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ	5962-9055102YX	SDC14567IIII1-11		1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ	5962-9055102XC	SDC14567IIII12		1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ	5962-9055102XC	SDC14567-112		1	DDC Ireland LTD.	S7631
DR/D CONVERTER, 1.0 V, 400 HZ	5962-9055103XC	SDC14567IIII14		1	ILC Data Device Corp	19645

-91-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
DR/D CONVERTER, 1.0 V, 400 HZ	5962-9055103XC	SDC14567-114	1	DDC Ireland LTD.	S7631
DR/D CONVERTER, 1.0 V, 400 HZ	5962-9055103YX	SDC14567III1-60	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ	5962-9055104XC	SDC14567-115	1	DDC Ireland LTD.	S7631
DR/D CONVERTER, 1.0 V, 400 HZ	5962-9055104XC	SDC14567III115	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ	5962-9055104YX	SDC14567III1-11	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055105YX	SDC14569III1-11	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055105XC	SDC14569III111	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055105XC	SDC14569-111	1	DDC Ireland LTD.	S7631
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055106YX	SDC14569III1-11	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055106XC	SDC14569-112	1	DDC Ireland LTD.	S7631
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055106XC	SDC14569III112	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055107XC	SDC14569-114	1	DDC Ireland LTD.	S7631
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055107XC	SDC14569III114	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055107YX	SDC14569III1-11	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055108XC	SDC14569-115	1	DDC Ireland LTD.	S7631
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055108XC	SDC14569III115	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY	5962-9055108YX	SDC14569III1-11	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0V, 400 HZ	5962-9055101XC	SDC14567III111	1	ILC Data Device Corp	19645
DR/D CONVERTER, 1.0V, 400 HZ	5962-9055101XC	SDC14567-111	1	DDC Ireland LTD.	S7631
DR/D CONVERTER, 1.0V, 400 HZ	5962-9055101YX	SDC14567III1-11	1	ILC Data Device Corp	19645
DRIVER, HIGH VOLTAGE, 1.5A	5962-8761701XX	CTS000618	1	CTS Microelectronics	23223
DRIVER, HIGH VOLTAGE, HIGH CURRENT, 3.0A	5962-8761702XX	CTS000818	1	CTS Microelectronics	23223
DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	5962-9208501HXX	NHI-1551/883	1	National Hybrid, Inc	57363
DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	5962-9208501HYX	NHI-1551FP/883	1	National Hybrid, Inc	57363
DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	5962-9208502HYX	ARX4451FP	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	5962-9208502HXX	ARX4451	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	5962-9208503HYX	ARX4418FP	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	5962-9208503HXX	ARX4418	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	5962-9208504HXX	NHI-1515/883	1	National Hybrid, Inc	57363
DRIVER-RECEIVER (UNIVERSAL TRANSCEIVER), SINGLE CHANNEL, LOW POWER	5962-9208504HYX	NHI-1515FP/883	1	National Hybrid, Inc	57363
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8757908XC	MR63125MPR	1	Micro-Rel Division	8K957
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8757909YX	FC1553621FP	1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8757909XX	FC1553621	1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982601YC	BUS63128II	1	DDC Ireland LTD.	S7631

-92-
HYBRID MICROCIRCUITS
QML-38534-20

01/05/95

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982601XC	BUS63127II		1	ILC Data Device Corp	19645
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982601YC	BUS63128II		1	ILC Data Device Corp	19645
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982601XC	BUS63127II		1	DDC Ireland LTD.	S7631
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982602XX	ARX3419		1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982602YX	ARX3419FP		1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982603YX	NHI-1502FP		1	National Hybrid, Inc	57363
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982603XX	NHI-1502		1	National Hybrid, Inc	57363
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982604XX	NHI-1523		1	National Hybrid, Inc	57363
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982604YX	NHI-1523FP		1	National Hybrid, Inc	57363
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982605YX	FC1553721FP		1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982605XX	FC1553721		1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982606YX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER	5962-8982606XX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944701HZX	ARX3436FP		1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944701HYX	ARX3416FP		1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944701HXX	ARX3416		1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944701HUX	ARX3436		1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944702YX	NHI-1501FP		1	National Hybrid, Inc	57363
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944702XX	NHI-1501		1	National Hybrid, Inc	57363
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944703YX	FC1553622FP		1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944703XX	FC1553622		1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944704HXC	BUS63135II		1	ILC Data Device Corp	19645
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944704HYC	BUS63136II		1	ILC Data Device Corp	19645
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944705HXX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944706HXX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH	5962-8944707HYX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, LOW-POWER	5962-8979901XX	FC155391		1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, LOW-POWER	5962-8979902XX	FC155392		1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, SINGLE CHANNEL	5962-8604908XX	FC155362		1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	5962-8604903YX	ARX2402		1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	5962-8604904UX	ARX3402		1	Aeroflex Lab. Inc.	88379

-93-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	5962-8604905YX		1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	5962-8604905XX	BUS63100-617	1	ILC Data Device Corp	19645
DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	5962-8604906TX	NHI-1509FP	1	National Hybrid, Inc	57363
DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	5962-8604906YX	NHI-1509	1	National Hybrid, Inc	57363
DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)	5962-8604907XX	FC155361	1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	5962-9174901HXX	NHI-1514/883	1	National Hybrid, Inc	57363
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	5962-9174901HYX	NHI-1514FP/883	1	National Hybrid, Inc	57363
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	5962-9174904HYX		1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	5962-9174904HXX		1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	5962-9174905HZX	MR3231MP5	1	Micro-Rel Division	8K957
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	5962-9174905HUX		1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	5962-9174908HTX	ARX4407LPFP	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	5962-9174908HYX	ARX4407FP	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), LOW POWER	5962-9174908HXX	ARX4407	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY HIGH	5962-8959201YX	ARX3407FP	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY HIGH	5962-8959201XX	ARX3407	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY HIGH	5962-8959203YX	ARX3407-001FP	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY HIGH	5962-8959203XX	ARX3407-001	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY LOW	5962-8959205XX	ARX3467	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY LOW	5962-8959205YX	ARX3467FP	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	5962-9082902HXX	FC155372	1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	5962-9082904HUX	ARX3424	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	5962-9082906HYX	NHI-1545	1	National Hybrid, Inc	57363
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	5962-9082906HTX	NHI-1545FP	1	National Hybrid, Inc	57363
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	5962-9082908HTX		1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	5962-9082908HYX		1	NO APPROVED SOURCE	XXXXX

-94-

HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
HIGH)						
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)	5962-9082908HXX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	5962-9082901HYX	FC155371SSW		1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	5962-9082901HTX	FC155371FP		1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	5962-9082901HXX	FC155371		1	C-MAC Microcircuits	U4388
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	5962-9082903HUX	ARX3420		1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	5962-9082905HTX	NHI-1531FP		1	National Hybrid, Inc	57363
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	5962-9082905HYX	NHI-1531		1	National Hybrid, Inc	57363
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	5962-9082907HYX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	5962-9082907HTX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)	5962-9082907HXX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174902HXX	NHI-1513/883		1	National Hybrid, Inc	57363
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174902HYX	NHI-1513FP/883		1	National Hybrid, Inc	57363
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174903HXC	BUS-63102-883B		1	DDC Ireland LTD.	S7631
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174903HXA	BUS-63102-637		1	DDC Ireland LTD.	S7631
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174903HYX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174903HXA	BUS-63102II-637		1	ILC Data Device Corp	19645
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174903HXC	BUS-63102II-883B		1	ILC Data Device Corp	19645
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174906HUX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174906HZX	MR3232MP2		1	Micro-Rel Division	8K957
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174907HUX			1	NO APPROVED SOURCE	XXXXX
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174907HZX	MR3232MP5		1	Micro-Rel Division	8K957
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174909HXX	ARX4404		1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174909HTX	ARX4404LPFP		1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), LOW POWER	5962-9174909HYX	ARX4404LP		1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH	5962-8959202XX	ARX3404		1	Aeroflex Lab. Inc.	88379

-95-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH	5962-8959202YX	ARX3404FP	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH	5962-8959204YX	ARX3404-001FP	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH	5962-8959204XX	ARX3404-001	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY LOW	5962-8959206XX	ARX3464	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY LOW	5962-8959206YX	ARX3464FP	1	Aeroflex Lab. Inc.	88379
DRIVER-RECEIVER, SINGLE CHANNEL, (INTERFACES WITH MANCHESTER ENCODER-DECODER)	5962-8604902ZX	BUS63105	1	DDC Ireland LTD.	S7631
EEPROM, 128K X 32-bit, 120nS	5962-9471602HYC	WF128K32N-120HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 120nS	5962-9471602HZC	WF128K32N-120HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 120nS	5962-9471602HXC	WF128K32NA-120HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 120nS	5962-9471602HVC	WF128K32-120HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 120nS	5962-9471602HWC	WF128K32NA-120HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 120nS	5962-9471602HSC	WF128K32A-120HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 120nS	5962-9471602HTC	WF128K32A-120HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 120nS	5962-9471602HUC	WF128K32-120HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS	5962-9458504HUC	WE-128K32N-150HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS	5962-9458504HXC	WE-128K32-150HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS	5962-9458504HYC	WE-128K32-150HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS	5962-9458504HTC	WE-128K32N-150HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS E	5962-9471601HXC	WF128K32NA-150HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS E	5962-9471601HYC	WF128K32N-150HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS E	5962-9471601HZC	WF128K32N-150HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS E	5962-9471601HUC	WF128K32-150HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS E	5962-9471601HWC	WF128K32NA-150HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS E	5962-9471601HVC	WF128K32-150HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS E	5962-9471601HSC	WF128K32A-150HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 150nS E	5962-9471601HTC	WF128K32A-150HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 200nS	5962-9458503HUC	WE-128K32N-200HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 200nS	5962-9458503HTC	WE-128K32N-200HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 200nS	5962-9458503HXC	WE-128K32-200HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 200nS	5962-9458503HYC	WE-128K32-200HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 250nS	5962-9458502HYC	WE-128K32-250HQ	1	White Microelect.	54230

-96-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
EEPROM, 128K X 32-bit, 250nS	5962-9458502HXC	WE-128K32-250HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 250nS	5962-9458502HUC	WE-128K32N-250HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 250nS	5962-9458502HTC	WE-128K32N-250HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 300nS	5962-9458501HXC	WE-128K32-300HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 300nS	5962-9458501HYC	WE-128K32-300HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 300nS	5962-9458501HUC	WE-128K32N-300HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 300nS	5962-9458501HTC	WE-128K32N-300HQ	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 70nS	5962-9471604HZC	WF128K32N-70HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 70nS	5962-9471604HYC	WF128K32N-70HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 70nS	5962-9471604HXC	WF128K32NA-70HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 70nS	5962-9471604HUC	WF128K32-70HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 70nS	5962-9471604HWC	WF128K32NA-70HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 70nS	5962-9471604HSC	WF128K32A-70HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 70nS	5962-9471604HTC	WF128K32A-70HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 70nS	5962-9471604HVC	WF128K32-70HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 90nS	5962-9471603HZC	WF128K32N-90HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 90nS	5962-9471603HYC	WF128K32N-90HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 90nS	5962-9471603HXC	WF128K32NA-90HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 90nS	5962-9471603HUC	WF128K32-90HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 90nS	5962-9471603HWC	WF128K32NA-90HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 90nS	5962-9471603HVC	WF128K32-90HSQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 90nS	5962-9471603HSC	WF128K32A-90HQ5	1	White Microelect.	54230
EEPROM, 128K X 32-bit, 90nS	5962-9471603HTC	WF128K32A-90HSQ5	1	White Microelect.	54230
EEPROM, 32K X 32-BIT, 120ns	5962-9461402HXC	WE-32K32N-120HQ	1	White Microelect.	54230
EEPROM, 32K X 32-BIT, 120ns	5962-9461402HYC	WE-32K32N-120HQ	1	White Microelect.	54230
EEPROM, 32K X 32-BIT, 150ns	5962-9461401HYC	WE-32K32N-150HQ	1	White Microelect.	54230
EEPROM, 32K X 32-BIT, 150ns	5962-9461401HXC	WE-32K32N-150HQ	1	White Microelect.	54230
FILTER, EMI, 2.7A (TRANSORBLESS), FSC 5915	9401002HZX	FMC-461FNT/883	1	Interpoint Corp.	50821
FILTER, EMI, 2.7A (TRANSORBLESS), FSC 5915	9401002HXX	FMC-461NT/883	1	Interpoint Corp.	50821
FILTER, EMI, 2.7A, FSC 5915	9401001HZX	FMC-461F/883	1	Interpoint Corp.	50821
FILTER, EMI, 2.7A, FSC 5915	9401001HXX	FMC-461/883	1	Interpoint Corp.	50821
FILTER, EMI, 4 AMP, FSC 5915	9102001HXX	AFC-461/CH	1	Lambda Adv. Analog	52467
FILTER, EMI, 4 AMP, FSC 5915	9102001HZX	AFC-461F/CH	1	Lambda Adv. Analog	52467
FILTER, EMI, TRANSIENT SUPPRESSION MODULE, FSC 5915	94028	FM-704A/883	1	Interpoint Corp.	50821
INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553	5962-8858601XX	BUS663001I883B	1	ILC Data Device Corp	19645
INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553	5962-8858601YC	BUS663011I883	1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER	5962-9306504HZX	BU-61580J2	1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM,	5962-9306504HYX	BU-61580F2	1	ILC Data Device Corp	19645

-97-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
+5/-12V TRANSCEIVER						
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER	5962-9306504HXX	BU-61580D2		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER	5962-9306508HXX	BU-61581D2		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER	5962-9306508HYX	BU-61581F2		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-12V TRANSCEIVER	5962-9306508HZX	BU-61581J2		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	5962-9306503HYX	BU-61580F1		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	5962-9306503HZX	BU-61580J1		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	5962-9306503HXX	BU-61580D1		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	5962-9306507HYX	BU-61581F1		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	5962-9306507HZX	BU-61581J1		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RT/MT, W/4K RAM, +5/-15V TRANSCEIVER	5962-9306507HXX	BU-61581D1		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-8869201XC	BUS61553II-883		1	DDC Ireland LTD.	S7631
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-8869201YX	BUS61563-883B		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-8869201XX	BUS61553-883B		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-8869201TX	BUS61563II-601		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-8869201ZX	BUS61563-883B		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-8869202XX	BUS61554-883B		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-8869202XC	BUS61554II-883		1	DDC Ireland LTD.	S7631
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-8869202ZX	BUS61564-883B		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-8869202YC	BUS61564-883B		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173401HZX	BUS61569		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173401HXX	BUS61559		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173401HYX	BUS61569		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173402HZX	BUS61570		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173402HYX	BUS61570		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173402HXX	BUS61560		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173403HYX	BUS61571		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173403HXX	BUS61561		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173403HZX	BUS61571		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173404HYX	BUS61569-601		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173404HXX	BUS61559-601		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT	5962-9173404HZX	BUS61569-601		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCEIVER	5962-8869203XC	BUS61555-883B		1	ILC Data Device Corp	19645

-98-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCIEVER	5962-8869203ZC	BUS61565-883B		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCIEVER	5962-8869203YC	BUS61565-883B		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, BC/RTU/MT, TRANSCIEVERLESS	5962-8869204XC	BUS61556-883B		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCIEVER	5962-9306502HZX	BU-65170J2		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCIEVER	5962-9306502HXX	BU-65170D2		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCIEVER	5962-9306502HYX	BU-65170F2		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCIEVER	5962-9306506HXX	BU-65171D2		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCIEVER	5962-9306506HYX	BU-65171F2		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-12V TRANSCIEVER	5962-9306506HZX	BU-65171J2		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCIEVER	5962-9306501HZX	BU-65170J1		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCIEVER	5962-9306501HYX	BU-65170F1		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCIEVER	5962-9306501HXX	BU-65170D1		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCIEVER	5962-9306505HXX	BU-65171D1		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCIEVER	5962-9306505HYX	BU-65171F1		1	ILC Data Device Corp	19645
MULTIPLEXED TERMINAL, MIL-STD-1553, RT, W/4K RAM, +5/-15V TRANSCIEVER	5962-9306505HZX	BU-65171J1		1	ILC Data Device Corp	19645
MULTIPLEXER, DUAL 8-CHANNEL, WITH SAMPLE AND HOLD	5962-8956501XX	HS362SB		1	Sipex Corporation	33256
OP AMP, DUAL, HIGH POWER, WIDE COMMON MODE RANGE	5962-9215201HXA	PA21M/883		1	Apex Microtechnology	60024
OP AMP, DUAL, HIGH POWER, WIDE COMMON MODE RANGE	5962-9215201HXC	PA21M/883		1	Apex Microtechnology	60024
OP AMP, FAST SETTLING VIDEO	5962-8857901XC	HOS-050A		1	Analog Devices, Inc	34031
OP AMP, FAST SETTLING VIDEO	5962-8857902XC	HOS-060SH		1	Analog Devices, Inc	34031
OP AMP, FET-INPUT, DIFFERENTIAL	5962-9157401HXX	MSK 801B		1	M.S Kennedy Corp.	51651
OP AMP, HIGH-POWER	5962-8762001XX	MIOP42106/883		1	Micropac Industries	31757
OP AMP, HIGH-POWER	5962-8762002XX	PA51M/883		1	Apex Microtechnology	60024
OP AMP, HIGH-POWER	5962-8870101YX	OMA541SDB		1	Omnirel Corporation	69210
OP AMP, HIGH-POWER	5962-8870101XX			1	NO APPROVED SOURCE	XXXXX
OP AMP, HIGH-SPEED, WIDEBAND	5962-8959401XX	CLC231A8C		1	Comlinear Corp.	62839
OP AMP, HIGH-SPEED, WIDEBAND	5962-8991001XX	CLC200A8C		1	Comlinear Corp.	62839
OP AMP, HIGH-SPEED, WIDEBAND	5962-8991101XX	CLC220A8C		1	Comlinear Corp.	62839
OP AMP, HIGH-SPEED, WIDEBAND	5962-9083601HXX			1	NO APPROVED SOURCE	XXXXX
OP AMP, HIGH-VOLTAGE	5962-9073601HXX	PA84M/883		1	Apex Microtechnology	60024
OP AMP, POWER	8508701ZX	MSK 0041B		1	M.S Kennedy Corp.	51651

-99-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
OP AMP, POWER	8508701ZX	ELH0041G/883B		1	Elantec Incorporated	64762
OP AMP, POWER	8508701ZX	CTS0041ZB		1	CTS Microelectronics	23223
OP AMP, POWER	8508801YX	ELH0021K/883B		1	Elantec Incorporated	64762
OP AMP, POWER	8508801YX	CTS0021ZB		1	CTS Microelectronics	23223
OP AMP, POWER	8508901YX	ELH0101AK/883B		1	Elantec Incorporated	64762
OP AMP, POWER	8508902YX	ELH0101AK/883B		1	Elantec Incorporated	64762
OP AMP, POWER	5962-9063801HXX	MIOP42114/883		1	Micropac Industries	31757
OP AMP, POWER	5962-9063801HXX	PA07M/883		1	Apex Microtechnology	60024
OP AMP, POWER	5962-9065901HXX	PA12M/883		1	Apex Microtechnology	60024
OP AMP, POWER	5962-9065901HXX	MIOP42109/883		1	Micropac Industries	31757
OP AMP, POWER	5962-9067901HXX	MIOP42120/883		1	Micropac Industries	31757
OP AMP, POWER	5962-9067901HXX	PA02M/883		1	Apex Microtechnology	60024
OP AMP, POWER	5962-9072301HXX	MIOP42116/883		1	Micropac Industries	31757
OP AMP, POWER	5962-9072301HXX	PA08M/883		1	Apex Microtechnology	60024
OP AMP, POWER	5962-9082801HXX	PA10M/883		1	Apex Microtechnology	60024
OP AMP, POWER	5962-9082801HXX	MIOP42115/883		1	Micropac Industries	31757
OP AMP, POWER	5962-9162101HXX	PA83M/883		1	Apex Microtechnology	60024
OP AMP, POWER	5962-9170001HXX	PA09M/883		1	Apex Microtechnology	60024
OP AMP, POWER	5962-9170001HXX	MIOP42119/883		1	Micropac Industries	31757
OP AMP, WIDEBAND	5962-89813013A	HC1437L/883		1	Hycorp, Incorporated	34707
OP AMP, WIDEBAND	5962-8981301GX			1	NO APPROVED SOURCE	XXXXX
OP AMP, WIDEBAND	5962-8981301GC	MSK 437B		1	M.S Kennedy Corp.	51651
OP AMP, WIDEBAND	5962-8981302GC	MSK 438B		1	M.S Kennedy Corp.	51651
OP AMP, WIDEBAND, HIGH-SPEED	5962-9083301HXX	CLC201A8C		1	Comlinear Corp.	62839
OP AMP, WIDEBAND, LOW DISTORTION	5962-9097701HXX	CLC207A8C		1	Comlinear Corp.	62839
OP AMP, WIDEBAND, LOW DISTORTION	5962-9166501HXX	CLC232A8C		1	Comlinear Corp.	62839
OP AMP, WIDEBAND, OVERDRIVE PROTECTED	5962-8985801XX	CLC206A8C		1	Comlinear Corp.	62839
OP AMP, WIDEBAND, OVERDRIVE PROTECTED	5962-9083501HXX	CLC205A8C		1	Comlinear Corp.	62839
OPTOCOUPLER, 4-CHANNEL	8302401ZX	6N140A/883B#600		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, 4-CHANNEL	8302401YX	6N140A/883B		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, 4-CHANNEL	8302401XA	6N140A/883B		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, 4-CHANNEL	8302401EX	6N140A/883B		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, 4-CHANNEL	8302401EX	6N140/883B		1	Micropac Industries	31757
OPTOCOUPLER, AC/DC TO LOGIC INTERFACE	5962-8947701PX	HCPL-5761		2	Hewlett-Packard Co.	50434
OPTOCOUPLER, AC/DC TO LOGIC INTERFACE	5962-8947701XA	HCPL-5761#300		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, AC/DC TO LOGIC INTERFACE	5962-8947701YX	HCPL-5761#100		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL	8102801EX	66013-001		1	Micropac Industries	31757
OPTOCOUPLER, DUAL	8102801XX	66072-001/883B		1	Micropac Industries	31757

-100-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
OPTOCOUPLER, DUAL	8102801TA	6N134/883B#300		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL	8102801EX	6N134/883B		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL	8102801UX	6N134/883B#100		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL	5962-8767901UX	4N55/883B#100		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL	5962-8767901EX	4N55/883B		1	Micropac Industries	31757
OPTOCOUPLER, DUAL	5962-8767901TA	4N55/883B#300		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL	5962-8767901EX	4N55/883B		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL	5962-8876901XA	HCPL-5231#300		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL	5962-8876901PX	HCPL-5231		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL	5962-8876901YX	HCPL-5231#100		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER	5962-8957201EX	HCPL-1931		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER	5962-8957201XA	HCPL-1931		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL LINE RECEIVER	5962-8957201YX	HCPL-1931		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	8102802ZA	HCPL-5631#300		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	8102802PX	HCPL-5631		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	8102802YX	HCPL-5631#100		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	8102802PX	66056-103		1	Micropac Industries	31757
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8767902XA	HCPL-5531#300		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8767902PX	66126-103		1	Micropac Industries	31757
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8767902PX	HCPL-5531		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8767902YX	HCPL-5531#100		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8957101XA	HCPL-5431#300		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8957101YX	HCPL-5431#100		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8957101PX	HCPL-5431		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8978501PX	66058-003		1	Micropac Industries	31757
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8978501YX	HCPL-5731#100		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8978501ZA	HCPL-5731#300		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8978501XX	66071-001		1	Micropac Industries	31757
OPTOCOUPLER, DUAL-CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-8978501PX	HCPL-5731		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLT. AND GND. CONNECTIONS	5962-8876902ZA	HCPL-6231		1	Hewlett-Packard Co.	50434

-101-
HYBRID MICROCIRCUITS
QML-38534-20

01/05/95

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	81028032X	66123-001		1	Micropac Industries	31757
OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	81028032A	HCPL-6631		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-87679032A	HCPL-6531		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-89571022X	HCPL-6431		3	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-89785022X	HCPL-6731		2	Hewlett-Packard Co.	50434
OPTOCOUPLER, DUAL-CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS	5962-89785022X	66124-001		1	Micropac Industries	31757
OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET	5962-9314001HXA	HSSR-7111#300		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET	5962-9314001HZX	HSSR-7111#600		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET	5962-9314001HYX	HSSR-7111#100		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET	5962-9314001HZA	HSSR-7111#600		2	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGE-CHANNEL, POWER MOSFET	5962-9314001HPX	HSSR-7111		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL	5962-8876801PX	HCPL-5201		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL	5962-8876801XX	HCPL-5201#300		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL	5962-8876801YX	HCPL-5201#100		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL	5962-9167601HXX	66079-001		1	Micropac Industries	31757
OPTOCOUPLER, SINGLE-CHANNEL	5962-9167601HYX	66079-000		1	Micropac Industries	31757
OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN	5962-8981001YX	HCPL-5701#100		2	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN	5962-8981001XX	HCPL-5701#300		2	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN	5962-8981001PX	66058-105		1	Micropac Industries	31757
OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN	5962-8981001PX	HCPL-5701		2	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	5962-8957001YX	HCPL-5401#100		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	5962-8957001PX	HCPL-5401		2	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	5962-8957001XA	HCPL-5401#300		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	5962-9085501HPX	HCPL-5601		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	5962-9085501HXX	HCPL-5601#300		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED	5962-9085501HYX	HCPL-5601#100		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT	5962-9085401HPX	66126-105		1	Micropac Industries	31757
OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT	5962-9085401HPX	HCPL-5501		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT	5962-9085401HYX	HCPL-5501		1	Hewlett-Packard Co.	50434
OPTOCOUPLER, SINGLE-CHANNEL, TRANSISTOR OUTPUT	5962-9085401HXA	HCPL-5501		1	Hewlett-Packard Co.	50434
PROM, ELECTR. ERASABLE, 128K X 8, 150 NS ACCESS TIME	5962-9315402HXC	WE-128K8-150CQ		1	White Microelect.	54230
PROM, ELECTR. ERASABLE, 128K X 8, 200 NS ACCESS TIME	5962-9315401HXC	WE-128K8-200CQ		1	White Microelect.	54230
PROM, ELECTR. ERASABLE, 256K X 8, 150 NS ACCESS TIME	5962-9315502HXC	WE-256K8-150CQ		1	White Microelect.	54230
PROM, ELECTR. ERASABLE, 256K X 8, 200 NS ACCESS TIME	5962-9315501HXC	WE-256K8-200CQ		1	White Microelect.	54230
PROM, ELECTR. ERASABLE, 512K X 8, 150 NS ACCESS TIME	5962-9309101HXC	WE-512K8-150CQ		1	White Microelect.	54230

-102-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
PROM, ELECTR. ERASABLE, 512K X 8, 200 NS ACCESS TIME	5962-9309104HXC	WE-512K8-200CQ	1	White Microelect.	54230
PROM, ELECTR. ERASABLE, 512K X 8, 250 NS ACCESS TIME	5962-9309103HXC	WE-512K8-250CQ	1	White Microelect.	54230
PROM, ELECTR. ERASABLE, 512K X 8, 300 NS ACCESS TIME	5962-9309102HXC	WE-512K8-300CQ	1	White Microelect.	54230
R/D CONVERTER, 11.8 V, 400 HZ	5962-9082004HXC	HRD1006-C148A/2	1	Natel Engineering Co	09059
R/D CONVERTER, 11.8 V, 400 HZ	5962-9082005HXC	HRD1056-C775/2	1	Natel Engineering Co	09059
R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8990802XX	SDC14565-115	1	DDC Ireland LTD.	S7631
R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8990802ZA	SDC14565-622	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8990802XA	SDC14565-145	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8990802XC	SDC14565-115	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8990802YC	SDC14565-630	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8990802YA	SDC14565-630	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8990802ZC	SDC14565-622	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8990807XX	HRD1066-381V/2	1	Natel Engineering Co	09059
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990801XX	SDC14565-114	1	DDC Ireland LTD.	S7631
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990801ZA	SDC14565-621	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990801ZC	SDC14565-621	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990801YA	SDC14565-629	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990801YC	SDC14565-629	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990801XC	SDC14565-114	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990801XA	SDC14565-144	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990803XA	SDC14565-616	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990803XC	SDC14565-616	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990803ZC	SDC14565-616	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990803XC	SDC14565-616	1	DDC Ireland LTD.	S7631
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990803ZC	SDC14565-616C	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990803XC	SDC14565-616	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990803ZA	SDC14565-616	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8990806XX	HRD1066-341H/2	1	Natel Engineering Co	09059
R/D CONVERTER, 11.8 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	5962-8990808XX	HRD1066-381H/2	1	Natel Engineering Co	09059
R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	5962-8990804ZC	SDC14565-611	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	5962-8990804ZA	SDC14565-611	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	5962-8990804YA	SDC14565-609	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	5962-8990804YC	SDC14565-609	1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	5962-8990804XX	SDC14566-115	1	DDC Ireland LTD.	S7631
R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	5962-8990804XC	SDC14566-115	1	ILC Data Device Corp	19645

-103-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY	5962-8990804XA	SDC14565-145		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 2.4KHz, 1.0 MINUTE ACCURACY	5962-8990809ZA	SDC14565-602		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 2.4KHz, 1.0 MINUTE ACCURACY	5962-8990809XA	SDC14565-602		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 2.4KHz, 1.0 MINUTE ACCURACY	5962-8990809ZC	SDC14565-602		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 2.4KHz, 1.0 MINUTE ACCURACY	5962-8990809XC	SDC14565-602		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 2.4KHz, 2.0 MINUTES ACCURACY	5962-8990810ZA	SDC14565-603		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 2.4KHz, 2.0 MINUTES ACCURACY	5962-8990810XA	SDC14565-603		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 2.4KHz, 2.0 MINUTES ACCURACY	5962-8990810ZC	SDC14565-603		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 2.4KHz, 2.0 MINUTES ACCURACY	5962-8990810XC	SDC14565-603		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 400HZ, 2 MIN	5962-9453604HXA	SD-14621DX-144		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 400HZ, 2 MIN	5962-9453604HXC	SD-14621DX-114		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 400HZ, 4 MIN	5962-9453602HXC	SD-14621DX-112		1	ILC Data Device Corp	19645
R/D CONVERTER, 11.8V, 400HZ, 4 MIN	5962-9453602HXA	SD-14621DX-142		1	ILC Data Device Corp	19645
R/D CONVERTER, 6.8V, 400HZ, 2 MIN	5962-9453605HXA	SDC-14621-602		1	ILC Data Device Corp	19645
R/D CONVERTER, 6.8V, 400HZ, 2 MIN	5962-9453605HXC	SDC-14621-602		1	ILC Data Device Corp	19645
R/D CONVERTER, 7.0 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	5962-8990805XC	SDC14565-618		1	DDC Ireland LTD.	S7631
R/D CONVERTER, 7.0 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	5962-8990805ZC	SDC14565-618		1	ILC Data Device Corp	19645
R/D CONVERTER, 7.0 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	5962-8990805ZA	SDC14565-618		1	ILC Data Device Corp	19645
R/D CONVERTER, 7.0 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	5962-8990805XC	SDC14565-618		1	ILC Data Device Corp	19645
R/D CONVERTER, 7.0 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY	5962-8990805XA	SDC14565-618		1	ILC Data Device Corp	19645
REMOTE TERMINAL AND BUS CONTROLLER	5962-9477501HXA	CT 1990-1-20		1	Aeroflex Lab. Inc.	88379
REMOTE TERMINAL AND BUS CONTROLLER	5962-9477501HXC	CT 1990-1-20		1	Aeroflex Lab. Inc.	88379
REMOTE TERMINAL UNIT, DUAL REDUNDANT	5962-8753501YC	BUS65117		1	ILC Data Device Corp	19645
REMOTE TERMINAL UNIT, DUAL REDUNDANT	5962-8753501XA	BUS65112		1	ILC Data Device Corp	19645
REMOTE TERMINAL UNIT, DUAL REDUNDANT	5962-8753502YX	ARX2452FP		1	Aeroflex Lab. Inc.	88379
REMOTE TERMINAL UNIT, DUAL REDUNDANT	5962-8753502XX	ARX2452		1	Aeroflex Lab. Inc.	88379
REMOTE TERMINAL UNIT, DUAL REDUNDANT	5962-8979801XX	BUS-65142		1	ILC Data Device Corp	19645
REMOTE TERMINAL UNIT, DUAL REDUNDANT	5962-8979801YX	BUS-65144		1	ILC Data Device Corp	19645
REMOTE TERMINAL UNIT, DUAL REDUNDANT	5962-8979802XX	BUS-65143-883B		1	ILC Data Device Corp	19645
REMOTE TERMINAL UNIT, DUAL REDUNDANT	5962-8979802YX	BUS-65145-883B		1	ILC Data Device Corp	19645
REMOTE TERMINAL UNIT, LOW POWER, DUAL, REDUNDANT	5962-8763201XX			1	NO APPROVED SOURCE	XXXXX
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	5962-9168703HZC	NHI-1561RT		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	5962-9168703HUC	NHI-1561RTFP		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	5962-9168703HUA	NHI-1561RTFP		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	5962-9168703HZA	NHI-1561RT		1	National Hybrid, Inc	57363

-104-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	5962-9168704HZC	NHI-1562RT		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	5962-9168704HUC	NHI-1562RTFP		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	5962-9168704HUA	NHI-1562RTFP		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT	5962-9168704HZA	NHI-1562RT		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT, SEPARATE INPUT PIN FOR SSFLAG	5962-9168706HXX	NHI-1576RT/883		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT, SEPARATE INPUT PIN FOR SSFLAG	5962-9168706HYX			1	NO APPROVED SOURCE	XXXXX
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT, SEPARATE VCC FOR INTERNAL RAM	5962-9168705HXX	NHI-1572RT/883		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553, DUAL REDUNDANT, SEPARATE VCC FOR INTERNAL RAM	5962-9168705HYX			1	NO APPROVED SOURCE	XXXXX
REMOTE TERMINAL, MIL-STD-1553B	5962-9168701HYX	NHI-1553RTFP		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553B	5962-9168701HXX	NHI-1553RT		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553B	5962-9168702HYX	NHI-1554RTFP		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MIL-STD-1553B	5962-9168702HXX	NHI-1554RT		1	National Hybrid, Inc	57363
REMOTE TERMINAL, MUX BUS, MIL-STD-1553B	5962-9230401HYX			1	NO APPROVED SOURCE	XXXXX
REMOTE TERMINAL, MUX BUS, MIL-STD-1553B	5962-9230401HXX			1	NO APPROVED SOURCE	XXXXX
RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	5962-8768701YX	RDC14505-638C		1	ILC Data Device Corp	19645
RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	5962-8768701XC	HSDC8920A883B		1	DDC Ireland LTD.	S7631
RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	5962-8768701XC	HSDC8920A883B		1	ILC Data Device Corp	19645
RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	5962-8768702YX	RDC14505-639C		1	ILC Data Device Corp	19645
RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	5962-8768702XC	RDC14505-639		1	ILC Data Device Corp	19645
RESOLVER-TO-DIGITAL CONVERTER, 400 HZ	5962-8768702XC	HSDC8920883B		1	DDC Ireland LTD.	S7631
RESOLVER-TO-DIGITAL CONVERTER, 400 HZ, 6V INPUT	5962-8768703XC	RDC14505-641		1	DDC Ireland LTD.	S7631
RESOLVER-TO-DIGITAL CONVERTER, 400 HZ, 6V INPUT	5962-8768703XC	RDC14505-641		1	ILC Data Device Corp	19645
RESOLVER-TO-DIGITAL CONVERTER, 400 HZ, 6V INPUT	5962-8768703YX	RDC14505-641C		1	ILC Data Device Corp	19645
S-R/D CONVERTER, 11.8 V, 400 HZ	5962-9082003HXC	HSRD1006-C148/2		1	Natel Engineering Co	09059
S-R/D CONVERTER, 11.8V, 400 HZ	5962-9082001HXC	SDC14531-690		1	ILC Data Device Corp	19645
S-R/D CONVERTER, 11.8V, 400 HZ	5962-9082002HXC	SDC14531-631		1	ILC Data Device Corp	19645
S-R/D CONVERTER, 11.8V, 400 HZ	5962-9213801HXX	HRSD-1006-341VR		1	Natel Engineering Co	09059
S-R/D CONVERTER, 11.8V, 400 HZ	5962-9213802HXX	HSRD-1006-341VS		1	Natel Engineering Co	09059
S-R/D CONVERTER, 11.8V, 400 HZ	5962-9213803HXX	HSRD-1006-341H		1	Natel Engineering Co	09059
S-R/D CONVERTER, 11.8V, 400 HZ	5962-9213804HXX	HSRD-1006-341S		1	Natel Engineering Co	09059
S/D CONVERTER, 10-BIT, 90V, 60 HZ	5962-9161501HXX	HSD1510-369/2		1	Natel Engineering Co	09059
S/D CONVERTER, 11.8V, 400HZ, 2 MIN	5962-9453603HXC	SD-14620DX-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 11.8V, 400HZ, 2 MIN	5962-9453603HXA	SD-14620DX-144		1	ILC Data Device Corp	19645
S/D CONVERTER, 11.8V, 400HZ, 4 MIN	5962-9453601HXC	SD-14620DX-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 11.8V, 400HZ, 4 MIN	5962-9453601HXA	SD-14620DX-142		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V	5962-9173601HXX	SDC14600-112		1	ILC Data Device Corp	19645

-105-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
S/D CONVERTER, 14-BIT, 11.8V	5962-9173602HXX	SDC14600T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V	5962-9173603HXX	SDC14601-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V	5962-9173604HXX	SDC14601T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V	5962-9173605HXX	SDC14605-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V	5962-9173606HXX	SDC14605T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V	5962-9173607HXX	SDC14606-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V	5962-9173608HXX	SDC14606T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V	5962-9173609HXX	SDC14605-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V	5962-9173610HXX	SDC14605T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V	5962-9173611HXX	SDC14606-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V	5962-9173612HXX	SDC14606T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9204801HXX	SDC14570-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9204802HXX	SDC14571-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205301HXX	SDC14610-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205302HXX	SDC14610T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205303HXX	SDC14611-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205304HXX	SDC14611T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205305HXX	SDC14615-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205306HXX	SDC14615T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205307HXX	SDC14616-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205308HXX	SDC14616T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205309HXX	SDC14615-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205310HXX	SDC14615T-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205311HXX	SDC14616-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 11.8V, 400 HZ	5962-9205312HXX	SDC14616T-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9204901HXX	SDC14572-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205101HXX	SDC14602-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205102HXX	SDC14602T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205105HXX	SDC14607-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205106HXX	SDC14607T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205109HXX	SDC14607-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205110HXX	SDC14607T-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205401HXX	SDC14612-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205402HXX	SDC14612T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205405HXX	SDC14617-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205406HXX	SDC14617T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205409HXX	SDC14617-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 400 HZ	5962-9205410HXX	SDC14617T-114		1	ILC Data Device Corp	19645

-106-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9204902HXX	SDC14574-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205103HXX	SDC14604-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205104HXX	SDC14604T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205107HXX	SDC14609-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205108HXX	SDC14609T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205111HXX	SDC14609-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205112HXX	SDC14609T-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205403HXX	SDC14614-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205404HXX	SDC14614T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205407HXX	SDC14619-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205408HXX	SDC14619T-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205411HXX	SDC14619-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14-BIT, 90V, 60 HZ	5962-9205412HXX	SDC14619T-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14/16-BIT, 11.8V, 400 HZ	5962-9204803HXX	SDC14575-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14/16-BIT, 11.8V, 400 HZ	5962-9204804HXX	SDC14576-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14/16-BIT, 11.8V, 400 HZ	5962-9204805HXX	SDC14575-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14/16-BIT, 11.8V, 400 HZ	5962-9204806HXX	SDC14576-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14/16-BIT, 90V, 400 HZ	5962-9204903HXX	SDC14577-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14/16-BIT, 90V, 400 HZ	5962-9204905HXX	SDC14577-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 14/16-BIT, 90V, 60 HZ	5962-9204904HXX	SDC14579-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 14/16-BIT, 90V, 60 HZ	5962-9204906HXX	SDC14579-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 16-BIT, 11.8V, 400 HZ	5962-9156001HXX	HSD1046-341V/2		1	Natel Engineering Co	09059
S/D CONVERTER, 16-BIT, 11.8V, 400 HZ	5962-9156002HXX	HSD1046-341H/2		1	Natel Engineering Co	09059
S/D CONVERTER, 16-BIT, 11.8V, 400 HZ	5962-9156003HXX	HSD1046-341S/2		1	Natel Engineering Co	09059
S/D CONVERTER, 90V, 400 HZ, 2 MIN	5962-9454703HXA	SD-14622DX-144		1	ILC Data Device Corp	19645
S/D CONVERTER, 90V, 400 HZ, 2 MIN	5962-9454703HXC	SD-14622DX-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 90V, 400 HZ, 4 MIN	5962-9454701HXC	SD-14622DX-112		1	ILC Data Device Corp	19645
S/D CONVERTER, 90V, 400 HZ, 4 MIN	5962-9454701HXA	SD-14622DX-142		1	ILC Data Device Corp	19645
S/D CONVERTER, 90V, 60 HZ, 2 MIN	5962-9454704HXA	SD-14624DX-144		1	ILC Data Device Corp	19645
S/D CONVERTER, 90V, 60 HZ, 2 MIN	5962-9454704HXC	SD-14624DX-114		1	ILC Data Device Corp	19645
S/D CONVERTER, 90V, 60 HZ, 4 MIN	5962-9454702HXA	SD-14624DX-142		1	ILC Data Device Corp	19645
S/D CONVERTER, 90V, 60 HZ, 4 MIN	5962-9454702HXC	SD-14624DX-112		1	ILC Data Device Corp	19645
SAMPLE AND HOLD AMPLIFIER, 16-BIT	5962-8956601HCX			1	NO APPROVED SOURCE	XXXXX
SAMPLE AND HOLD AMPLIFIER, 16-BIT	5962-8956601HXX	HS9716TB-1		1	Sipex Corporation	33256
SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	5962-8994001HXX	AD346SD/883		1	Analog Devices, Inc	34031
SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	5962-8994002HXC	MN346H/B		1	Micro Networks Co.	50507
SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	5962-8994002HXA	MN346H/B		1	Micro Networks Co.	50507
SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	5962-9073001HXX	MN376H/B		1	Micro Networks Co.	50507

-107-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED	5962-9073001YX	HTC-0300AM/883	1	Analog Devices, Inc	34031
SAMPLE AND HOLD AMPLIFIER, MULTIPLEXED	5962-9057101HXC	MN7130H/B	1	Micro Networks Co.	50507
SAMPLE AND HOLD AMPLIFIER, MULTIPLEXED	5962-9057101HXA	MN7130H/B	1	Micro Networks Co.	50507
SRAM, 128K X 32-BIT	5962-9318701HUC	WS-128K32-120HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318701HYC	WS-128K32-120HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318701HTC	WS-128K32-120HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318701HXC	WS-128K32-120HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318702HXC	WS-128K32-100HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318702HUC	WS-128K32-100HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318702HTC	WS-128K32-100HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318702HYC	WS-128K32-100HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318703HTC	WS-128K32-85HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318703HYC	WS-128K32-85HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318703HUC	WS-128K32-85HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318703HXC	WS-128K32-85HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318704HUC	WS-128K32-70HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318704HXC	WS-128K32-70HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318704HYC	WS-128K32-70HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318704HTC	WS-128K32-70HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318705HYC	WS-128K32-55HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318705HTC	WS-128K32-55HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318705HXC	WS-128K32-55HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318705HUC	WS-128K32-55HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318706HTC	WS-128K32-45HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318706HUC	WS-128K32-45HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318706HXC	WS-128K32-45HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318706HYC	WS-128K32-45HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318707HXC	WS-128K32-35HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318707HYC	WS-128K32-35HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318707HUC	WS-128K32-35HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318707HTC	WS-128K32-35HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318708HYC	WS-128K32-25HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318708HUC	WS-128K32-25HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318708HXC	WS-128K32-25HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318708HTC	WS-128K32-25HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318709HYC	WS-128K32-20HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318709HUC	WS-128K32-20HQ	1	White Microelect.	54230
SRAM, 128K X 32-BIT	5962-9318709HXC	WS-128K32-20HQ	1	White Microelect.	54230

-108-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
SRAM, 128K X 32-BIT	5962-9318709HTC	WS-128K32-20HQ	1	White Microelect.	54230
STATIC RAM, 128K X 8, 100 NS ACCESS TIME	5962-9315602HXC	WS-128K8-100CQ	1	White Microelect.	54230
STATIC RAM, 128K X 8, 120 NS ACCESS TIME	5962-9315601HXC	WS-128K8-120CQ	1	White Microelect.	54230
STATIC RAM, 128K X 8, 25 NS ACCESS TIME	5962-9315608HXC	WS-128K8-25CQ	1	White Microelect.	54230
STATIC RAM, 128K X 8, 35 NS ACCESS TIME	5962-9315607HXC	WS-128K8-35CQ	1	White Microelect.	54230
STATIC RAM, 128K X 8, 45 NS ACCESS TIME	5962-9315606HXC	WS-128K8-45CQ	1	White Microelect.	54230
STATIC RAM, 128K X 8, 55 NS ACCESS TIME	5962-9315605HXC	WS-128K8-55CQ	1	White Microelect.	54230
STATIC RAM, 128K X 8, 70 NS ACCESS TIME	5962-9315604HXC	WS-128K8-70CQ	1	White Microelect.	54230
STATIC RAM, 128K X 8, 85 NS ACCESS TIME	5962-9315603HXC	WS-128K8-85CQ	1	White Microelect.	54230
STATIC RAM, 256K X 8, 100 NS ACCESS TIME	5962-9315702HXC	WS-256K8-100CQ	1	White Microelect.	54230
STATIC RAM, 256K X 8, 120 NS ACCESS TIME	5962-9315701HXC	WS-256K8-120CQ	1	White Microelect.	54230
STATIC RAM, 256K X 8, 25 NS ACCESS TIME	5962-9315708HXC	WS-256K8-25CQ	1	White Microelect.	54230
STATIC RAM, 256K X 8, 35 NS ACCESS TIME	5962-9315707HXC	WS-256K8-35CQ	1	White Microelect.	54230
STATIC RAM, 256K X 8, 45 NS ACCESS TIME	5962-9315706HXC	WS-256K8-45CQ	1	White Microelect.	54230
STATIC RAM, 256K X 8, 55 NS ACCESS TIME	5962-9315705HXC	WS-256K8-55CQ	1	White Microelect.	54230
STATIC RAM, 256K X 8, 70 NS ACCESS TIME	5962-9315704HXC	WS-256K8-70CQ	1	White Microelect.	54230
STATIC RAM, 256K X 8, 85 NS ACCESS TIME	5962-9315703HXC	WS-256K8-85CQ	1	White Microelect.	54230
STATIC RAM, 512K X 8, 100 NS ACCESS TIME	5962-9207802HXC	WS-512K8-100CQ	1	White Microelect.	54230
STATIC RAM, 512K X 8, 120 NS ACCESS TIME	5962-9207801HXC	WS-512K8-120CQ	1	White Microelect.	54230
STATIC RAM, 512K X 8, 25 NS ACCESS TIME	5962-9207808HXC	WS-512K8-25CQ	1	White Microelect.	54230
STATIC RAM, 512K X 8, 35 NS ACCESS TIME	5962-9207807HXC	WS-512K8-35CQ	1	White Microelect.	54230
STATIC RAM, 512K X 8, 45 NS ACCESS TIME	5962-9207806HXC	WS-512K8-45CQ	1	White Microelect.	54230
STATIC RAM, 512K X 8, 55 NS ACCESS TIME	5962-9207805HXC	WS-512K8-55CQ	1	White Microelect.	54230
STATIC RAM, 512K X 8, 70 NS ACCESS TIME	5962-9207804HXC	WS-512K8-70CQ	1	White Microelect.	54230
STATIC RAM, 512K X 8, 85 NS ACCESS TIME	5962-9207803HXC	WS-512K8-85CQ	1	White Microelect.	54230
SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8949902XX	SDC14560-115	1	DDC Ireland LTD.	S7631
SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8949902XX	SDC14560III1-60	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8949902YX	SDC14560III1-60	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY	5962-8949905XX	HSD1066-341V/2	1	Natel Engineering Co	09059
SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949901XX	SDC14560III1-60	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949901YX	SDC14560III1-60	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949901XX	SDC14560-114	1	DDC Ireland LTD.	S7631
SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949903XC	SDC14560-605	1	DDC Ireland LTD.	S7631
SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949903XC	SDC14560III605	1	ILC Data Device Corp	19645

-109-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949903YX	SDC14560III1-60	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949906XX	HSD1066-C778H/2	1	Natel Engineering Co	09059
SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	5962-9070701HXX	SDC14500-635	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	5962-9070701HXC	SDC14500-635	1	DDC Ireland LTD.	S7631
SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	5962-9070701HXC	SDC14500-635	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	5962-9070701HYX	HSDC-8917II-1-A	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	5962-9070702HXC	SDC14500-636	1	DDC Ireland LTD.	S7631
SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	5962-9070702HYX	HSDC-8917II-1	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	5962-9070702HXX	SDC14500-636	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	5962-9070702HXC	SDC14500-636	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	5962-9070705HXX	HSD1024-C672H/2	1	Natel Engineering Co	09059
SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V	5962-9070706HXX	HSD1024-C673H/2	1	Natel Engineering Co	09059
SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	5962-9070703HXX	SDC14502-605	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	5962-9070703HXC	SDC14502-605	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	5962-9070703HXC	SDC14502-605	1	DDC Ireland LTD.	S7631
SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	5962-9070703HYX	HSDC-8919II-1-A	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	5962-9070704HYX	HSDC-8919II-1	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	5962-9070704HXC	SDC14500-636	1	DDC Ireland LTD.	S7631
SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	5962-9070704HXC	SDC14502-606	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	5962-9070704HXX	SDC14502-606	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	5962-9070707HXX	HSD1024-C674H/2	1	Natel Engineering Co	09059
SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V	5962-9070708HXX	HSD1024-C675H/2	1	Natel Engineering Co	09059
SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 1.0 MINUTES ACCURACY	5962-8949802XX	SDC14561III115	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 1.0 MINUTES ACCURACY	5962-8949802XX	SDC14561-115	1	DDC Ireland LTD.	S7631
SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 1.0 MINUTES ACCURACY	5962-8949802YX	SDC14561III1-60	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949801XX	SDC14561-114	1	DDC Ireland LTD.	S7631
SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949801XX	SDC14561III114	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949801YX	SDC14561III1-60	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 90V, 400 HZ, 1.0 MINUTES ACCURACY	5962-8949804XX	HSD1066-349V/2	1	Natel Engineering Co	09059
SYNCHRO-TO-DIGITAL CONVERTER, 90V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949803XX	HSD1066-349H/2	1	Natel Engineering Co	09059
SYNCHRO-TO-DIGITAL CONVERTER, 90V, 60 HZ, 2.0 MINUTES ACCURACY	5962-8949805YX	SDC14562III1-11	1	ILC Data Device Corp	19645
SYNCHRO-TO-DIGITAL CONVERTER, 90V, 60 HZ, 2.0 MINUTES ACCURACY	5962-8949805XX	SDC14562III1-11	1	ILC Data Device Corp	19645

-110-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
SYNCRHO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY	5962-8949904XX	HSD1066-341H/2	1	Natel Engineering Co	09059
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V (SMITH INTERFACE)	5962-9206102HXX		1	NO APPROVED SOURCE	XXXXX
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V (SMITH INTERFACE)	5962-9206102HZX		1	NO APPROVED SOURCE	XXXXX
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V (SMITH INTERFACE)	5962-9206102HYX		1	NO APPROVED SOURCE	XXXXX
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	5962-9206104HNC	NHI-1568FP	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	5962-9206104HMC	NHI-1568	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	5962-9206104HTX	NHI-1560/883	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	5962-9206104HZC	NHI-1574FP	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	5962-9206104HZA	NHI-1574FP	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	5962-9206104HNA	NHI-1568FP	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY HIGH	5962-9206104HMA	NHI-1568	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	5962-9206103HNC	NHI-1567FP	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	5962-9206103HZC	NHI-1573FP	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	5962-9206103HMC	NHI-1567	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	5962-9206103HZA	NHI-1573FP	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	5962-9206103HMA	NHI-1567	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	5962-9206103HTX	NHI-1559/883	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	5962-9206103HUX	NHI-1559FP/883	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, STANDBY LOW	5962-9206103HNA	NHI-1567FP	1	National Hybrid, Inc	57363
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, ±5V (HARRIS INTERFACE)	5962-9206101HYX		1	NO APPROVED SOURCE	XXXXX
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, ±5V (HARRIS INTERFACE)	5962-9206101HZX		1	NO APPROVED SOURCE	XXXXX
TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, ±5V (HARRIS INTERFACE)	5962-9206101HXX		1	NO APPROVED SOURCE	XXXXX
TRANSCEIVER, MacAir, STANDBY HIGH	5962-9206106HNA	NHI-1570FP	1	National Hybrid, Inc	57363
TRANSCEIVER, MacAir, STANDBY HIGH	5962-9206106HNC	NHI-1570FP	1	National Hybrid, Inc	57363
TRANSCEIVER, MacAir, STANDBY HIGH	5962-9206106HUX	NHI-1577FP/883	1	National Hybrid, Inc	57363
TRANSCEIVER, MacAir, STANDBY HIGH	5962-9206106HMA	NHI-1570	1	National Hybrid, Inc	57363
TRANSCEIVER, MacAir, STANDBY HIGH	5962-9206106HMC	NHI-1570	1	National Hybrid, Inc	57363
TRANSCEIVER, MacAir, STANDBY HIGH	5962-9206106HTX	NHI-1577/883	1	National Hybrid, Inc	57363
TRANSCEIVER, MacAir, STANDBY LOW	5962-9206105HNA	NHI-1569FP	1	National Hybrid, Inc	57363
TRANSCEIVER, MacAir, STANDBY LOW	5962-9206105HNC	NHI-1569FP	1	National Hybrid, Inc	57363
TRANSCEIVER, MacAir, STANDBY LOW	5962-9206105HMA	NHI-1569	1	National Hybrid, Inc	57363
TRANSCEIVER, MacAir, STANDBY LOW	5962-9206105HMC	NHI-1569	1	National Hybrid, Inc	57363
TRANSCEIVER, MacAir, STANDBY LOW	5962-9206105HTX	NHI-1563/883	1	National Hybrid, Inc	57363
TRANSCEIVER, MacAir, STANDBY LOW	5962-9206105HUX	NHI-1563FP/883	1	National Hybrid, Inc	57363
VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	5962-9055401XC	HSDC8915A883B	1	ILC Data Device Corp	19645

-111-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE II

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER PART NUMBER	SIMILAR 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	5962-9055401XX	XDC14507-628		1	ILC Data Device Corp	19645
VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	5962-9055401XC	HSDC8915A883B		1	DDC Ireland LTD.	S7631
VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	5962-9055401YX	XDC14507-628		1	ILC Data Device Corp	19645
VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	5962-9055402XX	XDC14507-627		1	ILC Data Device Corp	19645
VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	5962-9055402XC	HSDC8915883D		1	DDC Ireland LTD.	S7631
VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	5962-9055402XC	HSDC8915883B		1	ILC Data Device Corp	19645
VOLT. FOLLOWER, BUFFER INPUT, 400 HZ	5962-9055402YX	XDC14507-627		1	ILC Data Device Corp	19645
VOLT. FOLLOWER/BUFFER	8001401ZA	ELH0033G/883B		1	Elantec Incorporated	64762
VOLT. FOLLOWER/BUFFER	8001401ZC	ELH0033G/883B		1	Elantec Incorporated	64762
VOLT. REFERENCE, +10.000V, PRECISION	8503001YX	HC2700SD/883B		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, +10.000V, PRECISION	8503001YX	2700SD/883B		1	Analog Devices, Inc	34031
VOLT. REFERENCE, +10.000V, PRECISION	8503001CX	HS2700SD/883B		1	Sipex Corporation	33256
VOLT. REFERENCE, +10.000V, PRECISION	85030013A	HC2700SLCC/883B		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, +10.000V, PRECISION	8503002YX	HC2700UD/883B		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, +10.000V, PRECISION	8503002YX	2700UD/883B		1	Analog Devices, Inc	34031
VOLT. REFERENCE, +10.000V, PRECISION	85030023A	HC2700ULCC/883B		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, +10.000V, PRECISION	8503002CX	HS2700UD/883B		1	Sipex Corporation	33256
VOLT. REFERENCE, +10.000V/+1V, PRECISION	5962-9094301H3A	HC9172		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, -10.000V, PRECISION	85030053A	HC2701SLCC/883B		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, -10.000V, PRECISION	8503005YX	HC2701SD/883B		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, -10.000V, PRECISION	8503005YX	2701SD/883B		1	Analog Devices, Inc	34031
VOLT. REFERENCE, -10.000V, PRECISION	8503005CX	HS2701SD/883B		1	Sipex Corporation	33256
VOLT. REFERENCE, -10.000V, PRECISION	8503006YX	HC2701UD/883B		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, -10.000V, PRECISION	85030063A	HC2701ULCC/883B		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, -10.000V, PRECISION	8503006YX	2701UD/883B		1	Analog Devices, Inc	34031
VOLT. REFERENCE, -10.000V, PRECISION	8503006CX	HS2701UD/883B		1	Sipex Corporation	33256
VOLT. REFERENCE, ±10.000V, PRECISION	8503003CX	HS2702SD/883B		1	Sipex Corporation	33256
VOLT. REFERENCE, ±10.000V, PRECISION	85030033A	HC2702SLCC/883B		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, ±10.000V, PRECISION	8503003YX	2702SD/883B		1	Analog Devices, Inc	34031
VOLT. REFERENCE, ±10.000V, PRECISION	8503003YX	HC2702SD/883B		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, ±10.000V, PRECISION	85030043A	HC2702ULCC/883B		1	Hycomp, Incorporated	34707
VOLT. REFERENCE, ±10.000V, PRECISION	8503004CX	HS2702UD/883B		1	Sipex Corporation	33256
VOLT. REFERENCE, ±10.000V, PRECISION	8503004YX	2702UD/883B		1	Analog Devices, Inc	34031
VOLT. REFERENCE, ±10.000V, PRECISION	8503004YX	HC2702UD/883B		1	Hycomp, Incorporated	34707
VOLT. REGULATOR	5962-9313401HXX	ARX5006		1	Aeroflex Lab. Inc.	88379
VOLT. REGULATOR	5962-9313401HXX	CJSE298		1	Solitron Devices	21845
VOLT. REGULATOR	5962-9313402HXX	CJSE299		1	Solitron Devices	21845
VOLT. REGULATOR	5962-9313402HXX	ARX5007		1	Aeroflex Lab. Inc.	88379

-112-
HYBRID MICROCIRCUITS
QML-38534-20

APPROVED SOURCE
MASTER PRODUCT LISTING
TABLE 11

01/05/95

PRODUCT TYPE/ DISCRIPTION	STANDARDIZED MILITARY DRAWING (SMD)	MANUFACTURER SIMILAR PART NUMBER 4/	ESDS CLASS	SOURCE(S)	CAGE CODE
VOLT. REGULATOR	5962-9313403HXX	CJSE300	1	Solitron Devices	21845
VOLT. REGULATOR	5962-9313403HXX	ARX5008	1	Aeroflex Lab. Inc.	88379
VOLT. REGULATOR	5962-9313404HXX	CJSE301	1	Solitron Devices	21845
VOLT. REGULATOR	5962-9313404HXX	ARX5009	1	Aeroflex Lab. Inc.	88379
VOLT. REGULATOR	5962-9313405HXX	ARX5010	1	Aeroflex Lab. Inc.	88379
VOLT. REGULATOR	5962-9313405HXX	CJSE321	1	Solitron Devices	21845
VOLT. REGULATOR	5962-9313406HXX	ARX5011	1	Aeroflex Lab. Inc.	88379
VOLT. REGULATOR	5962-9313406HXX	CJSE322	1	Solitron Devices	21845
VOLT. REGULATOR, FIXED, DUAL, +12V AND -12V OUTPUT	5962-8949006XX	OM7505SC/883B	1	Omnirel Corporation	69210
VOLT. REGULATOR, FIXED, DUAL, +12V AND -15V OUTPUT	5962-8949007XX	OM7506SC/883B	1	Omnirel Corporation	69210
VOLT. REGULATOR, FIXED, DUAL, +12V AND -5V OUTPUT	5962-8949005XX	OM7504SC/883B	1	Omnirel Corporation	69210
VOLT. REGULATOR, FIXED, DUAL, +15V AND -12V OUTPUT	5962-8949009XX	OM7508SC/883B	1	Omnirel Corporation	69210
VOLT. REGULATOR, FIXED, DUAL, +15V AND -15V OUTPUT	5962-8949001XX	OM7509SC/883B	1	Omnirel Corporation	69210
VOLT. REGULATOR, FIXED, DUAL, +15V AND -5V OUTPUT	5962-8949008XX	OM7507SC/883B	1	Omnirel Corporation	69210
VOLT. REGULATOR, FIXED, DUAL, +5V AND -12V OUTPUT	5962-8949003XX	OM7502SC/883B	1	Omnirel Corporation	69210
VOLT. REGULATOR, FIXED, DUAL, +5V AND -15V OUTPUT	5962-8949004XX	OM7503SC/883B	1	Omnirel Corporation	69210
VOLT. REGULATOR, FIXED, DUAL, +5V AND -5V OUTPUT	5962-8949002XX	OM7501SC/883B	1	Omnirel Corporation	69210

-113-
HYBRID MICROCIRCUITS
QML-38534-20