



QUALIFICATIONS VALIDATED
ANNUALLY

QPL-11015-119
4 June 2002
SUPERSEDING
QPL-11015-118
12 March 2002

QUALIFIED PRODUCTS LIST
OF
PRODUCTS QUALIFIED UNDER MILITARY SPECIFICATION

MIL-C-11015

CAPACITORS, FIXED, CERAMIC DIELECTRIC (GENERAL PURPOSE),
GENERAL SPECIFICATION FOR

Effective 31 March 1999, MIL-C-11015 has been declared "Inactive for New Design" with no superseding specification. This is applicable on all acquisitions to which MIL-C-11015 is applied.

This list has been prepared for use by or for the Government in the acquisition of products covered by Specification MIL-C-11015. Listing of a product is not intended to and does not connote endorsement of the product by the Department of Defense. All products listed herein have been qualified under the requirements for the product as specified in the latest effective issue of the applicable specification. 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 release the supplier from compliance with the specification requirements.

THE ACTIVITY RESPONSIBLE FOR THIS QPL IS THE DEFENSE SUPPLY CENTER COLUMBUS (DSCC-VQ), COLUMBUS, OH 43216-5000.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
CK05 All cap. values, tols. in 50, 100, and 200 volts.	MR05-CK05	11015-284-68	/18	AVX Ceramics Corp. (1, 2, 3, 4)
CK05 All cap. values, tols. in 50, 100, and 200 volts.	C052K	39014-4-71 11015-196-68	/18	Kemet Electronics Corp. (1, 2)
CK05 All cap. values, tols. in 50, 100, and 200 volts.	C052K	11015-1272-71	/18	Kemet Electronics Corp. (3)
CK05 All cap. values, tols. in 50, 100, and 200 volts.	C052M	39014-4-71 11015-196-68	/18	Distributed by: Mallory Distributor Products Co.
CK06 All cap. values, tols. in 50, 100, and 200 volts.	MR06-CK06	11015-591-68 39014-454-80 11015-868-80 11015-102-85	/19	AVX Ceramics Corp. (1, 2, 3, 4)
CK06 All cap. values, tols. in 50, 100, and 200 volts.	C062K C065	39014-5-71 11015-196-68	/19	Kemet Electronics Corp. (1, 2)
CK06 All cap. values, tols. in 50, 100, and 200 volts.	C062K C065	11015-1273-71	/19	Kemet Electronics Corp. (3)
CK06 All cap. values, tols. in 50, 100, and 200 volts.	C062M	39014-5-71 11015-196-68	/19	Distributed by: Mallory Distributor Products Co.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
CK12 All cap. values and tols. in 50 and 100 volts, BX oper. temp. range and volt. temp. limits.	MA10-CK12	11015-565-68	/20	AVX Ceramics Corp. (1, 2)
CK12 All cap. values and tols. in 50 and 100 volts, BX oper. temp. range and volt. temp. limits.	CL14K	11015-198-68	/20	Kemet Electronics Corp. (1, 2)
CK12 All cap. values and tols. in 50 and 100 volts, BX oper. temp. range and volt. temp. limits.	CL14K	11015-826-75	/20	Kemet Electronics Corp. (3)
CK12 All cap. values and tols. in 50 and 100 volts, BX oper. temp. range and volt. temp. limits.	CL14M	11015-198-68	/20	Distributed by: Mallory Distributor Products Co.
CK13 All cap. values, tols. in 50 and 100 volts, BX and BR oper. temp. ranges and volt. temp. limits.	MA20-CK13	11015-565-68	/20	AVX Ceramics Corp. (1, 2)
CK13 All cap. values, tols. in 50 and 100 volts, BX and BR oper. temp. ranges and volt. temp. limits.	CL24K	11015-198-68	/20	Kemet Electronics Corp. (1, 2)
CK13 All cap. values, tols. in 50 and 100 volts, BX and BR oper. temp. ranges and volt. temp. limits.	CL24K	11015-826-75	/20	Kemet Electronics Corp. (3)
CK13 All cap. values, tols. in 50 and 100 volts, BX and BR oper. temp. ranges and volt. temp. limits.	CL24M	11015-198-68	/20	Distributed by: Mallory Distributor Products Co.
CK14 All cap. values, tols. in 50 and 100 volts, BX and BR oper. temp. ranges and volt. temp. limits.	MA40-CK14	11015-566-68	/20	AVX Ceramics Corp. (1, 2)
CK14 All cap. values, tols. in 50 and 100 volts, BX and BR oper. temp. ranges and volt. temp. limits.	CL92K	11015-199-68	/20	Kemet Electronics Corp. (1, 2)
CK14 All cap. values, tols. in 50 and 100 volts, BX and BR oper. temp. ranges and volt. temp. limits.	CL92K	11015-826-75	/20	Kemet Electronics Corp. (3)
CK14 All cap. values, tols. in 50 and 100 volts, BX and BR oper. temp. ranges and volt. temp. limits.	CL92M	11015-199-68	/20	Distributed by: Mallory Distributor Products Co.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
CK15 All cap. values, tols. in 50 and 100 volts, BX and BR oper. temp. ranges and volt. temp. limits.	MA50-CK15	11015-567-68	/20	AVX Ceramics Corp. (1, 2)
CK15 All cap. values, tols. in 50 and 100 volts, BX and BR oper. temp. ranges and volt. temp. limits.	C202K	11015-199-68	/20	Kemet Electronics Corp. (1, 2)
CK15 All cap. values, tols. in 50 and 100 volts, BX and BR oper. temp. ranges and volt. temp. limits.	C202M	11051-199-68	/20	Distributed by: Mallory Distributor Products Co.
CK16 All cap. values, tols. in 50 and 100 volts, BR oper. temp. range and volt. temp. limits.	MA60-CK16	11015-568-68	/20	AVX Ceramics Corp. (1, 2)
CK16 All cap. values, tols. in 50 and 100 volts, BR oper. temp. range and volt. temp. limits.	C222K	11015-201-68	/20	Kemet Electronics Corp. (1, 2)
CK16 All cap. values, tols. in 50 and 100 volts, BR oper. temp. range and volt. temp. limits.	C222M	11015-201-68	/20	Distributed by: Mallory Distributor Products Co.
CK22 All cap. values, tols. in 500 volts, AX oper. temp. range and volt. temp. limits.	SI-1	11015-1043-64	/2	AVX Ceramics Corp. (1, 2)
CK22 All cap. values, tols. in 500 volts, AX oper. temp. range and volt. temp. limits.	331	11015-961-64	/2	Tusonix, Inc.
CK27 All cap. values, tols. in 500 volts, AX oper. temp. range and volt. temp. limits.	332	11015-961-64	/4	Tusonix, Inc.
CK31 All cap. values, all tols. in 50 volts, BT, BU, BV oper. temp. ranges and volt. temp. limits.	CYK01	11015-83-68	/25 (USAF)	AVX Corp. (4)
CK32 All cap. values, all tols. in 50 volts, BT, BU, BV oper. temp. ranges and volt. temp. limits.	CYK02	11015-86-68	/25 (USAF)	AVX Corp. (4)
CK60 All cap. values, tols. in 500 and 1,000 volts, AW, BX, and AX oper. temp. ranges and volt. temp. limits.	838 831	11015-1145-80	/9	Tusonix, Inc.
CK61 All cap. values, tols. in 500 volts, BX and AW oper. temp. ranges and volt. temp. limits.	801	11015-1146-80	/10	Tusonix, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
CK62 All cap. values, tols. in 500 and 1,500 volts, AY, BX, AX, and AW oper. temp. ranges and volt. temp. limits.	811 818	11015-1147-80	/11	Tusonix, Inc.
CK63 All cap. values, tols. in 500 and 1,000 volts, BX, AW, and AY oper. temp. ranges and volt. temp. limits.	841 848	11015-1148-80	/12	Tusonix, Inc.
CK64 All cap. values, tols. in 1,600 volts, AW oper. temp. range and volt. temp. limits.	828	11015-869-81	/21	Tusonix, Inc.
CK65 All cap. values, tols. in 1,600 volts, AW oper. temp. range and volt. temp. limits.	3848	11015-869-81	/21	Tusonix, Inc.
CK66 All cap. values, tols. in 1,600 volts, AW oper. temp. range and volt. temp. limits.	3878	11015-869-81	/21	Tusonix, Inc.
CK67 All cap. values, tols. in 1,600 volts, AW oper. temp. range and volt. temp. limits.	3878	11015-869-81	/21	Tusonix, Inc.
CK70 All cap. values, tols. in 500 and 1,000 volts, AW and AX oper. temp. ranges and volt. temp. limits.	327	11015-147-64	/13	Tusonix, Inc.
CK72 All cap. values, tols. in 1,500 volts, AX oper. temp. range and volt. temp. limits.	2432	11015-822-65	/23	Tusonix, Inc.
CK74 All cap. values, tols. in 500 volts.	2404-000	11015-283-74	/29(USAF)	Tusonix, Inc.
CK75 All cap. values, tols. in 500 volts.	2404-014	11015-283-74	/29(USAF)	Tusonix, Inc.
CK78 All cap. values, tols. in 300 volts.	2482-030	11015-283-74	/29(USAF)	Tusonix, Inc.
CK79 All cap. values, tols. in 300 volts.	2482-029	11015-283-74	/29(USAF)	Tusonix, Inc.
CK99 All cap. values, tols. in 50, 100 and 200 volts, BW oper. temp. range and volt. temp. range.	SCI-9920	11015-090-96	/32	Spectrum Control, Inc.

PART II

The following products listed herein are reciprocal listings based on the NATO Standardization Agreement (STANAG) 4093 or International Standardization Agreements.

These devices are listed in the QPL of the concerned nation and, according to the qualifying authority of that nation, the devices meet the requirements for such listing. The products were completely manufactured, assembled, and tested in the concerned nation in accordance with the requirements of that nation. No review has been made by our qualifying activity of the manufacturing or test facilities or test report. Furthermore, no determination of equivalency has been conducted.

NOTE: No devices listed are to be JAN branded or marked with the failure rate level but should be marked with the appropriate national part numbers and identifiers, as applicable.

NATIONAL DEVICE SPECIFICATION	NATIONAL DEVICE SPECIFICATION	TEST REPORT NUMBER	MANUFACTURER'S NAME AND ADDRESS
DLT/- Series	CECC 30701-024	0DC/018/CECC	Oxley Developments Co., Ltd.
DLTM/ - Series	Issue 1, May 83	28 Sep 1986	Priory Park
DLT/-/Ref 1	BS 9075 F0060	0DC/017/BS	Ulverston, Cumbria LA12 PQG
DLTM/-/Ref 1	Issue 1, Oct 87	20 Oct 87	England
dBZ/-/Ref 1			
D/- Series			
dBZ/- Series			

MANUFACTURER'S NAME, ADDRESS AND PLANT	CAGE CODE
AVX Ceramics Corporation 17th Avenue, South P.O. Box 867 Myrtle Beach, SC 29577 Plants: 1. Same Address 2. Hillman's Way Ballycastle Road County Londonderry Coleraine Northern Ireland 3. AVX-Avio Excellente SA. de C.V. Area Riverena APDO Post 1709-D Cd Juarez, Chihuahua C.P. 32310 Mexico 4. 3900 Electronics Drive Raleigh, NC 276042	04222
Kemet Electronics Corporation 2835 Kemet Way Simpsonville, SC 29681 Plants: 1. Same Address 2. 2501 West Dixon Blvd. P.O. Box 2428 Shelby, NC 28150 3. P.O. Box 3126, Bldg. 700 Brownsville Compress Brownsville, TX 78520	31433
Distributed by: Mallory Distributor Products Co. 4760 Kentucky Avenue Indianapolis, IN 46241 Manufactured by: Kemet Electronics Corp. P.O. Box 5928 Greenville, SC 29606	31433
Oxley Developments Co., Ltd. Priory Park Ulverston, Cumbria LA12 9QG England Plant: Same Address	
Spectrum Control, Inc. 8061 Avonia Road Fairview, PA 16415-2829 Plant: Same Address	
Tusonix, Inc. 7741 North Business Park Drive Tucson, AZ 85743 Plant: Calzada De Los Nogales 298 Nogales, Sonora, Mexico	59660

AUTHORIZED ER DISTRIBUTORS: (Category A unless otherwise specified)

MANUFACTURER: Kemet Electronics Corporation
2835 Kemet Way
Simpsonville, SC 29681-2457

*NS - (NON-STOCKING: NORMALLY DOES NOT STOCK PARTS IN QUANTITY)

Arm Bar Industries P.O. Box 339 135 White Oak Lane Old Bridge, NJ 08857		Arrow Alliance 6340 International Parkway Plano, TX 75075	*
Arrow Advantage 19752 S. Vermont Avenue, #310 Torrance, CA 90245	*	Arrow Alliance 1255 Trans Canada Highway, Suite 100 Dorval, Quebec, Canada H9P 2V4	*
Arrow Advantage 18640 Lake Drive East Chanhassen, MN 55317	*	Arrow Bell Components 7800 Governors Drive Tower Building, 2nd Floor Huntsville, AL 35806	*
Arrow Advantage 155 Chain Lake Drive, Suite 27 Halifax, Nova Scotia, Canada B2S 1B3	*	Arrow Bell Components 1406 West 14th Street, Suite 101 Tempe, AZ 85281	*
Arrow Alliance 27121 Town Centre Drive, Suite 100 Lake Forest, CA 92610	*	Arrow Bell Components 26677 West Agoura Road Calabasas, CA 91302	*
Arrow Alliance 1690 McCandless Drive Milpitas, CA 95035	*	Arrow Bell Components 27121 Town Centre Drive, Suite 100 Lake Forest, CA 92610	*
Arrow Alliance 5525 Morehouse Drive, Building M San Diego, CA 92121	*	Arrow Bell Components 1680 McCandless Drive, Building 3 Milpitas, CA 95035-8000	*
Arrow Alliance 1166 Springlake Drive Itasca, IL 60143		Arrow Bell Components 3300 Douglas Boulevard, Suite 105 Roseville, CA 95661	*
Arrow Alliance 200 Research Drive Wilmington, MA 01887-4416	*	Arrow Bell Components 9511 Ridgehaven Court San Diego, CA 92123	*
Arrow Alliance 35 Upton Drive Wilmington, MA 01887	*	Arrow Bell Components 7459 South Lima Street Englewood, CO 80112	*
Arrow Alliance 4001 E. Chapel Hill Nelson Highway Research Triangle, NC 27709	*	Arrow Bell Components 860 North Main Street Extension Wallingford, CT 06492	*
Arrow Alliance 70 Jackson Drive Cranford, NJ 07016	*	Arrow Bell Components 400 Fairway Drive, Suites 101-104A Deerfield Beach, FL 33441	*
Arrow Alliance 25 Hub Drive Melville, NY 11747	*	Arrow Bell Components 55 Skyline Drive, Suite 2500 Lake Mary, FL 32746	*
Arrow Alliance 4000 Fore Drive, Building 4 Warrendale, PA 15086	*	Arrow Bell Components 4250-E River Green Parkway Duluth, GA 30096	*

MANUFACTURER: Kemet Electronics Corporation (Continued)

Arrow Bell Components 1162 Springlake Drive Itasca, IL 60143	*	Arrow Bell Components 700 Business Center Drive Horsham, PA 19044	*
Arrow Bell Components 6982 Hillside Court Indianapolis, IN 46250	*	Arrow Bell Components 3245 Old Frankstown Road Pittsburgh, PA 15239	*
Arrow Bell Components 9801 Legler Road Lenexa, KS 66219	*	Arrow Bell Components 9233 Waterford Centre Boulevard Austin, TX 78758	*
Arrow Bell Components 35 Upton Drive Wilmington, MA 01887	*	Arrow Bell Components Westgate Center, Building B, Suite 190 19416 Park Row Houston, TX 77084	*
Arrow Bell Components 9800-J Patuxent Woods Drive Columbia, MD 21046	*	Arrow Bell Components 6340 International Parkway Plano, TX 75093	*
Arrow Bell Components 44720 Helm Street Plymouth, MI 48170	*	Arrow Bell Components 2440-A South 1070 West Salt Lake City, UT 84119	*
Arrow Bell Components 7697 Anagram Drive Eden Prairie, MN 55344	*	Arrow Bell Components 3310 146th Place SE Building B, Suite A Bellevue, WA 98007	*
Arrow Bell Components 2380 Schuetz Road St. Louis, MO 63146	*	Arrow Bell Components 200 North Patrick Boulevard Brookfield, WI 53045	*
Arrow Bell Components 3514 Bush Street Raleigh, NC 27609	*	Arrow Bell Components #10 5920 11 Street, SE Calgary, Alberta, Canada T2H 2M4	*
Arrow Bell Components 26 Chapin Road, Unit 1112 Pine Brook, NJ 07058	*	Arrow Bell Components 10630 172 Street Edmonton, Alberta, Canada T5S 1H8	*
Arrow Bell Components 220 Rabro Drive East Hauppauge, NY 11788	*	Arrow Bell Components 8555 Commerce Court Burnaby, BC, Canada V5A 4N4	*
Arrow Bell Components 3375 Brighton-Henrietta Townline Road Rochester, NY 14623	*	Arrow Bell Components 1515 King Edward Street Winnipeg, Manitoba, Canada R3H 0R7	*
Arrow Bell Components 8149 Washington Church Road Dayton, OH 45458	*	Arrow Bell Components 88 Hines Road Kanata, Ontario, Canada K2K 2T8	*
Arrow Bell Components 12111 East 51st Street, Suite 101 Tulsa, OK 74146	*	Arrow Bell Components 171 Superior Boulevard Mississauga, Ontario, Canada L5T 2L6	*
Arrow Bell Components 9500 SW Nimbus Avenue, Building E Beaverton, OR 97008	*	Arrow Bell Components 1255 Trans Canada Highway, Suite 100 Dorval, Quebec, Canada H9P 2V4	*

MANUFACTURER: Kemet Electronics Corporation (Continued)

Arrow CMS 4930-F Corporate Drive Huntsville, AL 35805	*	Arrow Richey Electronics 1162 Springlake Drive Itasca, IL 60143	*
Arrow CMS 7479 South Lima Street Englewood, CO 80112-5816	*	Arrow Richey Electronics 9801 Legler Road Lenexa, KS 66219	*
Arrow CMS 35 Upton Drive Wilmington, MA 01887-1018	*	Arrow Richey Electronics 8610 East 24th Street, #3 Wichita, KS 66219	*
Arrow CMS 7697 Anagram Drive Eden Prairie, MN 55344-7255	*	Arrow Richey Electronics 35 Upton Drive Wilmington, MA 01887	*
Arrow CMS 3514-C Bush Street Raleigh, NC 27609	*	Arrow Richey Electronics 9800-J Patuxent Woods Drive Columbia, MD 21046	*
Arrow CMS 9233 Waterford Center Boulevard Austin, TX 78758	*	Arrow Richey Electronics 7697 Anagram Drive Eden Prairie, MN 55344	*
Arrow CMS 171 Superior Boulevard Mississauga, Ontario, Canada L5T 2L6	*	Arrow Richey Electronics 2380 Schuetz Road St. Louis, MO 63146	*
Arrow Richey Electronics 7441 Lincoln Way Garden Grove, CA 92841	*	Arrow Richey Electronics 26 Chapin Road Pine Brook, NJ 07058	*
Arrow Richey Electronics 27121 Town Centre Drive, Suite 100 Lake Forest, CA 92610	*	Arrow Richey Electronics 6000 North Bailey Avenue, #2 Amherst, NY 14226	*
Arrow Richey Electronics 1680 McCandless Drive, Building 3 Milpitas, CA 95035-8000	*	Arrow Richey Electronics 220 Rabro Drive East Hauppauge, NY 11788	*
Arrow Richey Electronics 9511 Ridgehaven Court San Diego, CA 92123	*	Arrow Richey Electronics 9500 SW Nimbus Drive E Beaverton, OR 97008	*
Arrow Richey Electronics 125 Auburn Court, Suite 110 Westlake Village, CA 91362	*	Arrow Richey Electronics 700 Business Center Drive Horsham, PA 19044	*
Arrow Richey Electronics 860 North Main Street Extension Wallingford, CT 06492	*	Arrow Richey Electronics 6340 International Parkway Plano, TX 75093	*
Arrow Richey Electronics 400 Fairway Drive, Suites 101-104A Deerfield Beach, FL 33441	*	Arrow Richey Electronics 3310 146th Place SE Building B, Suite A Bellevue, WA 98007	*
Arrow Richey Electronics 55 Skyline Drive, Suite 2500 Lake Mary, FL 32746	*	Arrow Richey Electronics 200 North Patrick Boulevard Brookfield, WI 53045	*
Arrow Richey Electronics 4250-E River Green Parkway Duluth, GA 30096	*		

MANUFACTURER: Kemet Electronics Corporation (Continued)

Arrow Zeuz 27121 Town Centre Drive, Suite 100 Lake Forest, CA 92610	*	Avnet, Inc. 580 Menlo Drive, Suite 2 Rocklin, CA 95765	*
Arrow Zeus 6276-E San Ignacio Avenue San Jose, CA 95119	*	Avnet, Inc. 10805 Rancho Bernardo Road, Suite 110 San Diego, CA 92127	*
Arrow Zeus 55 Skyline Drive, Suite 2500 Lake Mary, FL 32746	*	Avnet, Inc. 2105 Lundy Avenue San Jose, CA 95131	*
Arrow Zeus 1162 Springlake Drive Itasca, IL 60143	*	Avnet, Inc. 21155 Califa Street Woodland Hills, CA 91367	*
Arrow Zeus 35 Upton Drive Wilmington, MA 01887	*	Avnet, Inc. 12600-C East Arapahoe Road Englewood, CO 80112	*
Arrow Zeus 9800-J Patuxent Woods Drive Columbia, MD 21046	*	Avnet, Inc. 20 Sterline Drive Wallingford, CT 06492	*
Arrow Zeus 2900 Westchester Avenue, Suite 401 Purchase, NY 10577	*	Avnet, Inc. 5516 Rio Vista Drive Clearwater, FL 33760	*
Arrow Zeus 3220 Commander Drive Plano, TX 75006	*	Avnet, Inc. 3350 NW 53rd Street, Suite 105 Fort Lauderdale, FL 33309	*
Avnet, Inc. 4975 Bradford Drive, Suite 100 Huntsville, AL 35805	*	Avnet, Inc. 7079 University Boulevard Winter Park, FL 32792	*
Avnet, Inc. 2617 South 46th Street Phoenix, AZ 85034	*	Avnet, Inc. 3475-D Corporate Way Duluth, GA 30096	*
Avnet, Inc. 2211 South 47th Street Phoenix, AZ 85031	*	Avnet, Inc. 500 Lake Ridge Drive Smyrna, GA 30082	*
Avnet, Inc. 7400 Oracle Street Tucson, AZ 85704	*	Avnet, Inc. 3030 Salt Creek Lane, Suite 300 Arlington Heights, IL 60005	*
Avnet, Inc. 9320 Telstar Avenue Elmonte, CA 91713	*	Avnet, Inc. 655 West Carmel Drive Carmel, IN 46032	*
Avnet, Inc. 9800 La Cienga Boulevard Inglewood, CA 90301	*	Avnet, Inc. 9200 Indian Creek Parkway Overland Park, KS 66210	*
Avnet, Inc. 140 Technology Drive, Suite 400 Irvine, CA 92618	*	Avnet, Inc. 10-M Centennial Drive Peabody, MA 01960	*

MANUFACTURER: Kemet Electronics Corporation (Continued)

Avnet, Inc. 7134 Columbia Gateway Drive Columbia, MD 21046	*	Avnet, Inc. 3505 Boca Chica Boulevard, #201 Brownsville, TX 78521	*
Avnet, Inc. 44191 Plymouth Oaks Boulevard Plymouth, MI 48170	*	Avnet, Inc. 11333 Pagemill Road Dallas, TX 75243	*
Avnet, Inc. 9401 James Avenue South Bloomington, MN 55431	*	Avnet, Inc. 10500 Richmond Avenue, Suite 112 Houston, TX 77042	*
Avnet, Inc. 13750 Shoreline Drive Earth City, MO 63045	*	Avnet, Inc. 2855 East Cottonwood Parkway, Suite 220 Salt Lake City, UT 84121	*
Avnet, Inc. 5511 Capitol Center Drive, Suite 500 Raleigh, NC 27606	*	Avnet, Inc. 8214 15th Avenue NE Redmond, WA 98052	*
Avnet, Inc. 7000 Atrium Way Mt. Laurel, NJ 08054	*	Avnet, Inc. W232 N2960 Roundy Circle West Pewaukee, WI 53072	*
Avnet, Inc. 10 Lanidex Plaza West Parsippany, NJ 07054	*	Avnet, Inc. 8608 Commerce Court Burnaby, BC, Canada V5A 4N6	*
Avnet, Inc. ISD Building 390 Rabro Drive East Hauppauge, NY 11788	*	Avnet, Inc. 8610 Commerce Court Burnaby, BC, Canada V5A 4N6	*
Avnet, Inc. 1057 East Henrietta Road Rochester, NY 14623	*	Avnet, Inc. 6705 Mill Creek Drive Mississauga, Ontario, Canada L5N 5R9	*
Avnet, Inc. 7760 Washington Village Drive Dayton, OH 45459	*	Avnet, Inc. 190 Colonade Road Nepean, Ontario, Canada K2E 7J5	*
Avnet, Inc. 30575 Solon Bainbridge Road, Suite 250 Solon, OH 44139	*	Avnet, Inc. 1170 Lebourgneuf Boulevard, Suite 407 Quebec, Quebec, Canada G2K 2E3	*
Avnet, Inc. 777-L Dearborn Park Lane Worthington, OH 43085	*	Avnet, Inc. 7575 Trans Canada Highway, Suite 600 St. Laurent, Quebec, Canada H4T 1V6	*
Avnet, Inc. 12206 East 51st Street, Suite 103 Tulsa, OK 74146	*	Avnet, Inc. AV Vallarta #6503 Zapopan 45010 Jalisco, Mexico	*
Avnet, Inc. 15580 West Jay Street, Suite 100 Beaverton, OR 97006	*	Avnet, Inc. 1526 URB Belisa San Juan, Puerto Rico 00926	*
Avnet, Inc. 12211 Technology Boulevard Austin, TX 78727	*		

MANUFACTURER: Kemet Electronics Corporation (Continued)

Capsco Sales 1031 Kiel Court Sunnyvale, CA 94089-2104		Jaco Electronics, Inc. 4010 Moorpark, Suite 201 San Jose, CA 95117	*
Capsco Sales 11000 SW Stratus, Suite 350 Beaverton, OR 97008	*	Jaco Electronics, Inc. 2282 Townsgate Road Westlake Village, CA 91361	
Capsco Sales 2503 152nd Avenue NE Redmond, WA 98052	*	Jaco Electronics, Inc. 1247 Highland Avenue Cheshire, CT 06410	*
Cornell Dubilier Electronics 1605 E. Rodney French Boulevard New Bedford, MA 02744-2294		Jaco Electronics, Inc. 1191 East Newport Center Drive, Suite 204 Deerfield Beach, FL 33442	*
Electro Sonic, Inc. 237 N. Heritage Square 8500 MacLeod Trail SE Calgary, Alberta, Canada T2H 0M6	*	Jaco Electronics, Inc. 2030 Algonquin Road, Suite 406 Schaumburg, IL 60173	*
Electro Sonic, Inc. 4020 Viking Way Richmond, BC, Canada V6U 2N2	*	Jaco Electronics, Inc. 124 Grove Street, Suite 300 Franklin, MA 02038	*
Electro Sonic, Inc. 1335 Carling Avenue, Suite 315 Ottawa, Ontario, Canada K1Z 8N8	*	Jaco Electronics, Inc. 1053 East Street Tewksbury, MA 01876	*
Electro Sonic, Inc. 1100 Gordon Baker Road Willowdale, Ontario, Canada M2H 3B3		Jaco Electronics, Inc. 10260 Old Columbia Road, Suite 1 Columbia, MD 21046	*
Electro Sonic, Inc. 1661 Portage Avenue, Suite 613 Winnipeg, Manitoba, Canada R3J 3T7	*	Jaco Electronics, Inc. 2401 Pilot Knob Road, Suite 120 Mendota Heights, MN 55120	*
Electro Sonic, Inc. 100 Boulevard Alexis Nihon, Suite 215 St. Laurent, Quebec, Canada H4M 2N7	*	Jaco Electronics, Inc. 5942-C Six Forks Road Raleigh, NC 27609	*
Golden Electronics P.O. Box 2120 107 North Murrow Boulevard Greensboro, NC 27401		Jaco Electronics, Inc. 5204 Greens Dairy Road Raleigh, NC 27604	*
Jaco Electronics, Inc. 4950 Corporate Drive, Suite 110C Huntsville, AL 35805	*	Jaco Electronics, Inc. 20000 Horizon Way, Suite 300 Mt. Laurel, NJ 08054	*
Jaco Electronics, Inc. 521 South 48th Street, #104 Tempe, AZ 85281	*	Jaco Electronics, Inc. P.O. Box 18055 145 Oser Avenue Hauppauge, NY 11788	
Jaco Electronics, Inc. 15265 Alton Parkway, Suite 400 Irvine, CA 92618	*	Jaco Electronics, Inc. 4900 S.W. Griffith Drive, Suite 129 Beaverton, OR 97005	*
Jaco Electronics, Inc. 9449 Balboa Avenue, Suite 103 San Diego, CA 92123	*	Jaco Electronics, Inc. 2120-A Braker Lane Austin, TX 78758	*

MANUFACTURER: Kemet Electronics Corporation (Continued)

Jaco Electronics, Inc. 1209 North Glenville Drive Richardson, TX 75081	*	Newark Electronics 4755 Paris Street Denver, CO 80239	*
Jaco Electronics, Inc. 17220 127th Place NE, Suite 300 Woodinville, WA 98072	*	Newark Electronics 34 Jerome Avenue Bloomfield, CT 06002-2463	*
Mouser Electronics 11433 Woodside Drive Santee, CA 92071-4795	*	Newark Electronics 3230 West Commercial Boulevard Fort Lauderdale, FL 33309-3400	*
Mouser Electronics 12 Emery Avenue Randolph, NJ 07869-1362	*	Newark Electronics 4040 Woodcock Drive Jacksonville, FL 32201-2712	*
Mouser Electronics 2401 Highway 287 North Mansfield, TX 76063	*	Newark Electronics 1080 Woodcock Road Orlando, FL 32803-3514	*
Newark Electronics 150 West Park Loop Huntsville, AL 35806-1744	*	Newark Electronics 5601 Mariner Street Tampa, FL 33609-3416	*
Newark Electronics 10816 Executive Center Drive Little Rock, AR 72211-4354	*	Newark Electronics 500 North Pulaski Road Chicago, IL 60624	
Newark Electronics 1600 West Broadway Road, Suite 290 Tempe, AZ 85282	*	Newark Electronics 4801 North Ravenswood Avenue Chicago, IL 60640	*
Newark Electronics 660 Bay Boulevard Chula Vista, CA 91910-5201	*	Newark Electronics 1919 South Highland Avenue, A320 Lombard, IL 60148-6119	*
Newark Electronics 3600 West Bayshore Road Palo Alto, CA 94303-4229	*	Newark Electronics 110 South Alpine Road Rockford, IL 61108-3941	*
Newark Electronics 9045 Haven Avenue, #102 Rancho Cucamonga, CA 91730-5247	*	Newark Electronics 1010 North Street Springfield, IL 62704-5800	*
Newark Electronics 2020 Hurley Way Sacramento, CA 95825-3214	*	Newark Electronics 4410 Executive Boulevard Fort Wayne, IN 46808-1135	*
Newark Electronics 9444 Waples Street San Diego, CA 92121-2939	*	Newark Electronics 50 East 91st Street Indianapolis, IN 46240-1555	*
Newark Electronics 12631-F East Imperial Highway Santa Fe Springs, CA 90670-4710	*	Newark Electronics 2550 Middle Road Battendorf, IA 52772-3291	*
Newark Electronics 325 Hillcrest Drive Thousand Oaks, CA 91360-9858	*	Newark Electronics 6811 West 63rd Street Overland Park, KS 66202-4080	*

MANUFACTURER: Kemet Electronics Corporation (Continued)

Newark Electronics 3600 Chamberlain Lane Louisville, KY 40241-1954	*	Newark Electronics 8205 Spain Road NE Albuquerque, NM 87109-3155	*
Newark Electronics 3525 North Causeway Boulevard Metairie, LA 70002-3637	*	Newark Electronics 3 Marcus Boulevard Albany, NY 12205-1129	*
Newark Electronics 59 Composite Way Lowell, MA 01851-5144	*	Newark Electronics 75 Orville Drive Bohemia, NY 11716-2580	*
Newark Electronics 65 Boston Post Road West Marlborough, MA 01752-1854	*	Newark Electronics 7449 Morgan Road Liverpool, NY 13090	*
Newark Electronics 7272 Park Circle Drive Hanover, MD 21076-1371	*	Newark Electronics 1151 Pittsford-Victor Road Pittsford, NY 14534-3800	*
Newark Electronics 900 East Paris Avenue SE Grand Rapids, MI 49546-3676	*	Newark Electronics 15 Meyers Corners Road, #3A Wappingers Falls, NY 12590-4117	*
Newark Electronics 4600 Fashion Square Boulevard Saginaw, MI 48604-2686	*	Newark Electronics 5500 Main Street Williamsville, NY 14221	*
Newark Electronics 550 Stephenson Highway Troy, MI 48063-1109	*	Newark Electronics 497 Circle Freeway Drive Cincinnati, OH 45246-1241	*
Newark Electronics 2258 Schuetz Road St. Louis, MO 63146-3423	*	Newark Electronics 4614 Prospect Avenue Cleveland, OH 44103-3780	*
Newark Electronics 2021 East Hennepin Avenue, Suite 338 Minneapolis, MN 55413-2722	*	Newark Electronics 5025 Arlington Centre Road Columbus, OH 43220-2959	*
Newark Electronics 795 Woodlands Parkway Ridgeland, MS 39157-5217	*	Newark Electronics 3033 Kettering Boulevard Dayton, OH 45439-1948	*
Newark Electronics 5501 Executive Center Drive Charlotte, NC 28212-3721	*	Newark Electronics 5660 Southwyck Boulevard Toledo, OH 43614-1596	*
Newark Electronics 1701 Pinecroft Road Greensboro, NC 27407-3855	*	Newark Electronics 3524 NW 56th Street Oklahoma City, OK 73112-4547	*
Newark Electronics 11128 John Galt Boulevard Omaha, NE 68137-2321	*	Newark Electronics 4850 SW Scholls Ferry Road Portland, OR 97225-1692	*
Newark Electronics 197 Highway 18 South East Brunswick, NJ 08816-1440	*	Newark Electronics 1503 North Cedar Crest Boulevard Allentown, PA 18104-2310	*

MANUFACTURER: Kemet Electronics Corporation (Continued)

Newark Electronics 501 Office Center Drive Fort Washington, PA 19034-3211	*	Newark Electronics 10201 Innovation Drive, Suite 550 Milwaukee, WI 53226-1403	*
Newark Electronics 100 High Tower Boulevard Pittsburgh, PA 15205-1134	*	Newark Electronics 331 Consortium Court London, Ontario, Canada N6E 2S8	*
Newark Electronics 150 Executive Center Drive Greenville, SC 29615-4568	*	Newark Electronics 6200 Dixie Road Mississauga, Ontario, Canada L5T 2E1	*
Newark Electronics 5401-A Kingston Pike Knoxville, TN 37919-5023	*	Newark Electronics 1870 Sources Boulevard Pointe Claire, Quebec, Canada H9R 5N4	*
Newark Electronics 2600 Nonconnah Boulevard Memphis, TN 38132-2122	*	Pioneer Electronics 4910 University Square, Suite 7 Huntsville, AL 35816	*
Newark Electronics 3737 Executive Center Drive Austin, TX 78731-1632	*	Pioneer Electronics 5126 Clareton Drive, Suite 160 Agoura Hills, CA 91301	*
Newark Electronics 12880 Hillcrest Road Dallas, TX 75230-1501	*	Pioneer Electronics 17680-B Newhope Street Fountain Valley, CA 92708-4235	*
Newark Electronics 7500 Viscount Avenue El Paso, TX 79925-5694	*	Pioneer Electronics 217 Technology Drive, #110 Irvine, CA 92618	*
Newark Electronics 719 Sawdust Road Spring, TX 77380	*	Pioneer Electronics 431 Dixon Landing Road Milpitas, CA 95035	*
Newark Electronics 4424 South 700 East, C-120 Salt Lake City, UT 84107-3079	*	Pioneer Electronics 5600 Greenwood Plaza Boulevard, #200 Englewood, CO 80111	*
Newark Electronics 131 Elden Street Herndon, VA 20170-4810	*	Pioneer Electronics Two Trap Falls, Suite 101 Shelton, CT 06484	*
Newark Electronics 1504 Santa Rosa Road Richmond, VA 23229-5104	*	Pioneer Electronics 337 South-North Lake, #1000 Altamonte Springs, FL 32701	*
Newark Electronics 12015 115th Avenue, NE 270 Kirkland, WA 98034-6925	*	Pioneer Electronics 674 South Military Train Deerfield Beach, FL 33442	*
Newark Electronics West 222 Mission Avenue Spokane, WA 99201-2347	*	Pioneer Electronics 4250-C Rivergreen Parkway Duluth, GA 30136	*
Newark Electronics 2601 Crossroads Drive, Suite 100 Madison, WI 53718-7923	*	Pioneer Electronics 2171 Executive Drive, Suite 200 Addison, IL 60101	*

MANUFACTURER: Kemet Electronics Corporation (Continued)

Pioneer Electronics 3685 Priority Way South Drive, Suite 100 Indianapolis, IN 46240	*	Pioneer Electronics 4110 South 100th E Avenue, Suite 301 Tulsa, OK 74146-3634	*
Pioneer Electronics 299 Ballardvale Road Wilmington, MA 01887	*	Pioneer Electronics 5665 SW Meadows Road, Suite 150 Lake Oswego, OR 97035	*
Pioneer Electronics 9100 Gaither Road Gaithersburg, MD 20877	*	Pioneer Electronics 300 Lakeside Drive, Suite 150 Horsham, PA 19044	*
Pioneer Electronics 44190 Plymouth Oaks Boulevard Plymouth, MI 48170	*	Pioneer Electronics 1051 Brinton Road Pittsburgh, PA 15221-5499	*
Pioneer Electronics 4467 Byron Center Road SW Wyoming, MI 49509	*	Pioneer Electronics 4030 W. Braker Lane, Building 1, Suite 175 Austin, TX 78758	*
Pioneer Electronics 7625-G Golden Triangle Drive Eden Prairie, MN 55344	*	Pioneer Electronics 10530 Rockley Road, #100 Houston, TX 77099-3529	*
Pioneer Electronics 4227 Earth City Expressway Earth City, MO 63045	*	Pioneer Electronics 959 East Collins, Suite 102 Richardson, TX 75081	*
Pioneer Electronics 5510 Six Forks Road, Suite 310 Raleigh, NC 27609	*	Pioneer Electronics 2800 156th Avenue SW, Suite 100 Bellevue, WA 98007	*
Pioneer Electronics 271 Route 46 West, Suite D206 Fairfield, NJ 07004	*	Pioneer Electronics 120 Bishops Way, Suite 163 Brookfield, WI 53005	*
Pioneer Electronics 1249 Upper Front Street, #201 Binghamton, NY 13901	*	Pioneer Standard Canada, Inc. 3415 American Drive Mississauga, Ontario, Canada L4V 1T6	
Pioneer Electronics 1250 Pittsford-Victor Road, Building 200 Pittsford, NY 14534	*	Pioneer Standard Canada, Inc. 223 Colonnade Road, Suite 100 Nepean, Ontario, Canada K2E 7K3	
Pioneer Electronics Meridian Plaza III 3125 Veterans Memorial Highway Ronkonkoma, NY 11779	*	Pioneer Standard Canada, Inc. 10711 Cambie Road, Suite 170 Richmond, BC, Canada V6X 3G5	
Pioneer Electronicsq 6065 Parkland Boulevard Mayfield Heights, OH 44124	*	Pioneer Standard Canada, Inc. 4969 Levy St. Laurent, Quebec, Canada H4R 2N9	*
Pioneer Electronics 8741 Gander Creek Drive Miamisburg, OH 45342	*	TTI, Inc. 150 West Park Loop, Suite 201 Huntsville, AL 35806	*
Pioneer Electronics ROW Group 6521 Davis Industrial Parkway Solon, OH 44139	*	TTI, Inc. 4625 S. Wendler Drive, Suite 108 Tempe, AZ 85282	*

MANUFACTURER: Kemet Electronics Corp. (Continued)

TTI, Inc. 46700 Lakeview Boulevard Fremont, CA 94538	*	TTI, Inc. 1 Executive Drive, Suite 9 Morrestown, NJ 08057	*
TTI, Inc. 15535 San Fernando Mission Boulevard, #300 Mission Hills, CA 91345	*	TTI, Inc. 921 South 2nd Street Ronkonkoma, NY 11779	*
TTI, Inc. 13220 Evening Creek Drive, Suite 101 San Diego, CA 92128	*	TTI, Inc. 5410 Transportation Boulevard Building 2, Suite 1 Garfield Heights, OH 44125	*
TTI, Inc. 1570 Brookhollow, Suite 103 Santa Ana, CA 92705	*	TTI, Inc. 7756 Washington Village Drive Dayton, OH 45459	*
TTI, Inc. 8501 Turnpike Drive West Park Office Center, Suite 100 Westminster, CO 80031-2929	*	TTI, Inc. 7185 S.W. Sandburg Road, Suite 202 Tigard, OR 97223	*
TTI, Inc. 8 Fairfield Boulevard Wallingford, CT 06492	*	TTI, Inc. 11782 Jollyville Road, Suite 206 Austin, TX 78759	*
TTI, Inc. 5774 South Semoran Boulevard Orlando, FL 32822	*	TTI, Inc. 7359 Airport Freeway Fort Worth, TX 76118	*
TTI, Inc. 4550 River Green Parkway, Suite 120 Duluth, GA 30096	*	TTI, Inc. Integrated Logistic Services 5050 Mark IV Parkway Fort Worth, TX 76106	
TTI, Inc. 1301 Basswood Road, Suite 350 Schaumburg, IL 60173	*	TTI, Inc. 2441 Northeast Parkway Fort Worth, TX 76106	
TTI, Inc. 9300 West 110th Street, Suite 645 Kansas City, KS 66210	*	TTI, Inc. 10625 Richmond Avenue, Suite 100 Houston, TX 77042	*
TTI, Inc. 2 Highwood Drive Tewksbury, MA 01876	*	TTI, Inc. 9577 153rd Street NE Redmond, WA 98052	*
TTI, Inc. 6304 Woodside Court, Suite 115 Columbia, MD 21045	*	TTI, Inc. 2445-E South 179th Street New Berlin, WI 53146	*
TTI, Inc. 10925 Valley View Road, Suite 100 Eden Prairie, MN 55344	*	TTI, Inc. 690 Rowntree Dairy Road Woodbridge, Ontario, Canada L4L 5T7	*
TTI, Inc. 4805 Green's Dairy Road, Suite 120 Raleigh, NC 27616	*	TTI, Inc. 1868 Boulevard Des Sources #318 Pointe Claire, Quebec, Canada H9R 5R2	*