

QUALIFIED PRODUCTS LIST

OF

PRODUCTS QUALIFIED UNDER PERFORMANCE SPECIFICATION

MIL-PRF-55681

CAPACITOR, CHIP, MULTIPLE LAYER, FIXED, CERAMIC DIELECTRIC,

ESTABLISHED RELIABILITY AND NON-ESTABLISHED RELIABILITY

GENERAL SPECIFICATION FOR

This list has been prepared for use by or for the Government in the acquisition of products covered by Specification MIL-PRF-55681. 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 U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND AND FORT MONMOUTH. The activity designated as agent for all contacts relative to this QPL is the Defense Supply Center Columbus (DSSC-VQ), Columbus, OH 43216-5000.

NOTES: An asterisk (\*) adjacent to the product listing indicates that qualified parts listed on the the QPL are available through distributors authorized by the manufacturer in accordance with Military Standard MIL-STD-790. Names and addresses of the distributors are listed in the back of this QPL. These lists are being furnished merely as an aid in identifying authorized sources of ER parts and the responsibility for complying with contractual provisions requiring use of such parts rests with the user of such parts. Such lists have been compiled from information furnished by the manufacturers of ER parts prior to release of this QPL for printing.

Inclusion on, or omission from, the list of a particular distributor cannot be relied upon as a guarantee of such distributor's status since the information upon which the list is based may not have been complete and authorized distributors are subject to change by the manufacturer at any time. Inclusion of a firm on such list is not, under any circumstance, to be considered an indorsement of such firm or its products by the Department of Defense.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION REFERENCE SHEET	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
CDR01*	0805-CDR01	55681-399-79	/1	AVX Ceramics Corp. (1)
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, N, S, U, W and Y, life failure rates M, P, R, S.				
CDR01*	0805	55681-949-87	/1	AVX Ceramics Corp. (2)
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, term. M, life failure rate M.				
CDR01*	C0805	55681-887-73	/1	Kemet Electronics Corp.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. S, U, W, Y, life failure rates M, P, R, S.				
CDR01	CDR01	55681-659-85	/1	Presidio Components, Inc.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, S, U, W, Z, life failure rates M, P, R, S.				
CDR01*	7271	55681-880-75	/1	Vitramon, Inc.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, W, Y, life failure rates M, P, R, S.				

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATIO OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
CDR02*	1805-CDR02	55681-399-79	/1	AVX Ceramics Corp. (1)
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.				
CDR02*	1805	55681-950-87	/1	AVX Ceramics Corp. (2)
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, term. M, life failure rate M.				
CDR02*	C1805	55681-888-73	/1	Kemet Electronics Corp.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. S, U, W, Y, life failure rates M, P, R, S.				
CDR02*	7272	55681-881-75	/1	Vitramon, Inc.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, W, Y, life failure rates M, P, R, S.				
CDR03*	1808-CDR03	55681-400-79	/1	AVX Ceramics Corp. (1)
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.				
CDR03*	1808	55681-951-87	/1	AVX Ceramics Corp. (2)
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, term. M, life failure rate M.				
CDR03*	C1808	55681-889-73	/1	Kemet Electronics Corp.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. S, U, W, Y, life failure rates M, P, R, S.				
CDR03	CDR03	55681-660-85	/1	Presidio Components, Inc.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, S, U, W, Z, life failure rates M, P, R, S.				
CDR03*	7273	55681-882-75	/1	Vitramon, Inc.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, W, Y, life failure rates M, P, R, S.				
CDR04*	1812-CDR04	55681-400-79	/1	AVX Ceramics Corp. (1)
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.				
CDR04*	1812	55681-952-87	/1	AVX Ceramics Corp. (2)
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, term. M, life failure rate M.				
CDR04*	C1812	55681-890-73	/1	Kemet Electronics Corp.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. S, U, W, Y, life failure rates M, P, R, S.				
CDR04*	7274	55681-883-75	/1	Vitramon, Inc.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, W, Y, life failure rates M, P, R, S.				

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION REFERENCE	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
CDR05*	1825-CDR05	55681-401-79	/2	AVX Ceramics Corp. (1)  All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.
CDR05*	1825	55681-953-87	/2	AVX Ceramics Corp. (2)  All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, term. M, life failure rate M.
CDR05*	C1825	55681-891-73	/2	Kemet Electronics Corp.  All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. S, U, W, Y, life failure rates M, P, R, S.
CDR06*	2225-CDR06	55681-401-79	/3	AVX Ceramics Corp. (1)  All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.
CDR06*	2225	55681-954-87	/3	AVX Ceramics Corp. (2)  All cap. values and tols., in 50 and 100 volts, BX rated temp. and volt. temp. limits, term. M, life failure rate M.
CDR06*	C2225	55681-892-73	/3	Kemet Electronics Corp.  All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. S, U, W, Y, life failure rates M, P, R, S.
CDR06*	7276	55681-885-75	/3	Vitramon, Inc.  All cap. values and tols., in 50 and 100 volts, BX rated temp. and volt. temp. limits, terms. M, W, Y, life failure rates M, P, R, S.
CDR11*	AQ11	55681-850-85	/4	AVX Ceramics Corp. (1)  All cap. values and tols., in 50 volts, BG and BP rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.
CDR11	710A	55681-72-95	/4	American Technical Ceramics  All cap. values and tols., in 50 and 100 volts, BG and BP rated temp. and volt. temp. limits, term. N, life failure rates M, P, R, S.
CDR11	CD05	55681-049-00	/4	Presidio Components, Inc.  All cap. values and tols., in 50 and 150 volts, BG and BP rated temp. and volt. temp. limits, term. M, life failure rate M.
CDR12*	AQ12	55681-850-85	/4	AVX Ceramics Corp. (1)  All cap. values and tols., in 50 volts, BG and BP rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.
CDR12	710A	55681-72-95	/4	American Technical Ceramics  All cap. values and tols., in 50 and 150 volts, BG and BP rated temp. and volt. temp. limits, terms. S, U, and W, life failure rates M, P, R, S.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
CDR13*	AQ13	55681-851-85	/4	AVX Ceramics Corp. (1)
All cap. values and tols., in 50, 100, 200, 300, and 500 volts, BG and BP rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.				
CDR13	700B 710B	55681-266-7T	/4	American Technical Ceramics
All cap. values and tols., in 50, 100, 200, 300, and 500 volts, BG and BP rated temp. and volt. temp. limits, term. N, life failure rates M, P, R, S.				
CDR13	CD11	55681-049-00	/4	Presidio Components, Inc.
All cap. values and tols., in 50, 100, 200, 300, and 500 volts, BG and BP rated temp. and volt. temp. limits, term. M, life failure rate M.				
CDR14*	AQ14	55681-852-85	/4	AVX Ceramics Corp. (1)
All cap. values and tols., in 50, 100, 200, 300, and 500 volts, BG and BP rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.				
CDR14	100B 700B 710B	55681-267-7T	/4	American Technical Ceramics
All cap. values and tols., in 50, 100, 200, 300, and 500 volts, BG and BP rated temp. and volt. temp. limits, terms. S and U, life failure rates M, P, R, S.				
CDR21	100B 700B 710B	55681-268-7T	/5	American Technical Ceramics
All cap. values and tols., in 50, 100, 200, 300, and 500 volts, BG and BP rated temp. and volt. temp. limits, term. T, life failure rates M, P, R.				
CDR22	100B 700B 710B	55681-269-7T	/5	American Technical Ceramics
All cap. values and tols., in 50, 100, 200, 300, and 500 volts, BG and BP rated temp. and volt. temp. limits, term. T, life failure rates M, P, R.				
CDR23	100B 700B 710B	55681-270-7T	/5	American Technical Ceramics
All cap. values and tols., in 50, 100, 200, 300, and 500 volts, BG and BP rated temp. and volt. temp. limits, term. S, life failure rates M, P, R.				
CDR24	100B 700B 710B	55681-268-7T	/5	American Technical Ceramics
All cap. values and tols., in 50, 100, 200, 300, and 500 volts, BG and BP rated temp. and volt. temp. limits, term. T, life failure rates M, P, R.				
CDR25	100B 700B 710B	55681-271-7T	/5	American Technical Ceramics
All cap. values and tols., in 50, 100, 200, 300, and 500 volts, BG and BP rated temp. and volt. temp. limits, term. S, life failure rates M, P, R.				
CDR31*	0805	55681-9-90	/7	AVX Ceramics Corp. (1)
All cap. values and tols. in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.				
CDR31*	C0805	55681-345-85	/7	Kemet Electronics Corp.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. S, U, W, Y, life failure rates M, P, R, S.				
CDR31*	7933	55681-931-87	/7	Vitramon, Inc.
All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, W, Y, life failure rates M, P, R, S.				

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI- CATION SHEET	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
CDR32*	1206	55681-10-90	/8	AVX Ceramics Corp. (1)  All cap. values and tols. in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.
CDR32*	C1206	55681-346-85	/8	Kemet Electronics Corp.  All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. S, U, W, Y, life failure rates M, P, R, S.
CDR32*	7934	55681-932-87	/8	Vitramon, Inc.  All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, W, Y, life failure rates M, P, R, S.
CDR33*	1210	55681-11-90	/9	AVX Ceramics Corp. (1)  All cap. values and tols., BP and BX rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.
CDR33*	C1210	55681-347-85	/9	Kemet Electronics Corp.  All cap. values and tols. in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. S, U, W, Y, life failure rates M, P, R, S.
CDR33*	7935	55681-933-87	/9	Vitramon, Inc.  All cap. values and tols. in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, W, Y, life failure rates M, P, R, S.
CDR34*	1812	55681-12-90	/10	AVX Ceramics Corp. (1)  All cap. values and tols. in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.
CDR34*	C1812	55681-348-85	/10	Kemet Electronics Corp.  All cap. values and tols. in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. S, U, W, Y, life failure rates M, P, R, S.
CDR34	8403	55681-530-91	/10	Vitramon, Inc.  All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, W, Y, life failure rates M, P, R, S.
CDR35*	1825	55681-13-90	/11	AVX Ceramics Corp. (1)  All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, N, S, U, W, Y, life failure rates M, P, R, S.
CDR35*	C1825	55681-349-85	/11	Kemet Electronics Corp.  All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. S, U, W, Y, life failure rates M, P, R, S.
CDR35	8702	55681-531-91	/11	Vitramon, Inc.  All cap. values and tols., in 50 and 100 volts, BP and BX rated temp. and volt. temp. limits, terms. M, W, Y, life failure rates M, P, R, S.

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MANUFACTURER'S NAME, ADDRESS  
AND PLANT

CAGE  
CODE

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AVX Ceramics Corporation  
17th Avenue South  
Myrtle Beach, SC 29577  
Plants: 1. Same Address  
2. 5701 E. Fourth Plain Blvd.  
Vancouver, WA 98661

04222  
0FDX0

American Technical Ceramics  
One Norden Lane  
Huntington Station, NY 11746  
Plant: Same Address

29990

Kemet Electronics Corporation  
P.O. Box 5928  
Greenville, SC 29606  
Plant: Periferico Alianza y Jose Arresse #10  
Matamoros, Mexico

31433

Presidio Components, Inc.  
7185 Construction Court  
San Diego, CA 92121  
Plant: Same Address

60212

Vitramon, Inc.  
P.O. Box 544  
Bridgeport, CT 06601  
Plant: Route 25  
Monroe, CT

95275

AUTHORIZED ER DISTRIBUTORS (Category A unless otherwise specified):

MANUFACTURER: AVX Corporation  
17th Avenue South  
Myrtle Beach, SC 29577

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

Advacom, Inc. \* Capstone \*  
8755-C Guion Road 1162 Springlake Drive  
Indianapolis, IN 46268 Itasca, IL 60143-1362

Advacom, Inc. \* Capstone \*  
1435-A Shoup Mill Road 9801 Legler Road  
Dayton, OH 45414 Lenexa, KS 66219

Advacom, Inc. \* Capstone \*  
26250 Euclid Avenue, Suite 525 25 Upton Drive  
Euclid, OH 44132 Wilmington, MA 01887

Advacom, Inc. Capstone  
30 Chapin Road, Bldg. 1209 18640 Lake Drive E.  
Pine Brook, NJ 07058 Chanhassen, MN 55317

Advacom, Inc. \* Capstone \*  
2258 Keuka Business Park 5230 Green's Dairy Road  
Penn Yan, NY 14527 Raleigh, NC 27604

Advacom, Inc. \* Capstone \*  
5620 West Road 4 East Stow Road, Suite 12  
McKean, PA 16426 Marlton, NJ 08053

Advacom, Inc. \* Capstone \*  
100071 Sammeyer Lane 9500 S.W. Nimbus Drive  
Philadelphia, PA 19116 Beaverton, OR 97008

Advacom, Inc. \* Capstone \*  
100 Sagamore Hill Road 3220 Commander Drive  
Pittsburgh, PA 15239-2982 Carrollton, TX 75006

C & D Electronics \* Future Electronics \*  
28 Appleton Street 6767 Old Madison Pike, Suite 400A  
Holyoke, MA 01040 Huntsville, AL 35806

California Capacitor \* Future Electronics \*  
1579 Centre Pointe Drive 4636 E. University Drive, Suite 245  
Milpitas, CA 95035-6834 Phoenix, AZ 85034

Capstone \* Future Electronics \*  
6 Cromwell Street, Suite 100 27489 W. Agoura Road, Suite 300  
Irvine, CA 92718 Agoura Hills, CA 91301

Capstone \* Future Electronics \*  
1160 Ridder Park Drive 25-B Technology, Suite 200  
San Jose, CA 95131 Irvine, CA 92718

Capstone \* Future Electronics \*  
\* 1093 Meyerside Drive 755 Sunrise Avenue, Suite 150  
Mississauga, Ontario, Canada L5T 1M4 Roseville, CA 95661

Capstone \* Future Electronics \*  
3254-A Fraser Street 5151 Shoreham Place, Suite 220  
Aurora, CO 80011 San Diego, CA 92122

MANUFACTURER: AVX Corporation (Continued)

Future Electronics 2220 O'Toole Avenue San Jose, CA 95131	*	Future Electronics 3100 W. Higgins Road, Suite 160 Hoffman Estates, IL 60195	*
Future Electronics - Canada 2015 32nd Avenue, N.E. Calgary, Alberta T2E 6Z3	*	Future Electronics 8425 Woodfield Crossing, Suite 175 Indianapolis, IN 46240	*
Future Electronics - Canada 6029 103rd Street Edmonton, Alberta T6H 2H3	*	Future Electronics 10977 Granada Lane, Suite 210 Overland Park, KS 66211	*
Future Electronics - Canada 1695 Boundary Road Vancouver, B.C. V5K 4X7	*	Future Electronics 41 East Main Street Bolton, MA 01740	
Future Electronics - Canada 106 King Edward Winnipeg, Manitoba R3H 0N8	*	Future Electronics 6716 Alexander Bell Drive, Suite 220 Columbia, MD 21046	*
Future Electronics - Canada 5935 Airport Road, Suite 200 Mississauga, Ontario L4V 1W5	*	Future Electronics S.A. de C.V. Chimal Huacan 3369 5TO Pisco - 8CD Del Sol Zapopan, Jalisco 45050 Mexico	*
Future Electronics - Canada 1101 Prince of Wales Drive, Suite 210 Ottawa, Ontario K2C 3W7	*	Future Electronics 35200 Schoolcraft Road, Suite 106 Livonia, MI 48150	*
Future Electronics - Canada 237 Hymus Boulevard Pointe Claire, Quebec H9R 5C7	*	Future Electronics 4505 Broadmoor, S.E. Grand Rapids, MI 49512	*
Future Electronics - Canada 1000 Ave., St. John Baptiste, Suite 100 Quebec, Quebec G2E 5G5	*	Future Electronics 10025 Valley View Road, Suite 196 Eden Prairie, MN 55344	*
Future Electronics 12600 W. Colfax Ave., Suite B110 Lakewood, CO 80215	*	Future Electronics 12125 Woodcrest Executive Drive Suite 220 St. Louis, MO 63141	*
Future Electronics Westgate Office Center 700 W. Johnson Avenue Cheshire, CT 06410	*	Future Electronics 8401 University Executive Pk., Suite 108 Charlotte, NC 28282	*
Future Electronics 237 S. Westmonte Drive, Suite 307 Altamonte Springs, FL 32714	*	Future Electronics 5225 Capital Boulevard 1 North Commerce Center Raleigh, NC 27604	*
Future Electronics 1400 E. Newport Center Dr., Suite 200 Deerfield Beach, FL 33442	*	Future Electronics 12 East Stowe Road, Suite 200 Marlton, NJ 08053	*
Future Electronics 2200 Tall Pines Drive, Suite 108 Largo, FL 34621	*	Future Electronics 1259 Route 46E Parsippany, NJ 07054	*
Future Electronics 3150 Holcomb Bridge Road, Suite 130 Norcross, GA 30071	*		

MANUFACTURER: AVX Corporation (Continued)

Future Electronics 801 Motor Parkway Hauppauge, NY 11788	*	Hamilton Hallmark 4890 University Drive, Suite 1 Huntsville, AL 35805
Future Electronics 300 Linden Oaks Rochester, NY 14625	*	Hamilton Hallmark #5 Hummingbird Lane Eurfaula, AL 36027
Future Electronics 200 Salina Meadows Pkwy, Suite 130 Syracuse, NY 13212	*	Hamilton Hallmark 60 S. McKemy Road Chandler, AZ 85226
Future Electronics 1430 Oak Court, Suite 203 Beavercreek, OH 45430	*	Hamilton Hallmark 915 Kiowa Avenue Lake Havasu City, AZ 86403
Future Electronics 6009-E Landerhaven Drive Mayfield Heights, OH 44124	*	Hamilton Hallmark 2617 S. 46th Street Phoenix, AZ 85034
Future Electronics 7204 S.W. Durham Road, Suite 800 Portland, OR 97224	*	Hamilton Hallmark 615 S. River Road Tempe, AZ 85281
Future Electronics URB Belmonte Galicia #45 Mayaguez, PR 00680	*	Hamilton Hallmark 7400 North Oracle, Suite 321 Tucson, AZ 85701
Future Electronics 6850 Austin Center Boulevard Suite 320 Austin, TX 78731	*	Hamilton Hallmark 10950 Washington Boulevard Culver City, CA 90232
Future Electronics 7500 Viscount, Suite C75 El Paso, TX 79925	*	Hamilton Hallmark 44141 S. Grimmer Boulevard Fremont, CA 94538
Future Electronics 10333 Richmond Avenue, Suite 97D Houston, TX 77042	*	Hamilton Hallmark 17335 Mt. Wynne Fountain Valley, CA 92708
Future Electronics 800 E. Campbell, Suite 130 Richardson, TX 75081	*	Hamilton Hallmark 7230 Hollister Goleta, CA 93117
Future Electronics 3450 S. Highland Drive, Suite 301 Salt Lake City, UT 84106	*	Hamilton Hallmark 140 Technology Drive, Suite 400 Irvine, CA 92718
Future Electronics North Creek Corporate Center 19102 North Creek Parkway, Suite 118 Bothell, WA 98011	*	Hamilton Hallmark 1010 Commerce Way Paso Robles, CA 93446
Future Electronics 250 N. Patrick Boulevard, Suite 170 Brookfield, WI 53045	*	Hamilton Hallmark 167 West Poplar Porterville, CA 93257
		Hamilton Hallmark 800 Saginaw Road Redwood City, CA

MANUFACTURER: AVX Corporation (Continued)

Hamilton Hallmark  
580 Menlo Drive, Suite 2  
Rocklin, CA 95677

Hamilton Hallmark  
5516 Rio Vista Drive  
Clearwater, FL 34620

Hamilton Hallmark  
4545 Viewridge Avenue  
San Diego, CA 92123

Hamilton Hallmark  
3350 N.W. 53rd Street, Suite 105-107  
Ft. Lauderdale, FL 33309

Hamilton Hallmark  
2105 Lundy Avenue  
San Jose, CA 95131

Hamilton Hallmark  
2100 N.W. 62nd Street  
Ft. Lauderdale, FL 33310

Hamilton Hallmark  
520 Mercury Drive  
Sunnyvale, CA 94086-4018

Hamilton Hallmark  
651 W. 20th Street  
Hialeah, FL 33010

Hamilton Hallmark  
1382 Bell Avenue  
Tustin, CA 92680

Hamilton Hallmark  
1575 Baymeadows Way  
Jacksonville, FL 32256

Hamilton Hallmark  
21150 Califa Street  
Woodland Hills, CA 91327

Hamilton Hallmark  
8545 126th Avenue North  
Largo, FL 34643

Hamilton Hallmark  
8610 Commerce Court  
Burnaby, B.C., V5A 4N6 Canada

Hamilton Hallmark  
6101 Lake Eleanor Drive  
Orlando, FL 32809

Hamilton Hallmark  
151 Superior Boulevard, Unit 1-6  
Mississauga, Ontario L5T 2L1 Canada

Hamilton Hallmark  
2900 Crateway Drive  
Pompano Beach, FL 33069

Hamilton Hallmark  
190 Colonnade Road  
Nepean, Ontario K2E 7J5 Canada

Hamilton Hallmark  
13750 Reptron Boulevard  
Tampa, FL

Hamilton Hallmark  
7575 Transcanada Highway, Suite 600  
Ville St. Laurent, Quebec H4T 1V6 Canada

Hamilton Hallmark  
7079 University Boulevard  
Winter Park, FL 32792

Hamilton Hallmark  
725 Wooten Road, Suite 28  
Colorado Springs, CO 80915

Hamilton Hallmark  
3425 Corporate Way, Suites G & A  
Duluth, GA 30136

Hamilton Hallmark  
12503 E. Euclid Avenue, Suite 20  
Englewood, CO 80111

Hamilton Hallmark  
3030 Salt Creek Lane, Suite 300  
Arlington Heights, IL 60005

Hamilton Hallmark  
1201 Oak Street  
Lakewood, CO 80215

Hamilton Hallmark  
1315 Paramount Parkway  
Batavia, IL 60510

Hamilton Hallmark  
1200 W. 120th Avenue  
Westminster, CO 80234

Hamilton Hallmark  
1000 Remington  
Bolingbrook, IL 60440

Hamilton Hallmark  
1157 Highland Avenue, Suite 207  
Cheshire, CT 06410

Hamilton Hallmark  
1602 Newton Drive  
Champaign, IL 61821

MANUFACTURER: AVX Corporation (Continued)

Hamilton Hallmark  
1675 Delancy Road  
Gurnee, IL 60031

Hamilton Hallmark  
750 N. Maple Road  
Saline, MI 48176

Hamilton Hallmark  
902 S. Second  
Marshall, IL 62441

Hamilton Hallmark  
9401 James Avenue S., Suite 140  
Bloomington, MN 55431

Hamilton Hallmark  
620 Stetson Avenue  
St. Charles, IL 60174

Hamilton Hallmark  
3783 Rider Trail, S.  
Earth City, MO 63045

Hamilton Hallmark  
Highway 46, Door R6  
Batesville, IN 47006

Hamilton Hallmark  
2100 W. Broad Street  
Elizabethtown, NC 28337

Hamilton Hallmark  
655 W. Carmel Drive, Suite 160  
Carmel, IN 46032

Hamilton Hallmark  
U.S. Route 97  
Elm City, NC 27822

Hamilton Hallmark  
1010 West Chestnut  
Chanute, KS 66720

Hamilton Hallmark  
5234 Green's Dairy Road  
Raleigh, NC 27604

Hamilton Hallmark  
400 N. Rogers Road  
Olathe, KS 66062

Hamilton Hallmark  
Coles Road at Route 42  
Blackwood, NJ 08057

Hamilton Hallmark  
9200 Indian Creek Parkway  
Overland Park, KS 66210

Hamilton Hallmark  
121 Whillendale Drive  
Morristown, NJ 08057

Hamilton Hallmark  
1847-G Mercer Road  
Lexington, KY 45011

Hamilton Hallmark  
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Parsippany, NJ 07054

Hamilton Hallmark  
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Hamilton Hallmark  
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Hamilton Hallmark  
185 Monmouth Parkway  
W. Long Beach, NJ 07764

Hamilton Hallmark  
500 Arsenal Street  
Watertown, MA 02172

Hamilton Hallmark  
2601 Wyoming Boulevard, NE  
Albuquerque, NM 87109

Hamilton Hallmark  
7134 Columbia Gateway Circle, Suite 100  
Columbia, MD 21046

Hamilton Hallmark  
390 Rabro Drive  
Hauppauge, NY 11788

Hamilton Hallmark  
1746 O'Rourke Boulevard  
Gaylord, MI 49735

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1057 E. Henrietta Road  
Rochester, NY 14623

Hamilton Hallmark  
44191 Plymouth Oaks Blvd., Suite 1300  
Plymouth, MI 48170

Hamilton Hallmark  
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Rochester, NY 14623

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Solon, OH 44139

Hamilton Hallmark  
11420 Pagemill Drive  
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Hamilton Hallmark  
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12206 E. 51st Street, Suite 103  
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Houston, TX 77042

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Albany, OR 97321

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Irving, TX 75038

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Beaverton, OR 97005

Hamilton Hallmark  
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Eugene, OR 97402

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Hamilton Hallmark  
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Madison, WI 53717

Hamilton Hallmark  
Bldg. 1, Industrial Park  
Lewisburg, TN 37091

Hamilton Hallmark  
8855 N. 55th Street  
Milwaukee, WI 53223

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Milwaukee, WI 53223

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New Berlin, WI 53146

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St. Paul, MN 55114

Hamilton Hallmark  
1300 N. Airport Road  
Phillips, WI 54555

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Huntsville, AL 35805

Kent Electronics, Inc.  
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2191 George Urban Boulevard  
Depew, NY 14043

Kent Electronics, Inc.  
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Fountain Valley, CA 92708

Kent Electronics, Inc.  
600 Seneca Street  
Oneida, NY 13421

Kent Electronics, Inc.  
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San Diego, CA 92121

Kent Electronics, Inc.  
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Beaverton, OR 97005

Kent Electronics, Inc.  
225 Charcot Avenue  
San Jose, CA 95131

Kent Electronics, Inc.  
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Austin, TX 78758

Kent Electronics, Inc.  
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Englewood, CO 80112

Kent Electronics, Inc.  
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Wallingford, CT 06492

Kent Electronics, Inc.  
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Richardson, TX 75081-2437

Kent Electronics, Inc.  
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Redmond, WA 98052

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Cedar Rapids, IA 52402

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Huntsville, AL 35801

Kent Electronics, Inc.  
721 Landmeier Road  
Elk Grove Village, IL 60007

Marshall Industries  
9831 S. 51st Street, Suites C107-109  
Phoenix, AZ 85044

Kent Electronics, Inc.  
6316 College Boulevard  
Overland Park, KS 66211

Marshall Industries  
9320 Telstar Avenue  
El Monte, CA 91731

Kent Electronics, Inc.  
19 Alpha Road  
Chelmsford, MA 01824

Marshall Industries  
9661 Telstar Avenue  
El Monte, CA 91731

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Marshall Industries  
50 East Commerce, Unit 1  
Schaumburg, IL 60195

Marshall Industries  
336 Los Choches Street  
Milpitas, CA 95035

Marshall Industries  
5933 Lakeside Boulevard  
Indianapolis, IN 46278

Marshall Industries  
2941 Sunrise Boulevard, Suite 130  
Rancho Cordova, CA 95742

Marshall Industries  
10413 W. 84th Terrace  
Pine Ridge Business Park  
Lenexa, KS 66214

Marshall Industries  
5961 Kearny Villa  
San Diego, CA 92123

Marshall Industries  
33 Upton Drive  
Wilmington, MA 01887

Marshall Industries  
558 St. Charles Drive, Suite 200  
Thousand Oaks, CA 91360-3903

Marshall Industries  
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Marshall Industries  
6815 8th Street, N.E., Suite 152  
Calgary, Alberta T2E 7H7 Canada

Marshall Industries  
31067 Schoolcraft Road  
Livonia, MI 48150

Marshall Industries  
4170 Still Creek Drive, Suite 200  
Burnaby, British Columbia V5C 6C6 Canada

Marshall Industries  
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Marshall Industries  
6285 Northam Drive, Suite 12  
Mississauga, Ontario L4V 1X5 Canada

Marshall Industries  
5224 Green's Dairy Road  
Raleigh, NC 27604

Marshall Industries  
148 Brunswick Boulevard  
Point Claire, Quebec H9R 5P9 Canada

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Fairfield, NJ 07006

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Ronkonkoma, NY 11779

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Marshall Industries  
100 Marshall Drive  
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Marshall Industries  
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Marshall Industries  
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Marshall Industries  
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Milgray Electronics, Inc. 12000 Richmond Avenue, Suite 31 Houston, TX 77082	*	Time Electronics 2617 S. 46th Street Phoenix, AZ 85034	
Milgray Electronics, Inc. 310 E. 4500 S., Suite 110 Murray, UT 84107	*	Time Electronics 140 Technology Drive, Suite 300 Irvine, CA 92718	
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Neumann Electronics 13902 Heidi Street Garden Grove, CA 92643		Time Electronics 12503 E. Euclid Drive, #20 Englewood, CO 80111	
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Arlington Heights, IL 60005

Time Electronics  
8216 154th Avenue, N.E.  
Redmond, WA 98052

Time Electronics  
10-A Centennial Drive  
Peabody, MA 01960

Tri-Start Electronics  
2205 Brandon Station Road  
Pleasant Garden, NC 27313

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Time Electronics  
7134 Columbia Gateway Drive, Suite 400  
Columbia, MD 21046

Tri-Start Electronics  
277 Fairfield Road, Suite 122  
Fairfield, NJ 07006

\*

Time Electronics  
5959 Baker Road, Suite 350  
Minnetonka, MN 55345

Tri-Start Electronics  
18 Broad Street, Room 811  
Charleston, SC 29401

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Time Electronics  
319 Consort Drive  
Manchester, MO 63011

Tri-Start Electronics  
134 Remington Boulevard  
Ronkonkoma, NY 11779

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Time Electronics  
5234 Green's Dairy Road  
Raleigh, NC 27604

Time Electronics  
7000 Atrium Way, Suite 4  
Mt. Laurel, NJ 08054

Time Electronics  
10 Lanidex Plaza West  
Parsippany, NJ 07054

Time Electronics  
70 Marcus Boulevard  
Hauppauge, NY 11788

Time Electronics  
5792 Widewaters Parkway  
Syracuse, NY 13214

Time Electronics  
5000 Rockside Road  
Independence, OH 44131

Time Electronics  
9750 S.W. Nimbus Avenue  
Beaverton, OR 97005

Time Electronics  
12211 Technology Boulevard  
Austin, TX 78727

Time Electronics  
11333 Pagemill Road  
Dallas, TX 75243

Time Electronics  
10500 Richmond Avenue  
Houston, TX 77042

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Cypress, CA 90630

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Bell Industries \*  
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Irvine, CA 92718

Acacia \*  
16592 Millikan Avenue  
Irvine, CA 92714

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11812 San Vincente Boulevard  
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Acacia \*  
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San Diego, CA 92121

Bell Industries \*  
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San Diego, CA 92123-1320

Acacia \*  
12421 W. 49th Street, Unit #1  
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Bell Industries \*  
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Santa Fe Springs, CA 90670

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3101 S.W. 153rd Drive, Suite 304  
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Acacia \*  
West Park C  
8563 154th Avenue, N.E.  
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Thornton, CO 80221

Alliance Electronics, Inc. \*  
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3411 Bryn Mawr, N.E.  
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Bell Industries \*  
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Arm Bar Industries  
P.O. Box 339  
139 White Oak Lane  
Old Bridge, NJ 08857

Bell Industries \*  
3020-A Business Park Drive  
Norcross, GA 30071

Bell Industries \*  
140 S. Lindon Lane  
Tempe, AZ 85281

Bell Industries \*  
870 Cambridge  
Elk Grove Village, IL 60007

Bell Industries \*  
30301 Agoura Court  
Agoura Hills, CA 91301

Bell Industries \*  
5226 West 79th Street  
Indianapolis, IN 46278

Bell Industries/J.I.T. Division \*  
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Indianapolis, IN 46278

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Bell Industries 158 Gaither Drie Mt. Laurel, NJ 08054	*	Electro Sonic, Inc. 1661 Portage Avenue Winnipeg, Manitoba R3J 3T7, Canada	*
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Bell Industries 446 Windsor Park Road Dayton, OH 45459		Farnell Electronic Services 2107 N. First Street, Suite 440 San Jose, CA 95131	
Bell Industries 9275 S.W. Nimbus Avenue Beaverton, OR 97005	*	Farnell Electronic Services 3015 5th Avenue, N.E., Suite 210 Calgary, Alberta, Canada	
Bell Industries 1701 Greenville Avenue Richardson, TX 75081	*	Farnell Electronic Services 8535 Commerce Court, Unit 101 Burnaby, B.C., V5A 4U7, Canada	
Bell Industries 6912-B South 185 W. Midvale, UT 84047	*	Farnell Electronic Services 1625 Dublin Avenue, Unit 250 Winnipeg, Manitoba R3H 0W3, Canada	
Bell Industries 1715 114th Avenue, N.E. Bellevue, WA 98004-6906		Farnell Electronic Services 29 Robertson Road, Suite 506 Nepean, Ontario K2H 8R2, Canada	
Bell Industries W226 N900 Eastmound Drive Waukesha, WI 53186	*	Farnell Electronic Services 300 N. Rivermead Road Concord, Ontario L4K 3N6, Canada	*
Capsco Sales 1031 Kiel Court Sunnyvale, CA 94089-2104		Farnell Electronic Services 6600 Trans Canada Highway, Suite 260 Pointe Claire, Quebec H9R 4S2, Canada	
Capsco Sales 15455 NW Greenbrier Parkway, Suite 120 Beaverton, OR 97026	*	Farnell Electronic Services 245 Shorewood Drive Webster, NY 14580	
Capsco Sales 14902 N.E. 31st Circle Redmond, WA 98052	*	Golden Electronics 115 S. Walnut Circle Greensboro, NC 27409	
Electro Sonic, Inc. 237 N. Heritage Trail, S.E. Calgary, Alberta T2H 0M6, Canada	*	Hamilton/Hallmark 3030 Salt Creek Lane, Suite 300 Arlington Heights, IL 60006	
Electro Sonic, Inc. 4020 Viking Way Richmond, B.C., V6U 2N2, Canada	*	Hammond Electronics 4111-B Evangel Circle, N.W. Huntsville, AL 35816	

MANUFACTURER: Kemet Electronics Corporation (Continued)

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145 Oser Avenue  
Hauppauge, L.I., NY 11787 (Category B)

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5680 Oakbrook Parkway  
Norcross, GA 30093

Jaco Electronics  
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2923 Pacific Avenue  
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17220 127th Place, Suite 300  
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Jaco Electronics  
1610-A Barryesa Road  
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Newark Electronics  
4747 West Century Boulevard  
Inglewood, CA 90304-1441

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Tustin, CA 92680

Newark Electronics  
271 Attwell Drive  
Etobicoke, Ontario, M9W 5B9 Canada

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1625 Trinity Drive  
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Newark Electronics  
4755 Paris Street  
Denver, CO 80239

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Newark Electronics  
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Newark Electronics  
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Oak Park, MI 48237-0630

Jaco Electronics.  
10340 Viking Drive  
Eden Prairie, MN 55344

Newark Electronics  
336 Hoover Street, N.E.  
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Newark Electronics  
217 Wilcox Avenue  
Gaffney, SC 29340

Jaco Electronics  
4900 S.W. Griffith Drive  
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707 Easy Street  
Garland, TX 75042-6841

MANUFACTURER: Kemet Electronics Corporation (Continued)

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North American Capacitors 7545 Rockville Road Indianapolis, IN 46224 (Category B)		Pioneer/Dayton 4433 Interpoint Blvd. Dayton, OH 45424	
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Pioneer Electronics 217 Technology Drive, #110 Irvine, CA 92718		Pioneer/Pittsburgh 259 Kappa Drive Pittsburgh, PA 15238	*
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Seymour Electronics 6410-A Dobbin Road Columbia, MD 21045	*	Sterling Electronics 14635 W. 95th Street Lenexa, KS 66215	*
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Sterling Electronics 9340 Hayward Way, Suite 3A San Diego, CA 92123	*	Sterling Electronics 3540-D Pan American Expressway Albuquerque, NM 87107	*
Sterling Electronics 2151 Bering Drive San Jose, CA 95131	*	Sterling Electronics 6557-A Cochran Road Solon, OH 44139	*
Sterling Electronics 31200 Via Colinas, Suite 110 Westlake, CA 91362	*	Sterling Electronics 5119 S. 110th E. Avenue Tulsa, OK 74146	*
		Sterling Electronics 11500 Metric Boulevard, Suite 495 Austin, TX 78758	*

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Sterling Electronics 1615 West 2200 South Salt Lake City, UT 84119	*	T.T.I. 6420 Dobbin Road Columbia, MD 21045	*
Sterling Electronics 711-J Moorefield Park Drive Richmond, VA 23236	*	T.T.I. 12301 Whitewater Drive Minnetonka, MN 55343	*
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T.T.I. 4625 S. Wendler Drive, Suite 108 Tempe, AZ 85282	*	T.T.I. 1 Executive Drive Morristown, NJ 08057	*
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T.T.I. 15535 San Fernando Mission Blvd. Mission Hills, CA 91345	*	T.T.I. 4700 Rockside Road Cleveland, OH 44131	*
T.T.I. 13220 Evening Creek Drie San Diego, CA 92128	*	T.T.I. 6500 Poe Avenue, Suite 400 Dayton, OH 45414	*
T.T.I. 1570 Brookhollow Suite 103 Santa Ana, CA 92128	*	T.T.I. 7185 S.W. Sandburg Road, Suite 202 Tigard, OR 97223	*
T.T.I. 6510 W. 91st Avenue Westminster, CO 80031	*	T.T.I. 7359 Airport Freeway Fort Worth, TX 76118	*
T.T.I. 8 Fairfield Boulevard Wallingford, CT 06492	*	T.T.I. 2441 Northeast Parkway Fort Worth, TX 76106-1896	*
T.T.I. 6220 South Orange Blossom, Suite 516 Orlando, FL 32809	*	T.T.I. 10849 Kinhurst Houston, TX 77099	*
T.T.I. 6410 Atlantic Boulevard Norcross, GA 30071	*	T.T.I. 9577 N.E. 153rd Street Redmond, WA 98052	*
T.T.I. 1301 Basswood Road Schaumburg, IL 60173	*	Zeus Components 2415 West Erie Drive Tempe, AZ 85282-3172	*

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Irvine, CA 92718

Zeus Components \*  
6276-E San Ignacio Avenue  
San Jose, CA 95119

Zeus Components \*  
37 Skline Drive  
Lake Mary, FL 32746

Zeus Components \*  
1140 W. Thorndale Avenue  
Itasca, IL 60143

Zeus Components \*  
25 Upton Drive  
Wilmington, MA 01887

Zeus Components \*  
100 Midland Avenue  
Port Chester, NY 10573

Zeus Components \*  
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Carrollton, TX 75006

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2301 DuPont Drive, Suite 160  
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Jaco Electronics  
1053 East Street  
Tewksbury, MA 01887

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Falcon Electronics  
5 Higgins Drive  
Milford, CT 06460

Jaco Electronics  
10270 Old Columbia Road  
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Falcon Electronics  
1203 South Semoran Boulevard  
Winter Park, FL 32792

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Jaco Electronics  
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500 Franklin Village Drive, Suite 302  
Franklin, MA 02038

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3158 S. 108th East Avenue  
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4251 Kellway Circle  
Addison, TX 75244

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1383-18 Veterans Memorial Highway  
Hauppauge, NY 11788

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Jaco Electronics  
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Austin, TX 78758

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Jaco Electronics  
23-441 South Point Drive  
Laguna Hills, CA 92653

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Jaco Electronics  
1005 Industrial Boulevard  
Sugar Land, TX 77478

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Jaco Electronics  
23-441 South Point Drive  
Laguna Hills, CA 92653

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Bldg. "o", Unit 202  
Redmond, WA 98052

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Jaco Electronics  
2880 Zanker Road  
San Jose, CA 95134

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Rockaway, NJ 07866

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Westlake Village, CA 91361

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Surface Mount Distribution, Inc.  
16321-G Gothard Street  
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Jaco Electronics  
384 Pratt Street  
Meriden, CT 06450

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T.T.I.  
4625 S. Wendler Drive, Suite 108  
Tempe, AZ 85282

\*

Jaco Electronics  
828 S.E. 43rd Street  
Cape Coral, FL 33904

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T.T.I.  
1535 McCandless Drive, Bldg. 11  
Milpitas, CA 95035

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Jaco Electronics  
1202 Tech Boulevard  
Tampa, FL 33619

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T.T.I.  
10200 Sepulveda Boulevard  
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Fort Worth, TX 76137

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1570 Brookhollow, Suite 103  
Santa Ana, CA 92128

T.T.I.  
9577 N.E. 153rd Street  
Redmond, WA 98052

T.T.I.  
6800 North Broadway, Suite 107  
Denver, CO 80221

TriTech Electronics Distributors  
407 Bayside Avenue  
Oceanside, NY 11572

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8 Fairfield Boulevard  
Wallingford, CT 06492

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Orlando, FL 32809

T.T.I.  
2979-A Pacific Drive  
Norcross, GA 30071

T.T.I.  
100 Research Drive  
Wilmington, MA 01887

T.T.I.  
6420 Dobbin Road  
Columbia, MD 21045

T.T.I.  
12301 Whitewater Drive  
Minnetonka, MN 55344

T.T.I.  
200 Century Parkway  
Mt. Laurel, NJ 08054

T.T.I.  
921 South 2nd Street  
Ronkonkoma, NY 11779

T.T.I.  
670-A Lakeview Plaza Boulevard  
Columbus, OH 43085

T.T.I.  
7359 Airport Freeway  
Fort Worth, TX 76118

T.T.I.  
2441 Northeast Parkway  
Fort Worth, TX 76101-1896