Specification Details: **Date: 12/26/2007**

Specification: MIL-PRF-20
Title: Capacitor, Fixed, Ceramic Dielectric, Temperature Compensating
Federal Supply Class (FSC): 5910
Conventional: Yes
Specification contains quality assurance program: No
MIL-STD-790 Established Reliability & High Reliability: Yes
MIL-STD-690 Failure Rate Sampling Plans & Procedures: Yes
Weibull Graded: No
Specification contains space level reliability requirements: No
Specification allows test optimization: No

Contact Information:

DSCC Office of Primary Involvement: Passive Devices Team, DSCC-VQP
Primary DSCC-VQ Contact: 614-692-0666, e-mail: vqp.mp@dla.mil
Secondary DSCC-VQ Contact: 614-692-0597, e-mail: vqp.jz@dla.mil

Notes:

An asterisk (*) adjacent to the product listing indicates that qualified parts listed 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 listing. 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 listing 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 since authorized distributors are subject to change by the manufacturer at any time. Inclusion of a firm or such list is not, under any circumstance, to be considered an endorsement of such firm or its products by the Department of Defense.

Part Configuration:

ER: CCR75CH1R0CMV

Style	Characteristic	Capacitance Value	Capacitance Tolerance	Product Level Designator	Standoff Option
CCR75	CH	1R0	C	M	V

Non-ER: CC75 CH 1R0 C

Style	Characteristic	Capacitance Value	Capacitance Tolerance
CC75	CH	1R0	C

Part Listings:

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CC05				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, J	MR05-CC05 MR05-CC-5	20-1088-80	/35	AVX (Conway, SC) AVX Avio Excelente, SA de C.V.
CC05				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, H	C052G	20-1102-73 20-488-88	/35	Kemet Electronics Corporation
CCR05*				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, J; standoffs V; product level M, P, R, S	MR05-CCR05 MR-55	20-1088-80 20-395-88 39014-28-96	/35	AVX (Conway, SC) AVX Avio Excelente, SA de C.V.
CCR05*				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, J; standoffs V; product level M, P, R, S	C052G C056G	20-1102-73 20-389-88	/35	Kemet Electronics Corporation
CC06				
Chars. CG; voltage 50, 100, 200; cap. values 360 pF thru 18000 pF; tols. F, G, J, K	MR06-CC06	20-553-86	/36	AVX (Conway, SC) AVX Avio Excelente, SA de C.V.
CC06				
Chars. CG; voltage 50, 100, 200; cap. values 360 pF thru 18000 pF; tols. F, G, J, K	C062G C065	20-1102-73 20-489-88	/36	Kemet Electronics Corporation

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CCR06*				
Chars. CG; voltage 50, 100, 200; cap. values 360 pF thru 18000 pF; tols. F, G, J, K; standoffs V; product level M, P, R, S	HRM06 MR06-CCR06 MR-66	20-1089-80 20-396-88 39014-29-96	/36	AVX (Conway, SC) AVX Avio Excelente, SA de C.V.
CCR06*				
Chars. CG; voltage 50, 100, 200; cap. values 360 pF thru 18000 pF; tols. F, G, J, K; standoffs V; product level M, P, R, S	C062G C065 C066G	20-1102-73 20-390-88	/36	Kemet Electronics Corporation
CC07				
Chars. CG; voltage 50, 100, 200; cap. values 2200 pF thru 100000 pF; tols. F, G, J, K	MR07-CC07	20-141-74 20-93-96 20-083-97	/37	AVX (Conway, SC) AVX Avio Excelente, SA de C.V.
CC07				
Chars. CG; voltage 50, 100, 200; cap. values 2200 pF thru 100000 pF; tols. F, G, J, K	C51G	20-1103-73	/37	Kemet Electronics Corporation
CCR07*				
Chars. CG; voltage 50, 100, 200; cap. values 2200 pF thru 100000 pF; tols. F, G, J, K; product level M, P, R, S	MR07-CCR07	20-141-74 20-93-96	/37	AVX (Conway, SC) AVX Avio Excelente, SA de C.V.
CCR07*				
Chars. CG; voltage 50, 100, 200; cap. values 2200 pF thru 100000 pF; tols. F, G, J, K; product level M, P, R, S	C512G	20-1103-73	/37	Kemet Electronics Corporation
CC08				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 68000 pF; tols. G, J, K; product level M, P, R, S	MR08-CC08	20-142-74 20-083-97	/38	AVX (Conway, SC)
CC08				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 68000 pF; tols. G, J, K	C522G	20-1103-73	/38	Kemet Electronics Corporation
CCR08*				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 68000 pF; tols. G, J, K; product level M, P, R, S	MR08-CCR08	20-142-74	/38	AVX (Conway, SC)
CCR08*				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 68000 pF; tols. G, J, K	C522G	20-1103-73	/38	Kemet Electronics Corporation
CC09				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, J	MR04-CC09	20-733-85 20-94-96	/35	AVX (Conway, SC)
CCR09*				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 3300 pF; tols. B, C, D, F, G, J; product level M, P, R, S	MR04-CCR09	39014-733-85 20-94-96	/35	AVX (Conway, SC)
CC75				
Chars. CH, CJ, CK, CX; voltage 200; cap. values 1 pF thru 9.1 pF; tols. C, D	MA10-CC75	20-143-74	/27	AVX (Conway, SC) AVX Avio Excelente, SA de C.V.
CC75				
Chars. CH; voltage 200; cap. values 10 pF thru 18 pF; tols. G, J	MA10-CC75	20-143-74	/27	AVX (Conway, SC)
CC75				
Chars. CG; voltage 50, 100, 200; cap. values 20 pF thru 680 pF; tols. F, G, J	MA10-CC75	20-143-74	/27	AVX (Conway, SC)
CC75				
Chars. CG, CH; voltage 50, 100, 200; cap. values 1 pF thru 680 pF; tols. B, C, D, F, G, J	C114G	20-490-88	/27	Kemet Electronics Corporation
CC75				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 680 pF; tols. B, C, D, F, G, J	C114G	20-1104-73	/27	Kemet Electronics Corporation
CCR75*				
Chars. CG; voltage 50, 100, 200; cap. values 20 pF thru 680 pF; tols. F, G, J; product level M, P, R, S	MA10-CCR75	20-143-74	/27	AVX (Conway, SC)

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CCR75*				
Chars. CH; voltage 200; cap. values 10 pF thru 18 pF; tols. , G, J; product level M, P, R, S	MA10-CCR75	20-143-74	/27	AVX (Conway, SC)
CCR75*				
Chars. CH, CJ, CK, CX; voltage 200; cap. values 1 pF thru 9.1 pF; tols. C, D; product level M, P, R, S	MA10-CCR75	20-143-74	/27	AVX (Conway, SC)
CCR75*				
Chars. CG, CH, CJ, CK, CX; voltage 50, 100, 200; cap. values 1 pF thru 680 pF; tols. B, C, D, F, G, J; product level M, P, R, S	C114G	20-1104-73	/27	Kemet Electronics Corporation
CC76				
Chars. CG; voltage 50, 100, 200; cap. values 82 pF thru 1000 pF; tols. F, G, J	MA20-CC76	20-143-74	/28	AVX (Conway, SC)
CC76				
Chars. CG, CH; voltage 50, 100, 200; cap. values 82 pF thru 1000 pF; tols. F, G, J	C124G	20-1104-73 20-491-88	/28	Kemet Electronics Corporation
CCR76*				
Chars. CG; voltage 50, 100, 200; cap. values 82 pF thru 1000 pF; tols. F, G, J; product level M, P, R, S	MA20-CCR76	20-143-74	/28	AVX (Conway, SC)
CCR76*				
Chars. CG; voltage 50, 100, 200; cap. values 82 pF thru 1000 pF; tols. F, G, J; product level M, P, R, S	C124G	20-1104-73	/28	Kemet Electronics Corporation
CC77				
Chars. CG; voltage 50, 100, 200; cap. values 150 pF thru 5600 pF; tols. F, G, J, K	MA40-CC77	20-143-74	/29	AVX (Conway, SC)
CC77				
Chars. CG; voltage 50, 100, 200; cap. values 150 pF thru 5600 pF; tols. F, G, J, K	C192G	20-1104-73 20-490-88	/29	Kemet Electronics Corporation
CCR77*				
Chars. CG; voltage 50, 100, 200; cap. values 150 pF thru 5600 pF; tols. F, G, J, K; product level M, P, R, S	MA40-CCR77	20-143-74	/29	AVX (Conway, SC)
CCR77*				
Chars. CG; voltage 50, 100, 200; cap. values 150 pF thru 5600 pF; tols. F, G, J, K; product level M, P, R, S	C192G	20-1104-73	/29	Kemet Electronics Corporation
CC78				
Chars. CG; voltage 50, 100, 200; cap. values 820 pF thru 27000 pF; tols. F, G, J, K	MA50-CC78	20-143-74	/30	AVX (Conway, SC)
CC78				
Chars. CG; voltage 50, 100, 200; cap. values 820 pF thru 27000 pF; tols. F, G, J, K	C202G	20-1105-73	/30	Kemet Electronics Corporation
CCR78*				
Chars. CG; voltage 50, 100, 200; cap. values 820 pF thru 27000 pF; tols. F, G, J, K; product level M, P, R, S	MA50-CCR78	20-143-74	/30	AVX (Conway, SC)
CCR78*				
Chars. CG; voltage 50, 100, 200; cap. values 820 pF thru 27000 pF; tols. F, G, J, K; product level M, P, R, S	C202G	20-1105-73	/30	Kemet Electronics Corporation
CC79				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 82000 pF; tols. F, G, J, K	MA60-CC79	20-144-74	/31	AVX (Conway, SC)
CC79				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 82000 pF; tols. F, G, J, K	C222G	20-1105-73	/31	Kemet Electronics Corporation
CCR79*				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 82000 pF; tols. F, G, J, K; product level M, P, R, S	MA60-CCR79	20-144-74	/31	AVX (Conway, SC)

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CCR79*				
Chars. CG; voltage 50, 100, 200; cap. values 3900 pF thru 82000 pF; tols. F, G, J, K; product level M, P, R, S	C222G	20-1105-73	/31	Kemet Electronics Corporation

Manufacturer: AVX Corporation (CAGE Code: 04222)

Location: 801 17th Avenue South, Myrtle Beach, SC 29577, US

Plant Locations:
1. AVX (Conway, SC), 8021 Highway 501 West, Conway, SC 29526, US
2. AVX Avio Excelente, SA de C.V., CAGE Code: S9915, Area Riverena APDO Post 1709-D 32310, Cd Juarex, Chihuahua, C.P., Mexico

Category A: Authorized Stocking Distributor
Distributor Locations:
1. Allied Electronics, 7410 Pebble Drive, Fort Worth, TX 76118, US
2. Arrow Electronics, 7459 S. Lima Street, Englewood, CO 80112, US
3. Astrex Electronics, 205 Express Street, Plainview, NY 11803, US
4. Avnet Electronics, 2211 S. 47th Street, Phoenix, AZ 85034, US
5. C&D Electronics, 28 Appleton Street, Holyoke, MA 01040, US
6. California Capacitors, 1579 Centre Pointe Drive, Milpitas, CA 95035-6834, US
7. Digi-Key Corp., 701 Brooks Avenue S., Thief River Falls, MN 56701, US
8. Electronic Expeditors, N15 W22 180 Watertown Road, Waukesha, WI 53186, US
9. Future Electronics, 237 Hymus Boulevard, Pointe Claire, Quebec, Canada H9R 5C7
10. Garrett Electronics, 1320 W. McCoy Lane, Santa Maria, CA 93455, US
11. Mouser Electronics, 1000 N. Main Street, Mansfield, TX 76063, US
12. NEP, 805 Mittel Drive, Wood Dale, IL 60191, US
13. NRC, 6600 Park of Commerce Boulevard, Boca Raton, FL 33487, US
14. Neumann Electronics, 8665 Miralani Drive, San Diego, CA 92126, US
15. Newark Electronics, 4801 Ravenswood, Chicago, IL 60640, US
16. Powell Electronics, 200 Commodore Drive, Logan Township, NJ 08085, US
17. Spirit Electronics, 23910 N. 19th Avenue, Suite 26, Phoenix, AZ 85027, US
18. TTI Electronics, 2441 Northeast Parkway, Fort Worth, TX 76106-1896, US
19. Tri-Start Electronics, 134 Remington Boulevard, Ronkonkoma, NY 11779, US

Manufacturer: Kemet Electronics Corporation (CAGE Code: 31433)

Location: 2835 Kemet Way, Simpsonville, SC 29681-2457, US

Plant Location: Kemet de Mexico, S.A. de C.V., Avenida Eloy Cavazos 7908 Ote., Col. Rancho Viejo, Guadalupe, N.L., C.P. 61750, Mexico

Distributor Locations:
1. Allied Electronics, 7410 Pebble Drive, Fort Worth, TX 76118-6997, US
2. Allied Electronics, 9810 FM 1960 Bypass Road, W., Suite 210, Humble, TX 77338-3524, US
3. Allied Electronics, 3737 Executive Center Drive, Suite 230, Austin, TX 78731-1633, US
4. Allied Electronics, 9434 Viscount Blvd., Suite 207, El Paso, TX 79925-7056, US
5. Allied Electronics, 6 Inverness Ct. E, Suite 135, Englewood, CO 80112-5512, US
6. Allied Electronics, 1921 S. Alma School Road, Suite 210, Mesa, AZ 85210-3038, US
7. Allied Electronics, 515 E. 4500 S. Professional Plaza Suite G-210, Salt Lake City, UT 84107-4500, US
8. Allied Electronics, 10400 Griffin Road, Suite 208, Cooper City, FL 33328-3321, US
9. Allied Electronics, 7985 113th Street, Suite 300, Seminole, FL 33772-4788, US
10. Allied Electronics, 1310 Tower Lane, NE Suite A, Cedar Rapids, IA 52402-7488, US
11. Allied Electronics, 5035 Plainfield Ave. N.E., Suite E, Grand Rapids, MI 49525-1050, US
12. Allied Electronics, 20270 Middlebelt Road, Suite 8, Livonia, MI 48152-2000, US
13. Allied Electronics, 12400 N. Meridian Street, Suite 195, Carmel, IN 46032-4607, US
14. Allied Electronics, 5755 Granger Road, Suite 756, Independence, OH 44131-1459, US
15. Allied Electronics, 250 E. Wilson Bridge Road, Suite 270, Worthington, OH 43085-2374, US
16. Allied Electronics, 8134 New Lagrange Road, Suite 202, Louisville, KY 40222-4678, US
17. Allied Electronics, 2970 Cottage Hill Road, Suite 206, Mobile, AL 36606-4748, US
18. Allied Electronics, 4835 University Square, Suite 12, Huntsville, AL 35816-1845, US
19. Allied Electronics, 800 Roosevelt Road, Bldg. C, Suite 320, Glen Ellyn, IL 60137-5839, US
20. Allied Electronics, 6120 Earle Brown Drive, Suite 400, Brooklyn Center, MN 55430-2123, US
21. Allied Electronics, 2180 W. State Road 434, Suite 1170, Longwood, FL 32779-5008, US
22. Allied Electronics, 20 Technology Parkway South, Suite 350, Norcross, GA 30092-2929, US
23. Allied Electronics, 300 Executive Center Drive, Suite 250B-197, Greenville, SC 29615-4519, US
24. Allied Electronics, 801 Jones Franklin Road, Suite 290, Raleigh, NC 27606-3381, US
25. Allied Electronics, 4525 E. Honeygrove Road, Suite 202, Virginia Beach, VA 23455-6090, US
26. Allied Electronics, 7406 Alban Station Court, Suite B206, Springfield, VA 22150-2310, US
27. Allied Electronics, 7125 Thomas Edison Drive, Suite 101, Columbia, MD 21046-2209, US
28. Allied Electronics, 305 Northern Blvd., Suite 301, Great Neck, NY 11021-4805, US
29. Allied Electronics, 197 State Route 18, Suite 260, East Brunswick, NJ 08816-1405, US
30. Allied Electronics, 1 Executive Drive, Suite 1, Moorestown, NJ 08057-4222, US
31. Allied Electronics, 408 Highland Ave., Bldg. A Office 10, Cheshire, CT 06410-2525, US
32. Allied Electronics, 32 Daniel Webster Highway, Suite 21, Merrimack, NH 03054-4860, US
33. Allied Electronics, 200 Stonewall Blvd., Unit 202B, Wrentham, MA 02093-2209, US
34. Allied Electronics, 5 Cherry Hill Drive, Suite 120, Danvers, MA 01923-2500, US
35. Allied Electronics, 19625 62nd Ave. S., Suite C105, Kent, WA 98032-1109, US
36. Allied Electronics, 6700 SW 105th Ave., Suite 106, Beaverton, OR 97008-8825, US
37. Allied Electronics, 590 Menlo Drive, Suite 8, Rocklin, CA 95765-3705, US
38. Allied Electronics, 6830 Via Del Oro, Suite 100, San Jose, CA 95119-1391, US
39. Allied Electronics, 40 W. Cochran Street, Suite 108, Simi Valley, CA 93065-6244, US

40. Allied Electronics, 7777 Center Ave., Suite 540, Huntington Beach, CA 92647-3063, US
41. Allied Electronics, 15373 Innovation Drive, Suite 380, San Diego, CA 92128-3426, US
42. Allied Electronics, 7151 Jack Newell Blvd., South, Fort Worth, TX 76118-6997, US
43. Allied Electronics, 4711 Queen Street, Suite 202, Harrisburg, PA 17109-3125, US
44. Allied Electronics, 1500 Ardmore Blvd., Suite 205, Pittsburgh, PA 15221-4468, US
45. Allied Electronics, 333 Metro Park, Suite N107, Rochester, NY 14623-2632, US
46. Allied Electronics, 101 Old Cove Road, Suite 108, Liverpool, NY 13090-3740, US
47. Allied Electronics, 488 Freedom Plains, Suite 132, Poughkeepsie, NY 12603-2697, US
48. Allied Electronics, 2150 Joshuas Path, Suite 14, Hauppauge, NY 11788-4771, US
49. Allied Electronics, 2448 S. 102nd Street, West Allis, WI 53227-2141, US
50. Allied Electronics, 3505 Boca Chica Blvd., Suite 260, Brownsville, TX 78521-4063, US
51. Allied Electronics, 1651 N. Collins Road, Suite 230, Richardson, TX 75080-3658, US
52. Allied Electronics, 9810 E. 42nd Street, Suite 130, Tulsa, OK 74146-3617, US
53. Allied Electronics, 10824 Old Mill Road, Suite 5, Omaha, NE 68154-2642, US
54. Allied Electronics, 10985 Cody Street, Suite 115, Overland Park, KS 66210-1224, US
55. Allied Electronics, 1016 Rock Creek Elementary , O Fallon, MO 63366-7576, US
56. Arm Bar Industries, 2139 Highway 35, Suite #2 , Holmdel, NJ 07733-0386, NJ 07733-0386, US
57. Arrow Advantage, 19752 S. Vermont Ave., #310, Torrance, CA 90245, US
58. Arrow Advantage, 7629 Anagram Drive, Eden Prairie, MN 55344-7255, US
59. Arrow Alliance, 9173 Sky Park Court, San Diego, CA 92123, US
60. Arrow Alliance, 6340 International Parkway, Plano, TX 75075, US
61. Arrow Alliance, 25 Hub Drive, Melville, NY 11747, US
62. Arrow Alliance, 200 Research Drive, Wilmington, MA 01887-4416, US
63. Arrow Alliance, 3000 Bowers Avenue, Santa Clara, CA 95051, US
64. Arrow Alliance, 27121 Town Centre Drive, Suite 100, Lake Forest, CA 92610, US
65. Arrow Alliance, 70 Jackson Drive, Cranford, NJ 7016, US
66. Arrow Alliance, 4910 Corporate Drive, Suite A, Huntsville, AL 35805, US
67. Arrow Alliance, 1166 Springlake Drive, Itasca, IL 61043, US
68. Arrow Alliance, 35 Upton Drive, Wilmington, MA 1887, US
69. Arrow Alliance, 5665 Rio Vista Drive, Clearwater, FL 33760, US
70. Arrow Electronics Components, 2901 Wilcrest, Suite 120, Houston, TX 77042, US
71. Arrow Electronics Components, 7459 S. Lima Street, Englewood, CO 80112, US
72. Arrow Electronics Components, 9233 Waterford Centre Blvd., Austin, TX 78758, US
73. Arrow Electronics Components, 7697 Anagram Drive, Eden Prairie, MN 55344-7255, US
74. Arrow Electronics Components, 55 Skyline Drive, Suite 2500, Lake Mary, FL 32746, US
75. Arrow Electronics Components, 1855 Satellite Blvd., Suite 600, Duluth, GA 30097, US
76. Arrow Electronics Components, 200 Perimeter Park Drive, Suite D, Morrisville, NC 27560-9752, US
77. Arrow Electronics Components, 355 Business Center Drive, Horsham, PA 19044, US
78. Arrow Electronics Components, 35 Upton Drive, Wilmington, MA 1887, US
79. Arrow Electronics Components, 3245 Old Frankstown Road, Pittsburgh, PA 15239, US
80. Arrow Electronics Components, 2165 Brighton-Henrietta Townline Road, Rochester, NY 14623, US
81. Arrow Electronics Components, 150 N. Patrick Boulevard, Suite 200, Brookfield, WI 53045, US
82. Arrow Electronics Components, 3000 Bowers Avenue, Santa Clara, CA 95051, US
83. Arrow Electronics Components, 27121 Towne Centre Drive, Suite 100, Foothill Ranch, CA 92610, US
84. Arrow Electronics Components, 10089 Willow Creek Road, Suite 250, San Diego, CA 92131, US
85. Arrow Electronics Components, 6340 International Parkway, Plano, TX 75093, US
86. Arrow Electronics Components, 12111 E. 51st Street Suite 101, Tulsa, OK 74146, US
87. Arrow Electronics Components, 9801 Legler Road, Lenexa, KS 66219, US
88. Arrow Electronics Components, 860 N. Main Street Extension, Wallingford, CT 6492, US
89. Arrow Electronics Components, 2380 Schuetz Road, St. Louis, MO 63146, US
90. Arrow Electronics Components, 1162 Springlake Drive, Itasca, IL 60143, US
91. Arrow Electronics Components, 220 Rabro Drive East, Hauppauge, NY 11788, US
92. Arrow Electronics Components, 100 South Jefferson Road, Whippany, NJ 07981-1027, US
93. Arrow Electronics Components, Bldg B-Suite A 3310 146th Place SE, Bellevue, WA 98007, US
94. Arrow Electronics Components, 9500 SW Nimbus Ave., Bldg. E, Beaverton, OR 97008, US
95. Arrow Electronics Components, 3300 Douglas Blvd., Suite 105, Roseville, CA 95661, US
96. Arrow Electronics Components, 44720 Helm Street, Plymouth, MI 48170, US
97. Arrow Electronics Components, 6982 Hillsdale Court, Indianapolis, IN 46250, US
98. Arrow Electronics Components, 7677 Paragon Road, Suite A, Dayton, OH 45458, US
99. Arrow Electronics Components, 30600 Aurora Road, Suite 180, Bldg. B, Solon, OH 44139, US
100. Arrow Electronics Components, 4930 Corporate Drive, Suite F, Huntsville, AL 35805, US
101. Arrow Electronics Components, 5665 Rio Vista Drive, Clearwater, FL 33760, US
102. Arrow Electronics Components, 13800 NW 14th Street, Suite 160 , Sunrise, FL 33323, US
103. Arrow Electronics Components, Malibu Canyon Business Park 20935 Warner Center Lane, Woodland Hills, CA 91367, US
104. Arrow Electronics Components, 9800J Patuxent Woods Dr., Columbia, MD 21046, US
105. Arrow Electronics Components, 2552 West Erie Drive, Suite 101, Tempe, AZ 85282, US
106. Arrow Electronics Components, 2440 S. 1070 W., Suite A, Salt Lake City, UT 84116, US
107. Arrow Electronics, Inc., 47 Mall Drive, Commack, NY 11725-5717, US
108. Arrow Electronics, Inc., 25 Hub Drive, Melville, NY 11747, US
109. Arrow Electronics, Inc., 220 Rabro Drive, East, Hauppauge, NY 11788, US
110. Arrow Zeus, 7459 South Lima Street, Building 1, Englewood, CO 80112, US
111. Arrow Zeus, 7677 Paragon Road, Suite A, Dayton, OH 45459, US
112. Arrow Zeus, 55 Skyline Drive, Suite 2500, Lake Mary, FL 32746, US
113. Arrow Zeus, 6340 International Parkway, Suite 100, Plano, TX 75093, US
114. Arrow Zeus, 2900 Westchester Ave., Suite 401, Purchase, NY 10577, US
115. Arrow Zeus, 27121 Towne Centre Drive, Suite 100, Foothill Ranch, CA 92610, US

116. Arrow Zeus, 1164 Springlake Drive, Itasca, IL 60143, US
117. Arrow Zeus, 9800 J. Patuxent Woods Drive, Columbia, MD 21046, US
118. Arrow Zeus, 35 Upton Drive, Wilmington, MA 1887, US
119. Avnet, Inc., 12808 W. Airport Blvd., Suite 350, Sugarland, TX 77478, US
120. Avnet, Inc., 12211 Technology Blvd., Austin, TX 78727, US
121. Avnet, Inc., 2855 E. Cottonwood Parkway, Suite 220, Salt Lake City, UT 84121, US
122. Avnet, Inc., 2211 S. 47th Street, Phoenix, AZ 85034, US
123. Avnet, Inc., 7575 Trans Canada Hwy, Suite 600, St. Laurent, Qu H4T 1V6, US
124. Avnet, Inc., 8214 154th Avenue, N.E., Redmond, WA 98052, US
125. Avnet, Inc., 15580 S. W. Jay Street, Beaverton, OR 97006, US
126. Avnet, Inc., 580 Menlo Drive, Suite 2, Rocklin, CA 95677, US
127. Avnet, Inc., 2105 Lundy Ave., Milpitas, CA 95035, US
128. Avnet, Inc., 1526 Bori Street, Urb. Belisa, San Juan, PR 927, US
129. Avnet, Inc., 430 Exchange, Suite 100, Irvine, CA 92602, US
130. Avnet, Inc., 2021 Lakeside Blvd., Richardson, TX 75082, US
131. Avnet, Inc., 12206 E. 51st Street, Suite 103, Tulsa, OK 74146, US
132. Avnet, Inc., 10 Lanidex Plaza West, Parsippany, NJ 7054, US
133. Avnet, Inc., 9200 Indian Creek Parkway, Suite 600, Overland Park, KS 66210, US
134. Avnet, Inc., 20 Sterling Drive, Wallingford, CT 6492, US
135. Avnet, Inc., 13750 Shoreline Drive, Earth City, MO 63045, US
136. Avnet, Inc., 50 Methodist Hill Drive, Suite 700, Rochester, NY 14623, US
137. Avnet, Inc., 390 Rabro Drive East, Hauppauge, NY 11788, US
138. Avnet, Inc., W232 N2960 Roundy Circle West, Suite 200, Pewaukee, WI 53072, US
139. Avnet, Inc., 4975 Bradford Drive, Suite 100, Huntsville, AL 35805, US
140. Avnet, Inc., 380 Park Place, Suite 170, Clearwater, FL 33759, US
141. Avnet, Inc., 3350 NW 53rd Street, Suite 105-107, Ft. Lauderdale, FL 33069, US
142. Avnet, Inc., 2501 Discovery Drive, Suite 150, Orlando, FL 32826, US
143. Avnet, Inc., 10805 Rancho Bernardo Road, Suite 110, San Diego, CA 92127, US
144. Avnet, Inc., 21155 Califa Street, Woodland Hills, CA 91367, US
145. Avnet, Inc., 2211 South 47th Street, Phoenix, AZ 85034, US
146. Avnet, Inc., 7000 Atrium Way, Suite 4, Mt. Laurel, NJ 8054, US
147. Avnet, Inc., 12600 E. Arapahoe Road, Suite C, Englewood, CO 80112, US
148. Avnet, Inc., 3030 Salt Creek Lane, Suite 300, Arlington Heights, IL 60005, US
149. Avnet, Inc., 2740 American Blvd. West, Suite 150, Bloomington, MN 55431, US
150. Avnet, Inc., 3450 Corporate Way, Suite A, Duluth, GA 30096, US
151. Avnet, Inc., 5511 Capital Center Drive, Suite 500, Raleigh, NC 27606, US
152. Avnet, Inc., 7134 Columbia Gateway Drive, Suite 100, Columbia, MD 21046, US
153. Avnet, Inc., 10 Centennial Drive, Peabody, MA 1960, US
154. Avnet, Inc., 2335-A Blairs Ferry Road, Cedar Rapids, IA 52404, US
155. Avnet, Inc., 44191 Plymouth Oaks Blvd., Suite 1300, Plymouth, MI 48170, US
156. Avnet, Inc., 630 W. Carmel Drive, Suite 100, Carmel, IN 46032, US
157. Avnet, Inc., 30775 Bainbridge Road, Suite 200, Solon, OH 44139, US
158. Avnet, Inc., 350 Worthington Road, Suite A, Westerville, OH 43081, US
159. Digi-Key, 701 Brooks Ave., South, Thief River Falls, MN 56701, US
160. Jaco Electronics, Inc., 9035 Wadsworth Parkway, Suite 1240, Westminster, CO 80021, US
161. Jaco Electronics, Inc., 2260 Townsgate Road, Suite 100, Westlake Village, CA 91361, US
162. Jaco Electronics, Inc., 187 Ballardvale Street, Suite B209, Wilmington, MA 1877, US
163. Jaco Electronics, Inc., 4900 S.W. Griffith Dr., Suite 250, Beaverton, OR 97005, US
164. Jaco Electronics, Inc., 2362-C Qume Drive, San Jose, CA 95131, US
165. Jaco Electronics, Inc., 15265 Alton Parkway, Suite 400, Irvine, CA 92618, US
166. Jaco Electronics, Inc., 508 Twilight Trail, Suite 201, Richardson, TX 75080, US
167. Jaco Electronics, Inc., 1247 Highland Ave., Suite 201, Cheshire, CT 6410, US
168. Jaco Electronics, Inc., 600 Tollgate Road, Suite C, Elgin, IL 60123, US
169. Jaco Electronics, Inc., 2401 Pilot Knob Road, Suite 120, Mendota Heights, MN 55120, US
170. Jaco Electronics, Inc., 2250 Satellite Blvd., Suite 100, Duluth, GA 30097, US
171. Jaco Electronics, Inc., 10260 Old Columbia Rd., Suite I, Columbia, MD 21046, US
172. Jaco Electronics, Inc., 124 Grove Street, Suite 300, Franklin, MA 2038, US
173. Jaco Electronics, Inc., 145 Oser Avenue, Hauppauge, L.I., NY 11788, US
174. Jaco Electronics, Inc., 409 5th Place , Sultan, WA 98294, US
175. Jaco Electronics, Inc., 521 South 48th Street, #104, Tempe, AZ 85281, US
176. Jaco Electronics, Inc., 1191 E. Newport Center Dr., Suite 204, Deerfield Beach, FL 33442, US
177. Jaco Electronics, Inc., 4930 A Corporate Drive, Huntsville, AL 35805, US
178. Jaco Electronics, Inc., 12729 Racetrack Road, Tampa, FL 33626, US
179. Jaco Electronics, Inc., 9449 Balboa Ave., Suite 103, San Diego, CA 92123, US
180. Jaco de Mexico, 13706 N. Highway 183, Suite 216, Austin, TX 78750, US
181. KEMET Direct, 2835 KEMET Way, Greenville, SC 29681, US
182. Mouser Electronics, a TTI Company, 382 Rt 46, Suite 1 and 2, Budd Lake, NJ 7828, US
183. Mouser Electronics, a TTI Company, 1000 N. Main Street, Mansfield, TX 76063-1511, US
184. Mouser Electronics, a TTI Company, 1810 Gillespie Way, Suite 101, El Cajon, CA 92020, US
185. Newark InOne, 719 Sawdust Road, Suite 207, Spring, TX 77380-2910, US
186. Newark InOne, 3737 Executive Center Drive, Suite 105, Austin, TX 78731-1632, US
187. Newark InOne, 4725 Paris Street, Suite 100, Denver, CO 80239-2803, US
188. Newark InOne, 1600 W. Broadway Road, Suite 290, Tempe, AZ 85282-1136, US
189. Newark InOne, 9444 Waples Street, Suite 480, San Diego, CA 92121-2939, US
190. Newark InOne, 5601 Mariner Street, Suite 104, Tampa, FL 33609-3416, US
191. Newark InOne, 9041 Executive Park Drive, Suite 702, Knoxville, TN 37923-4622, US

192. Newark InOne, 4250 Veterans Memorial Hwy. Suite 301, Holbrook, NY 11741, US
193. Newark InOne, 197 Highway 18 South, Suite 205, East Brunswick, NJ 08816-1440, US
194. Newark InOne, 34 Jerome Ave., Suite 200, Bloomfield, CT 06002-2463, US
195. Newark InOne, 59 Composite Way, Suite 200, Boston, MA 01851-5150, US
196. Newark InOne, 65 Boston Post Road West, Marlborough, MA 01752-1854, US
197. Newark InOne, 6443 SW Beaverton Hillsdale Hwy., Suite 330, Portland, OR 97221, US
198. Newark InOne, 2020 Hurley Way, Suite 310, Sacramento, CA 95825-3214, US
199. Newark InOne, 3600 West Bayshore Road, Suite 104, Palo Alto, CA 94303-4229, US
200. Newark InOne, 12880 Hillcrest Road, Suite 115, Dallas, TX 75230-1501, US
201. Newark InOne, 11128 John Galt Blvd., Suite 225, Omaha, NE 68137-2321, US
202. Newark InOne, 6811 W. 63rd Street, Suite 305, Overland Park, KS 66202-4080, US
203. Newark InOne, 2458 Old Dorsett Road Suite 205, Maryland Heights, MO 63043, US
204. Newark InOne, 4801 North Ravenswood Avenue, Chicago, IL 60640, US
205. Newark InOne, 1919 S. Highland Ave. A320, Lombard, IL 60148-6119, US
206. Newark InOne, 100 High Tower Blvd., 1st Floor, Pittsburgh, PA 15205-1134, US
207. Newark InOne, 7449 Morgan Road, 1st Floor, Liverpool, NY 13090-3901, US
208. Newark InOne, 2601 Crossroads Drive, Suite 100, Madison, WI 53718-7923, US
209. Newark InOne, 1020 Innovation Drive, Suite 550, Milwaukee, WI 53226-1403, US
210. Newark InOne, 5750 New King Street, Suite 360, Troy, MI 48098, US
211. Newark InOne, 11555 N. Meridian Street, Suite 520, Carmel, IN 46032, US
212. Newark InOne, 1400 Commerce Center Drive, Suite E, Franklin, OH 45005, US
213. Newark InOne, 6400 Rockside Road, Independence, OH 44103-3780, US
214. Newark InOne, 2021 E. Hennepin Ave., Suite 530, Minneapolis, MN 55413-2722, US
215. Newark InOne, 1080 Woodcock Road, Suite 111, Orlando, FL 32803-3514, US
216. Newark InOne, 22 Technology Park, Suite 250, Norcross, GA 30092-3503, US
217. Newark InOne, 1701 Pinecroft Road, Suite 101, Greensboro, NC 27407-3855, US
218. Newark InOne, 1504 Santa Rosa Road, Suite 115, Richmond, VA 23229-1504, US
219. Newark InOne, 7272 Park Circle Drive, Suite 260, Hanover, MD 21076-1371, US
220. Newark InOne, 501 Office Center Drive, Suite 410, Fort Washington, PA 19034-3211, US
221. Newark InOne, 150 West Park Loop, Suite 110, Huntsville, AL 35806-1744, US
222. Newark InOne, 3230 West Commercial Blvd., Suite 300, Ft. Lauderdale, FL 33309-3400, US
223. Newark InOne, 550 St. Charles Drive, Suite 200, Thousand Oaks, CA 91360-5828, US
224. Newark InOne, 12631-F E. Imperial Highway, Bldg. F136, Santa Fe Springs, CA 90670-4710, US
225. Newark InOne, 7500 Viscount Ave., Suite 292, El Paso, TX 79925-5694, US
226. PUI (Projections Unlimited, Inc.), 7412 Doswell Lane, Austin, TX 78739, US
227. PUI (Projections Unlimited, Inc.), 1605 A South Main Street, Milpitas, CA 95035, US
228. PUI (Projections Unlimited, Inc.), 845 Woburn Street, Wilmington, MA 1887, US
229. PUI (Projections Unlimited, Inc.), 14831 Myford Road, Tustin, CA 92780, US
230. PUI (Projections Unlimited, Inc.), 14831 Myford Road, Tustin, CA 92780, US
231. Spirit Electronics, Inc., 23910 North 19th Avenue, Suite 26, Phoenix, AZ 85085, US
232. SpotComponents, LLC, 1463 Diamond Ridge Circle, Castle Rock, CO 80108, US
233. Surface Mount Distribution, Inc., 638 South Military Train, Deerfield Beach, FL 33442, US
234. Surface Mount Distribution, Inc., 16994 Alpenhorn Court, Punta Gorda, FL 33955, US
235. Surface Mount Distribution, Inc., 1 Oldfield, Irvine, CA 92618, US
236. Surface Mount Distribution, Inc., 1471 Big Basin Drive, Milpitas, CA 95035, US
237. Surface Mount Distribution, Inc., 110 Daniel Webster Highway, Nashua, NH 3060, US
238. Surface Mount Distribution, Inc., 509 Bryn Mawr Avenue, Bala Cynwyd, PA 19004, US
239. TTI Integrated Logistic Services, 5050 Mark IV Parkway, Fort Worth, TX 76106, US
240. TTI, Inc., 10625 Richmond Avenue, Suite 100, Houston, TX 77042, US
241. TTI, Inc., 5910 Courtyard Drive, Suite 235, Austin, TX 78731, US
242. TTI, Inc., 8501 Turnpike Drive, Westpark Office Center, Suite 100, Westminster, CO 80031-2929, US
243. TTI, Inc., 150 W. Park Loop, Suite 201, Huntsville, AL 35806, US
244. TTI, Inc., 10564 Success Lane, Dayton, OH 45458, US
245. TTI, Inc., Three Highwood Drive, Tewksbury, MA 1876, US
246. TTI, Inc., 13220 Evening Creek Dr., South, Suite 101, San Diego, CA 92128, US
247. TTI, Inc., 4425 West Airport Freeway, Suite 200, Irving, TX 76118, US
248. TTI, Inc., 2441 Northeast Parkway, Fort Worth, TX 76106-1896, US
249. TTI, Inc., 9300 W. 110th St., Suite 645, Kansas City, KS 66210, US
250. TTI, Inc., 8 Fairfield Blvd., Wallingford, CT 6492, US
251. TTI, Inc., 1435 Plum Grove Road, Suite D, Schaumburg, IL 60173, US
252. TTI, Inc., 10925 Valley View Rd., Suite 100, Eden Prairie, MN 55344, US
253. TTI, Inc., 5810 Hoffner Ave., Suite 801, Orlando, FL 32822, US
254. TTI, Inc., 4805 Green Road, Suite 120, Raleigh, NC 27616, US
255. TTI, Inc., 6304 Woodside Court, Suite 115, Columbia, MD 21046, US
256. TTI, Inc., 921 S. 2nd Street, Ronkonkoma, NY 11779, US
257. TTI, Inc., 11121 Willows Road, N.E., Suite 130, Redmond, WA 98052, US
258. TTI, Inc., 7185 S.W. Sandburg Road, Suite 202, Tigard, OR 97223, US
259. TTI, Inc., Suite A 6611 Folsom-Auburn Road, Folsom, CA 95630, US
260. TTI, Inc., 48371 Fremont Blvd., Suite 107, Fremont, CA 94538, US
261. TTI, Inc., 14511 Myford Road, Suite 210, Tustin, CA 92780, US
262. TTI, Inc., 2445 S. 179th Street, Unit B, New Berlin, WI 53146, US
263. TTI, Inc., 5410 Transportation Blvd., Bldg. 2, Ste. 1, Garfield Heights, OH 44125, US
264. TTI, Inc., 1 Executive Drive, Suite 9, Moorestown, NJ 8057, US
265. TTI, Inc., 9121 Oakdale Ave., Suite 200, Chatsworth, CA 91311, US
266. TTI, Inc., 4625 S. Wendler Drive, Suite 108, Tempe, AZ 85282, US
267. Tonar Industries, 419 Franklin Avenue, Rockaway, NJ 7866, US

268. Tri Star (Sierra-KD Product only), 3610 Willowbend Street, Suite 1020, Houston, TX 77054-1113, US