

**DLA Land and Maritime - VQ  
Supplemental Information Sheet for Electronic QPL-55182**

Date: 1/11/2011

**Specification Details:**

Specification: MIL-PRF-55182  
 Title: Resistors, Fixed, Film, Chip  
 Federal Supply Class (FSC): 5905  
 Conventional: No  
 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: Yes

**Contact Information:**

Office of Primary Involvement: Passive Devices Branch, DLA Land and Maritime - VQP  
 Primary Qualifying Activity Contact: 614-692-0597, e-mail: vqp.jz@dla.mil  
 Secondary Qualifying Activity Contact: 614-692-0665, e-mail: vqp.go@dla.mil

**Notes:**

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 DLA Land and Maritime-VQ, Columbus, OH 43218-3990.

An asterisk (\*) adjacent to the product listing indicates that qualified parts listed on 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. This list is 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 list has 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 the 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 a list is not, under any circumstance, to be considered an indorsement of such firm or its products by the Department of Defense.

Per Amendment 2 of MIL-R-55182/1 and MIL-R-55182/7 a requirement was added for a one-digit code to be marked on the resistor to identify each manufacturer. The codes for the manufacturers are as follows:

Vishay Angstrom: A  
 Vishay Dale: D  
 IRC (Boone): R

**Part Configuration:**

Style and Termination Type	Characteristic	Resistance	Resistance Tolerance	Product Level Designator
RN*55 1/	C	49R9	F	M

**PART LISTINGS**

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
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**Part 1**

<b>RNC50*</b> Chars. H, J; res. values 10 ohms thru 796 kilohms; tols. B, D, F; life failure rates C, M, P, R, S	ERC-50, ERC-50-31	55182-1107-79; 55182-304-87	/7	Vishay Dale (Columbus, NE)
<b>RNC50*</b> Chars. K; res. values 10 ohms thru 796 kilohms; tols. D, F; life failure rates C, M, P, R, S	ERC-50, ERC-50-31	55182-1107-79; 55182-304-87	/7	Vishay Dale (Columbus, NE)
<b>RNC51*</b> Chars. H, J; res. values 10 ohms thru 200 kilohms; tols. B, D, F; life failure rates C, M, P, R, S	ERC-50-12	55182-84-72	/11	Vishay Dale (Columbus, NE)
<b>RNC51*</b> Chars. K; res. values 10 ohms thru 200 kilohms; tols. D, F; life failure rates C, M, P, R, S	ERC-50-12	55182-84-72	/11	Vishay Dale (Columbus, NE)
<b>RNC55*</b> Chars. H, J; res. values 10 ohms thru 2 megohms; tols. B, D, F; life failure rates C, M, P, R, S	ERC-55, ERC-55-65	55182-304-87; 55182-438-81	/1	Vishay Dale (Columbus, NE)

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<b>Part 1</b>				
<b>RNC55*</b> Chars. K; res. values 10 ohms thru 2 megohms; tols. D, F; life failure rates C, M, P, R, S	ERC-55, ERC-55-65	55182-304-87; 55182-438-81	/1	Vishay Dale (Columbus, NE)
<b>RNC56*</b> Chars. H, J; res. values 10 ohms thru 1.21 megohms; tols. B, D, F; life failure rates C, M, P, R, S	ERC-55-91	55182-590-82	/12	Vishay Dale (Columbus, NE)
<b>RNC56*</b> Chars. K; res. values 10 ohms thru 1.21 megohms; tols. D, F; life failure rates C, M, P, R, S	ERC-55-91	55182-590-82	/12	Vishay Dale (Columbus, NE)
<b>RNC60*</b> Chars. H, J, K; res. values 10 ohms thru 2 megohms; tols. B, D, F; life failure rates C, M, P, R, S	ERC-55-200, ERC-55-201	55182-542-88; 55182-94-88	/3	Vishay Dale (Columbus, NE)
<b>RNC60*</b> Chars. H, J, K; res. values 2 megohms thru 3.01 megohms; tols. D, F; life failure rates C, M	ERC-55-200, ERC-55-201	55182-542-88; 55182-94-88	/3	Vishay Dale (Columbus, NE)
<b>RNC65*</b> Chars. H, J; res. values 10 ohms thru 3.01 megohms; tols. B, D, F; life failure rates C, M, P, R	ERC-65, ERC-65-65	55182-185-77; 55182-304-65	/5	Vishay Dale (Columbus, NE)
<b>RNC65*</b> Chars. K; res. values 10 ohms thru 3.01 megohms; tols. D, F; life failure rates C, M, P, R	ERC-65, ERC-65-65	55182-185-77; 55182-304-87	/5	Vishay Dale (Columbus, NE)
<b>RNC70*</b> Chars. H, J; res. values 10 ohms thru 3.01 megohms; tols. B, D, F; life failure rates C, M, P, R	ERC-70, ERC-70-4	55182-304-87; 55182-506-86	/6	Vishay Dale (Columbus, NE)
<b>RNC70*</b> Chars. K; res. values 10 ohms thru 3.01 megohms; tols. D, F; life failure rates C, M, P, R	ERC-70, ERC-70-4	55182-304-87; 55182-506-86	/6	Vishay Dale (Columbus, NE)
<b>RNC90*</b> Chars. T, Y; res. values 4.99 ohms thru 16 ohms; tols. B, D, F; life failure rates M, P, R	S555, S555L	55182-001-99; 55182-066-96; 55182-152-97; 55182-317-02	/9	Vishay Advanced Technologies, Inc.
<b>RNC90*</b> Chars. T, Y; res. values 30.1 ohms thru 121 kilohms; tols. A, B, D, F, T, V; life failure rates M, P, R	S555, S555L	55182-002-99; 55182-066-96; 55182-152-97; 55182-317-02	/9	Vishay Advanced Technologies, Inc.
<b>RNC90*</b> Chars. T, Y; res. values 16.2 ohms thru 30 ohms; tols. A, B, D, F; life failure rates M, P, R	S555, S555L	55182-001-99; 55182-119-99; 55182-145-94; 55182-317-02	/9	Vishay Advanced Technologies, Inc.
<b>RNC90*</b> Chars. S, Z; res. values 30.1 ohms thru 121 kilohms; tols. A, B, D, F, T, V; life failure rates M, P, R	Z555, Z555L	55182-052-01; 55182-2208-08; 55182-2209-08; 55182-316-02; 55182-670-03	/9	Vishay Advanced Technologies, Inc.
<b>RNC90</b> Chars. T, Y; res. values 4.99 ohms thru 121 kilohms; tols. A, B, D, F, T, V; life failure rates M, P, R	WQ, WT	55182-154-98; 55182-155-98; 55182-157-02; 55182-254-02; 55182-484-03; 55182-859-04; 55182-860-04	/9	Wilbrecht LEDCO, Inc.
<b>RNC90</b> Chars. S, Z; res. values 30.1 ohms thru 121 kilohms; tols. A, B, D, F, T, V; life failure rates M, P, R	WZ	55182-1312-05	/9	Wilbrecht LEDCO, Inc.

## PART LISTINGS

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>Part 1</b>				
<b>RNN55*</b> Chars. C, E; res. values 10 ohms thru 1.21 megohms; tols. B, D, F; life failure rates C, M, P, R, S	HDN-55, HDN-55-65	55182-052-96; 55182-118-95; 55182-121-96; 55182-134-95; 55182-158-96; 55182-222-94; 55182-237-93	/1	Vishay Angstrohm
<b>RNN57*</b> Chars. C, E; res. values 49.9 ohms thru 200 kilohms; tols. F; life failure rates C, M, P, R, S	HDN-57, HDN-57-1	55182-026-97; 55182-117-95; 55182-121-96	/2	Vishay Angstrohm
<b>RNN60*</b> Chars. C, E; res. values 10 ohms thru 2.49 megohms; tols. B, D, F; life failure rates C, M, P, R, S	HDN-60, HDN-60-1	55182-105-96; 55182-121-96; 55182-125-96; 55182-223-94	/3	Vishay Angstrohm
<b>RNN65*</b> Chars. C, E; res. values 24.9 ohms thru 4.99 megohms; tols. B, D, F; life failure rates C, M, P	HDN-65, HDN-65-65	55182-050-99; 55182-071-97; 55182-124-96; 55182-162-99	/5	Vishay Angstrohm
<b>RNN70*</b> Chars. C, E; res. values 24.9 ohms thru 4.99 megohms; tols. B, D, F; life failure rates C, M, P	HDN-70, HDN-70-4	55182-050-99; 55182-071-97; 55182-124-96	/6	Vishay Angstrohm
<b>RNN75*</b> Chars. E, J; res. values 49.9 ohms thru 1.21 megohms; tols. B, D, F; life failure rates C, M	HDN-75, HDN-75-1	55182-033-98; 55182-050-99	/10	Vishay Angstrohm
<b>RNR50*</b> Chars. H, J; res. values 10 ohms thru 796 kilohms; tols. B, D, F; life failure rates M, P, R, S	ERC-50, ERC-50-31	55182-1107-79; 55182-304-87	/7	Vishay Dale (Columbus, NE)
<b>RNR50*</b> Chars. K; res. values 10 ohms thru 796 kilohms; tols. D, F; life failure rates M, P, R, S	ERC-50, ERC-50-31	55182-1107-79; 55182-304-87	/7	Vishay Dale (Columbus, NE)
<b>RNR51*</b> Chars. H, J; res. values 10 ohms thru 200 kilohms; tols. B, D, F; life failure rates C, M, P, R, S	ERC-50-12	55182-84-72	/11	Vishay Dale (Columbus, NE)
<b>RNR51*</b> Chars. K; res. values 10 ohms thru 200 kilohms; tols. D, F; life failure rates C, M, P, R, S	ERC-50-12	55182-84-72	/11	Vishay Dale (Columbus, NE)
<b>RNR55*</b> Chars. C, E; res. values 10 ohms thru 1.21 megohms; tols. B, D, F; life failure rates C, M, P, R, S	HDN-55, HDN-55-65	55182-052-96; 55182-118-95; 55182-121-96; 55182-134-95; 55182-158-96; 55182-222-94; 55182-237-93	/1	Vishay Angstrohm
<b>RNR55*</b> Chars. H, J; res. values 10 ohms thru 2 megohms; tols. B, D, F; life failure rates M, P, R, S	ERC-55, ERC-55-65	55182-304-87; 55182-438-81	/1	Vishay Dale (Columbus, NE)
<b>RNR55*</b> Chars. K; res. values 10 ohms thru 2 megohms; tols. D, F; life failure rates M, P, R, S	ERC-55, ERC-55-65	55182-304-87; 55182-438-81	/1	Vishay Dale (Columbus, NE)
<b>RNR56*</b> Chars. H, J; res. values 10 ohms thru 1.21 megohms; tols. B, D, F; life failure rates M, P, R, S	ERC-55-91	55182-590-82	/12	Vishay Dale (Columbus, NE)
<b>RNR56*</b> Chars. H, J; res. values 10 ohms thru 1.21 megohms; tols. D, F; life failure rates M, P, R, S	ERC-55-91	55182-590-82	/12	Vishay Dale (Columbus, NE)

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<b>RNR57*</b> Chars. C, E; res. values 49.9 ohms thru 200 kilohms; tols. F; life failure rates C, M, P, R, S	HDN-57, HDN-57-1	55182-026-97; 55182-117-95; 55182-121-96	/2	Vishay Angstrohm
<b>RNR60*</b> Chars. C, E; res. values 10 ohms thru 2.49 megohms; tols. B, D, F; life failure rates C, M, P, R, S	HDN-60, HDN-60-1	55182-105-96; 55182-121-96; 55182-125-96; 55182-223-94	/3	Vishay Angstrohm
<b>RNR60*</b> Chars. H, J, K; res. values 2 megohms thru 3.01 megohms; tols. D, F; life failure rates C, M	ERC-55-200, ERC-55-201	55182-542-88; 55182-94-88	/3	Vishay Dale (Columbus, NE)
<b>RNR60*</b> Chars. H, J, K; res. values 10 ohms thru 2 megohms; tols. B, D, F; life failure rates C, M, P, R, S	ERC-55-200, ERC-55-201	55182-542-88; 55182-94-88	/3	Vishay Dale (Columbus, NE)
<b>RNR65*</b> Chars. C, E; res. values 24.9 ohms thru 4.99 megohms; tols. B, D, F; life failure rates C, M, P	HDN-65, HDN-65-65	55182-050-99; 55182-071-97; 55182-124-96; 55182-162-99	/5	Vishay Angstrohm
<b>RNR65*</b> Chars. H, J; res. values 10 ohms thru 301 kilohms; tols. B, D, F; life failure rates M, P, R	ERC-65, ERC-65-65	55182-185-77; 55182-304-87	/5	Vishay Dale (Columbus, NE)
<b>RNR65*</b> Chars. K; res. values 10 ohms thru 301 kilohms; tols. D, F; life failure rates M, P, R	ERC-65, ERC-65-65	55182-185-77; 55182-304-87	/5	Vishay Dale (Columbus, NE)
<b>RNR70*</b> Chars. C, E; res. values 24.9 ohms thru 4.99 megohms; tols. B, D, F; life failure rates C, M, P	HDN-70, HDN-70-4	55182-050-99; 55182-071-97; 55182-124-96	/6	Vishay Angstrohm
<b>RNR70*</b> Chars. K; res. values 10 ohms thru 3.01 megohms; tols. D, F; life failure rates M, P, R	ERC-70, ERC-70-4	55182-304-87; 55182-506-86	/6	Vishay Dale (Columbus, NE)
<b>RNR70*</b> Chars. K; res. values 10 ohms thru 3.01 megohms; tols. D, F; life failure rates M, P, R	ERC-70, ERC-70-4	55182-304-87; 55182-506-86	/6	Vishay Dale (Columbus, NE)
<b>RNR75*</b> Chars. E, J; res. values 49.9 ohms thru 1.21 megohms; tols. B, D, F; life failure rates C, M	HDN-75, HDN-75-1	55182-033-98; 55182-050-99	/10	Vishay Angstrohm

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Vishay Angstrom (CAGE Code: 17745)**

Location: P.O. Box 609, 1122 23rd Street, Columbus, NE 68602-0609, US

**Plants:**

1. Plant: Same Address as Manufacturer

**Authorized Distributors:****Category A**

1. Acacia/Deanco Electronics, 1288 Hammerwood Avenue, Sunnyvale, CA 94086, US
2. Acacia/Deanco Electronics, 16592 Milliken Avenue, Irvine, CA 92714, US
3. Bell Industries, Electronic Distributor Division, 515 Busse Road, Elk Grove Village, IL 60007, US
4. Command Electronics Corp., 42 Central Drive, Farmingdale, NY 11725, US
5. Dee Electronics, 2500 16th Avenue, SW, Cedar Rapids, IA 52406, US
6. Fairmont Electronic Sales Corp., 295 Oser Avenue, Hauppauge, NY 11787, US
7. Hamilton/Avnet, 620 North Industry Drive, Oxford, NC 27565, US
8. Kent Electronics, Inc., 1520 Montague Expressway, San Jose, CA 95131, US
9. Kent Electronics, Inc., 2515 Wabash Avenue, St Paul, MN 55114, US
10. Kent Electronics, Inc., 4040 Sorrento Valley Road, San Diego, CA 92121, US
11. Kent Electronics, Inc., 9760 Owensmouth Avenue, Chatsworth, CA 91311, US
12. L & S Electronics, Inc., 139 North Central Avenue, Valley Stream, L.I., NY 11580, US
13. Mayer Electronics Company, 34 Linnell Circle, Billerica, MA 01821, US
14. Pioneer Standard Electronics, 4800 E. 131 Street, Cleveland, OH 44105, US
15. Pioneer Standard Electronics, P.O. Box 291, Dayton, OH 45404, US
16. Resco/Baltimore, 4961 Mercantile Road, Baltimore, MD 21236, US
17. Stotts-Friedman Company, Inc., 2600 East-River Road, Dayton, OH 45439, US
18. Summit Distributors, 916 Main Street, Buffalo, NY 14202, US
19. T. T. I., Inc, 10200 Sepulveda Boulevard, Millsion Hills, CA 91345, US
20. T. T. I., Inc, 1570 Brookhollow, Suite 103, Santa Ana, CA 92705, US
21. T. T. I., Inc, 4033 East Belknap, Fort Worth, TX 76111, US
22. T. T. I., Inc, 670-A Lakeview Plaza Boulevard, Columbus, OH 43085, US
23. Vishay Dale, P.O. Box 609, Columbus, NE 68601, US
24. Waco Electronics, 4900 Monaco Parkway, Commerce City, CO 80022, US

**Manufacturer: Vishay Dale Electronics, Inc. (CAGE Code: 91637)**

Location: P.O. Box 609, 1122 23rd Street, Columbus, NE 68602-0609, US

**Plants:**

1. Plant: Same Address as Manufacturer
2. Vishay Dale (Norfolk, NE), 2300 Riverside Blvd., Norfolk, NE US

**Authorized Distributors:****Category A**

1. Arrow Electronics/PEMCO Group, 2900 Westchester Avenue, Suite 401, Purchase, NY 10577-2508, US
2. Avnet EMG, 60 S. McKemy, Chandler, AZ 85226, US
3. Bell Industries, Micro-Mil Division, 446 Windsor Park Drive, Dayton, OH 45459, US
4. Future Electronics, 237 Hymus Boulevard, Pointe Claire,, Quebec, Canada H9R 5C7, Canada
5. Jaco Electronics, 145 Oser Avenue, Hauppauge, NY 11788, US
6. Kent Electronics, Inc., 7433 Harwin Drive, Houston, TX 77036-2015, US
7. New Yorker Electronics, 420 Center Avenue, Mamaroneck, NY 10543, US
8. Pioneer Standard Electronics, 4800 E. 131 Street, Cleveland, OH 45105, US
9. Tri-Start Electronics, Inc., 134 Remington Boulevard, Ronkonkoma, NY 11779, US

**Category B - Hot Soder Dip Only 39007, 39009, 39017, 55182**

1. Loras Industries, Inc., 2640 Freewood Drive, Dallas, TX 75220, US

**Category B - MIL-R-55182 only**

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

**Manufacturer: Vishay Precision Group, Inc. (CAGE Code: 658E7)**

Location: 3 Great Valley Parkway, Suite 150, Malvern, PA 19355-1417, US

**Plants:**

1. Vishay Advanced Technologies, Inc., 2 Haofan Street, Holon 58814, Israel

**Authorized Distributors:****Category A**

1. Bell Industries, 15200 Marquardt Avenue, Santa Fe Springs, CA 90670, US

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Vishay Precision Group, Inc. (CAGE Code: 658E7)**

Location: 3 Great Valley Parkway, Suite 150, Malvern, PA 19355-1417, US

Authorized Distributors:

Category A

2. Kent Electronics, Inc., 7433 Harwin Drive, Houston, TX 77036-2015, US
3. T. T. I., Inc., 2441 Northeast Parkway, Fort Worth, TX 76101-1896, US
4. Texas Components Corp, 1716 W. Sam Houston Parkway N., Houston, TX 77043, US
5. Vishay Resistors, 63 Lincoln Highway, Malver, PA 19355-2120, US

Category A

NON-STOCKING: DOES NOT STOCK PARTS IN QUANTITY

1. Bell Industries, 100 Burt Road, #106, Andover, MA 01810, US
2. Bell Industries, 10611 N. Hayden Road, Suite D=103, Scottsdale, AZ 85260, US
3. Bell Industries, 1064 E. Main Street, Meridan, CT 06450, US
4. Bell Industries, 1161 North Fair Oaks Avenue, Sunnyvale, CA 94086, US
5. Bell Industries, 11728 Linn, N.E., Albuquerque, NM 87123, US
6. Bell Industries, 11812 San Vicente Blvd., Suite 300, Los Angeles, CA 90049, US
7. Bell Industries, 158 Gaither Drive, Suite 110, Mt. Laurel, NJ 08054, US
8. Bell Industries, 1701 Greeneville, Suite 306, Richardson, TX 75081, US
9. Bell Industries, 1715 114th Avenue, S.E., Suite 208, Bellevue, WA 98004, US
10. Bell Industries, 220 Technology Drive, Suite 100, Irvine, CA 92718, US
11. Bell Industries, 271 Route 46 W., Suites F202-203, Fairfield, NJ 07004, US
12. Bell Industries, 3000-D Business Park Drive, Norcross, GA 30071, US
13. Bell Industries, 3001 Douglas Boulevard, Suite 205, Roseville, CA 95661, US
14. Bell Industries, 30101 Aquora Court, Suite 118, Aquora Hills, CA 91301, US
15. Bell Industries, 31200 Solon Road, Suite 12, Solon, OH 44139, US
16. Bell Industries, 525 Airport North Office Park, Fort Wayne, IN 46825, US
17. Bell Industries, 5520 Ruffin Road, #103, San Diego, CA 92123-1320, US
18. Bell Industries, 555 Sparkman Drive, Suite 600D, Huntsville, AL 35816, US
19. Bell Industries, 650 South North Lake Blvd. Suite 400, Altamonte Springs, FL 32701, US
20. Bell Industries, 6912 S. 185 West, Suite B, Midvale, UT 84047, US
21. Bell Industries, 870 Cambridge, Elk Grove Village, IL 60007-2437, US
22. Bell Industries, 8945 Guilford Road, #130, Columbia, MD 21046-1409, US
23. Bell Industries, 9275 S.W. Nimbus Avenue, Beaverton, OR 97005-7132, US
24. Bell Industries, 9351 Grant Street, Suite 460, Thornton, CO 80229, US
25. Bell Industries, Micro-Mil Division, 444 Windsor Park Drive, Dayton, OH 45459, US
26. Bell Industries, P. O. Box 6885, Indianapolis, IN 46268-0885, US
27. Hamilton Hallmark, 1 Keystone Avenue, Bldg 36, Cherry Hill, NJ 08003, US
28. Hamilton Hallmark, 10 Lanidex Plaza West, Parsippany, NJ 07054-2715, US
29. Hamilton Hallmark, 10491 72nd Street, N., Largo, FL 34647, US
30. Hamilton Hallmark, 1057 Henrietta Road, Rochester, NY 14623, US
31. Hamilton Hallmark, 10809 Lakeview Drive, Lenexa, KS 66215, US
32. Hamilton Hallmark, 10-D Centennial Drive, Peabody, MA 01960, US
33. Hamilton Hallmark, 1100 E. 6600 S., Suite 120, Salt Lake City, UT 84121, US
34. Hamilton Hallmark, 1130 Thorndale Avenue, Bensenville, IL 60106, US
35. Hamilton Hallmark, 11420 Pagemill Drive, Dallas, TX 75243, US
36. Hamilton Hallmark, 11-A Founders Boulevard, El Paso, TX 79906, US
37. Hamilton Hallmark, 12211 Technology Boulevard, Austin, TX 78759, US
38. Hamilton Hallmark, 125 Commerce Court, Unit 6, Cheshire, CT 06410, US
39. Hamilton Hallmark, 12503 E. Euclid Drive, Suite 20, Englewood, CO 80111, US
40. Hamilton Hallmark, 12606 E. 51st Street, Tulsa, OK 74147, US
41. Hamilton Hallmark, 1406 N. 28th Street, Suite 105, Harlingen, TX 78550, US
42. Hamilton Hallmark, 1626 S Edward Drive, Tempe, AZ 85281, US
43. Hamilton Hallmark, 1847-G Mercer Road, Lexington, KY 40511, US
44. Hamilton Hallmark, 2105 Lundy Avenue, San Jose, CA 95131, US
45. Hamilton Hallmark, 21150 Califa Street, Woodland Hills, CA 91367, US
46. Hamilton Hallmark, 2440 S. 179th Street, New Berlin, WI 53146, US
47. Hamilton Hallmark, 3170 Pullman Street, Costa Mesa, CA 92626, US
48. Hamilton Hallmark, 3350 N.W. 53rd Street, Suites 105-107, Ft. Lauderdale, FL 33309, US
49. Hamilton Hallmark, 3425 Corporate Way, Suites A & G, Duluth, GA 30136, US

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Vishay Precision Group, Inc. (CAGE Code: 658E7)**

Location: 3 Great Valley Parkway, Suite 150, Malvern, PA 19355-1417, US

Authorized Distributors:

Category A

NON-STOCKING: DOES NOT STOCK PARTS IN QUANTITY

50. Hamilton Hallmark, 3783 Rider Trail, S., Earth City, MO 63045, US
51. Hamilton Hallmark, 390 Rabro Drive, Hauppauge, NY 11788, US
52. Hamilton Hallmark, 44191 Plymouth Oaks Blvd., Plymouth, MI 48170, US
53. Hamilton Hallmark, 4545 Viewridge Avenue, San Diego, CA 92123, US
54. Hamilton Hallmark, 4637 South 36th Place, Phoenix, AZ 85040, US
55. Hamilton Hallmark, 4805 Green's Dairy Road, Suite 120, Raleigh, NC 27604, US
56. Hamilton Hallmark, 4890 University Drive, Suite 1, Huntsville, AL 35805-6229, US
57. Hamilton Hallmark, 580 Menlo Drive, Suite 2, Rocklin, CA 95677, US
58. Hamilton Hallmark, 5821 Harper Road, Solon, OH 44139, US
59. Hamilton Hallmark, 655 W. Carmel Drive, Suite 160, Carmel, IL 46032, US
60. Hamilton Hallmark, 7079 University Boulevard, Winter Park, FL 32792, US
61. Hamilton Hallmark, 710 Wooten Road, Suite 28, Colorado Springs, CO 80915, US
62. Hamilton Hallmark, 7134 Columbia Gateway Circle, Columbia, MD 21046-2101, US
63. Hamilton Hallmark, 7400 N. Oracle Street, Tucson, AZ 85704, US
64. Hamilton Hallmark, 7760 Washington Village Drive, Dayton, OH 45459, US
65. Hamilton Hallmark, 777-L Dearborn Park Lane, Worthington, OH 43085, US
66. Hamilton Hallmark, 7801 Academy Road, Bldg. 1, Suite 102, Albuquerque, NM 87109, US
67. Hamilton Hallmark, 8000 Westglen, Houston, TX 77063, US
68. Hamilton Hallmark, 8214 154th Avenue, N.E., Redmond, WA 98052-3556, US
69. Hamilton Hallmark, 9401 James Avenue S., Suite 140, Bloomington, MN 55431, US
70. Hamilton Hallmark, 9750 S.W. Nimbus Avenue, Beaverton, OR 97005-7132, US
71. Hamilton Hallmark, P. O. Box 2647, Culver City, CA 90230, US
72. Jaco Electronics, 10270-F Old Columbia Road, Columbia, MD 21046, US
73. Jaco Electronics, 10340 Viking Drive, Suite 115, Eden Prairie, MN 55344, US
74. Jaco Electronics, 1053 East Street, Tewksbury, MA 01876, US
75. Jaco Electronics, 1209 N. Glenville, Richardson, TX 75081, US
76. Jaco Electronics, 145 Oser Avenue, Hauppauge, NY 11787, US
77. Jaco Electronics, 1541-A Parkway Loop, Tustin, CA 92680, US
78. Jaco Electronics, 1610-A Berryessa Road, San Jose, CA 95134, US
79. Jaco Electronics, 2120-A Braker Lane, Austin, TX 78758, US
80. Jaco Electronics, 2282 Townsgate Road, Suite 100, Westlake, CA 91361, US
81. Jaco Electronics, 4805 Green's Dairy Road, Suite 120, Raleigh, NC 27604-4612, US
82. Jaco Electronics, 4900 S.W. Griffith Drive, Suite 129, Beaverton, OR 97005, US
83. Jaco Electronics, 593 Learning Court, Lawrenceville, GA 30244, US
84. Jaco Electronics, 9900 West Sample Road, Suite 404, Coral Springs, FL 33065, US
85. Jaco Electronics, P.O. Box 471, Erie, CO 80516, US
86. Kent Electronics, Inc., 1135 Kildaire Farm Road, Suite 329-6, Cary, NC 27511, US
87. Kent Electronics, Inc., 11500 Metric Boulevard, Suite 410, Austin, TX 78758-4031, US
88. Kent Electronics, Inc., 117 West Liberty Street, Rome, NY 13440, US
89. Kent Electronics, Inc., 1360 Presidential Drive, Suite 170, Richardson, TX 75081-2437, US
90. Kent Electronics, Inc., 15455 N. Greenway-Hayden Loop, Scottsdale, AZ 85260, US
91. Kent Electronics, Inc., 17815-R Newhope Street, Fountain Valley, CA 92708, US
92. Kent Electronics, Inc., 1830 McCandless Drive, Milpitas, CA 95035, US
93. Kent Electronics, Inc., 19 Alpha Road, Chelmsford, MA 01824, US
94. Kent Electronics, Inc., 2191 George Urban Road, Depew, NY 14043, US
95. Kent Electronics, Inc., 29-A Village Lane, Wallingford, CT 06492, US
96. Kent Electronics, Inc., 31200 Solon Road, Suite, 12, Solon, OH 44139, US
97. Kent Electronics, Inc., 361-H Iverness Drive, S., Englewood, CO 80112, US
98. Kent Electronics, Inc., 4900-D Corporate Drive, Huntsville, AL 35805, US
99. Kent Electronics, Inc., 5340 N. Park Place, N.E. Suite 110, Cedar Rapids, IA 52402, US
100. Kent Electronics, Inc., 6195 Cornerstone Court E., Suite 114, San Diego, CA 92121, US
101. Kent Electronics, Inc., 6316 College Boulevard, Overland, KS 66211, US
102. Kent Electronics, Inc., 6355 Metrowest Blvd., Suite 240, Orlando, FL 32835, US
103. Kent Electronics, Inc., 721 Landmeier Road, Elk Grove Village, IL 60007-4757, US

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Vishay Precision Group, Inc. (CAGE Code: 658E7)**

Location: 3 Great Valley Parkway, Suite 150, Malvern, PA 19355-1417, US

Authorized Distributors:

Category A

NON-STOCKING: DOES NOT STOCK PARTS IN QUANTITY

104. Kent Electronics, Inc., 8469 154th Street, Redmond, WA 98052-2518, US
105. Kent Electronics, Inc., 9104 Guilford Road, Suite 1010, Columbia, MD 21046, US
106. Kent Electronics, Inc., 953 Westgate Drive, St. Paul, MN 55114, US
107. Kent Electronics, Inc., 9770 S.W. Nimbus Avenue, Beaverton, OR 97005, US
108. Kent Electronics, Inc., P.O. Box 677, Pine Brook, NJ 07058, US
109. T. T. I., Inc., 1 Executive Drive, Suite 9, Morristown, NJ 08057, US
110. T. T. I., Inc., 10849 Kinghurst Drive, Suite 135, Houston, TX 77099-3450, US
111. T. T. I., Inc., 12301 Whitewater Drive, Suite 240, Minnetonka, MN 55343, US
112. T. T. I., Inc., 1301 Basswood, Suite 350, Schaumburg, IL 60173, US
113. T. T. I., Inc., 13220 Evening Creek Drive, S., Suite 101, San Diego, CA 92128, US
114. T. T. I., Inc., 1535 McCandless Dr., Bldg 11, Milipitas, CA 95035, US
115. T. T. I., Inc., 15535 San Fernando Mission Blvd., Suite 319, Mission Hills, CA 91345, US
116. T. T. I., Inc., 1570 Brookhollow, Suite 103, Santa Ana, CA 92705, US
117. T. T. I., Inc., 2 Highwood Drive, Tewksbury, MA 01876-1194, US
118. T. T. I., Inc., 4033 E. Belknap, Fort Worth, TX 76111-6696, US
119. T. T. I., Inc., 4625 S. Wendler Drive, Suite 108, Tempe, AZ 85282, US
120. T. T. I., Inc., 4700 Rockside Road, Suite 500, Independence, OH 44131, US
121. T. T. I., Inc., 4805 Green's Dairy Road, Suite 120, Raleigh, NC 27604, US
122. T. T. I., Inc., 6220 South Orange Blossom Trail, Suite 516, Orlando, FL 92809, US
123. T. T. I., Inc., 6410 Altantic Boulevard, Suite 150, Norcross, GA 30071, US
124. T. T. I., Inc., 6420-B Dobbin Road, Columbia, MD 21045, US
125. T. T. I., Inc., 6500 Poe Avenue, Suite 400, Dayton, OH 45414, US
126. T. T. I., Inc., 6510 W. 91st Avenue, Suite 104, Westminster, CO 80030, US
127. T. T. I., Inc., 7185 S.W. Sandburg Road, Suite 202, Tigard, OR 97223, US
128. T. T. I., Inc., 7539 Airport Freeway, Fort Worth, TX 76118, US
129. T. T. I., Inc., 8 Fairfield Boulevard, Wallingford, CT 06492, US
130. T. T. I., Inc., 921 S. Second Street, Ronkonkoma, NY 11779, US
131. T. T. I., Inc., 9300 110 Street, Suite 645, Overland Park, KS 66210, US
132. T. T. I., Inc., 9577 N.E. 153rd Avenue, Redmond, WA 98052, US
133. Tri-Start Electronics, Inc., 134 Remington Boulevard, Ronkonkoma, NY 11779, US
134. Tri-Start Electronics, Inc., 18 Broad Street, Suite 811, Charleston, SC 29401, US
135. Tri-Start Electronics, Inc., 277 Fairfield Road, Suite 122, Fairfield, NJ 07004, US

**Manufacturer: Wilbrecht LEDCO, Inc. (CAGE Code: 0KUU5)**

Location: 1400 Energy Park Drive, Suite 18, St. Paul, MN 55108-5248, US

Plants:

1. 155 Waibel Drive, NE, Huron, SD 57350, US