

**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:**

DSCC Office of Primary Involvement: Passive Devices Team, DSCC-VQP  
 Primary DSCC-VQ Contact: 614-692-0597, e-mail: vqp.jz@dla.mil  
 Secondary DSCC-VQ 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 the Defense Supply Center Columbus (DSCC-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:**

RN\*551/C49R9FM

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)
<b>Part 1</b>				
<b>RNC50*</b>				
Chars. H, K; res. values 10 ohms thru 100 kilohms; tols. F; life failure rates C, M, P, R, S	TJ-50	55182-748-86	/7	IRC/TT Electronics
<b>RNC50*</b>				
Chars. J; res. values 100 ohms thru 100 kilohms; tols. F; life failure rates C, M, P, R, S	TJ-50	55182-748-86	/7	IRC/TT Electronics
<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. 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)

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<b>Part 1</b>				
<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>RNC55*</b>				
Chars. H, J; res. values 10 ohms thru 1 megohms; tols. B, D, F; life failure rates C, M, P, R, S	TH-55 TJ-55 TK-55	55182-1226-76	/1	IRC/TT Electronics
<b>RNC55*</b>				
Chars. H, J, K; res. values 10 ohms thru 1 megohms; tols. D, F; life failure rates C, M, P, R, S	TH-55 TJ-55 TK-55	55182-1226-76	/1	IRC/TT Electronics
<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	55182-438-81 55182-304-87	/1	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	55182-438-81 55182-304-87	/1	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>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>RNC60*</b>				
Chars. H, J, K; res. values 10 ohms thru 100 kilohms; tols. B, D, F; life failure rates C, M, P, R, S	TH-60 TJ-60 TK-60	55182-1227-76 55182-930-75	/3	IRC/TT Electronics
<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	55182-94-88 55182-542-88	/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	55182-94-88 55182-542-88	/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. K; res. values 10 ohms thru 3.01 megohms; tols. D, F; life failure rates C, M, P, R	ERC-70 ERC-70-4	55182-506-86 55182-304-87	/6	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	55182-506-86 55182-304-87	/6	Vishay Dale (Columbus, NE)
<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	55182-066-96 55182-152-97 55182-002-99 55182-317-02	/9	Vishay Israel, Ltd.
<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	55182-066-96 55182-152-97 55182-001-99 55182-317-02	/9	Vishay Israel, Ltd.
<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	55182-145-94 55182-001-99 55182-119-99 55182-317-02	/9	Vishay Israel, Ltd.

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<b>Part 1</b>				
<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 55182-316-02 55182-670-03 55182-2208-08 55182-2209-08	/9	Vishay Israel, Ltd.
<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 55182-254-02 55182-157-02 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.
<b>RNN50*</b> Chars. H, J, K; res. values 10 ohms thru 301 kilohms; tols. F; life failure rates C, M, P, R, S	TJ-50	55182-748-86	/7	IRC/TT Electronics
<b>RNN55*</b> Chars. H, J, K; res. values 1 megohms thru 2 megohms; tols. F; life failure rates C, M, P, R, S	TH-55 TJ-55 TK-55	55182-1226-76	/1	IRC/TT Electronics
<b>RNN55*</b> Chars. K; res. values 10 ohms thru 1 megohms; tols. D, F; life failure rates C, M, P, R, S	TH-55 TJ-55 TK-55	55182-1226-76	/1	IRC/TT Electronics
<b>RNN55*</b> Chars. H, J; res. values 10 ohms thru 1 megohms; tols. B, D, F; life failure rates C, M, P, R, S	TJ-55 TK-55 TN-55	55182-1226-76	/1	IRC/TT Electronics
<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	55182-237-93 55182-222-94 55182-134-95 55182-052-96 55182-118-95 55182-158-96 55182-121-96	/1	Vishay Angstrom
<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	55182-117-95 55182-026-97 55182-121-96	/2	Vishay Angstrom
<b>RNN60*</b> Chars. K; res. values 10 ohms thru 100 kilohms; tols. D, F; life failure rates C, M, P, R, S	TH-60 TJ-60 TK-60	55182-1227-76 55182-930-75	/3	IRC/TT Electronics
<b>RNN60*</b> Chars. H, J; res. values 10 ohms thru 100 kilohms; tols. B, D, F; life failure rates C, M, P, R, S	TH-60 TJ-60 TK-60	55182-1227-76 55182-930-75	/3	IRC/TT Electronics
<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	55182-223-94 55182-105-96 55182-125-96 55182-121-96	/3	Vishay Angstrom
<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	55182-124-96 55182-071-97 55182-050-99 55182-162-99	/5	Vishay Angstrom

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<b>Part 1</b>				
<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	55182-124-96 55182-071-97 55182-050-99	/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	55182-237-93 55182-222-94 55182-134-95 55182-052-96 55182-118-95 55182-158-96 55182-121-96	/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	55182-438-81 55182-304-87	/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	55182-438-81 55182-304-87	/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)
<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	55182-117-95 55182-026-97 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	55182-223-94 55182-105-96 55182-125-96 55182-121-96	/3	Vishay Angstrohm
<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>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	55182-94-88 55182-542-88	/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	55182-124-96 55182-071-97 55182-050-99 55182-162-99	/5	Vishay Angstrohm

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<b>Part 1</b>				
<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>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>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	55182-124-96 55182-071-97 55182-050-99	/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	55182-506-86 55182-304-87	/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	55182-506-86 55182-304-87	/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: IRC/TT Electronics (CAGE Code: 11502)**

Location: International Resistive Company, 736 Greenway Road, Boone, NC 28607-4830, US

Plant Location: 736 Greenway Road, Boone, NC 28607, US

## Distributor Locations:

1. All American, 1845 Satellite Boulevard, Suite 850, Duluth, GA 30097, US
2. All American, 26650 Renaissance Parkway, Warrensville Heights, OH 44128, US
3. All American, 100 Burt Road, Suite 110, Andover, MA 01810, US
4. All American, 8310 Guilford Road, Suite A, Columbia, MD 21046, US
5. All American, 1930 N. Thoreau Drive, Suite 200, Schaumburg, IL 60173, US
6. All American, 1701 Analog Drive, Richardson, TX 75081, US
7. All American, 7575 West 103rd Street, Suite 100, Westminster, CO 80021, US
8. All American, 4631 Johnson Road, Suite 8, Coconut Creek, FL 33073, US
9. All American, Carretera Base Area #5850 Km. Module 8, Colonia La Mora, Zapopan 45100, Japan
10. All American, 8 East Stow Road, Suite 100, Marlton, NJ 08053, US
11. All American, 528 S. North Lake Boulevard, Suite 1040, Altamonte Springs, FL 32701, US
12. All American, 10805 Holde Street, Suite 100, Cypress, CA 90630, US
13. All American, 7800 Equitable Drive, Suite 150, Eden Prairie, MN 55344, US
14. All American, 20875 Crossroads Circle, Suite 950, Waukesha, WI 53186, US
15. All American, 16115 NW 52nd Avenue, Miami, FL 33014-9317, US
16. All American, 275-B Marcus Boulevard, Hauppauge, NY 11788, US
17. All American, 7201 West 129th Street, Suite 150, Overland Park, KS 66213, US
18. All American, 4940 Corporate Drive, Suite D, Huntsville, AL 35805, US
19. All American, 3007 Douglas Boulevard, Suite 175, Roseville, CA 95661, US
20. All American, 19310 North Creek Parkway South, Suite 109, Bothell, WA 98011, US
21. All American, 230 Devcon Drive, San Jose, CA 95112, US
22. All American, 26010 Mureau Road, Suite 120, Calabasas, CA 91302, US
23. All American, 9585 Candida Street, San Diego, CA 92126, US
24. All American, 6955 Union Park Center, Suite 110, Midvale, UT 84047, US
25. All American, 333 Metro Park, Rochester, NY 14623, US
26. All American, 1121 Situs Court, Suite 370, Raleigh, NC 27606, US
27. All American, 14976 NW Greenbrier Parkway, Beaverton, OR 97006, US
28. All American, 1900 W. University Drive, Suite 230, Tempe, AZ 85281, US
29. All American, 14192 Chambers Road, Tustin, CA 92780, US
30. All American, 6375 Dixie Road, Units 4, 5, 6, Mississauga, Ontario L5T 2E7, Canada
31. All American, 640 Brooker Creek Boulevard, Suite 465, Oldsmar, FL 34677, US
32. All American, 48376 Milmont Drive, Fremont, CA 94538, US
33. All American, 39201 Schoolcraft Road, Suite B-20, Livonia, MI 48150, US
34. All American, 100 Mill Plain Road, Suite 360, Danbury, CT 06811, US
35. All American, 13809 Research Boulevard, Suite 812, Austin, TX 78750, US
36. Arrow Electronics Components, 19180 Transcanada Highway, Baie D'urfe, Quebec H9X 3S4, Canada
37. Arrow Electronics Components, 171 Superior Boulevard, Mississauga, Ontario L5T 2L6, Canada
38. Arrow Electronics Components, 8521 Commerce Court, Burnaby, British Columbia V5A 4N3, Canada
39. Arrow Electronics Components, 150 North Patrick Boulevard, Suite 200, Brookfield, WI 53045, US
40. Arrow Electronics Components, 12111 East 51st Street, Suite 101, Tulsa, OK 74146-6005, US
41. Arrow Electronics Components, 2380 Schuetz Road, St. Louis, MO 63146-3412, US
42. Arrow Electronics Components, 13800 NW 14th Street, Suite 160, Sunrise, FL 33323, US
43. Arrow Electronics Components, 3310 146th Place SE, Building B, Suite A, Bellevue, WA 98007-6471, US
44. Arrow Electronics Components, 3000 Bowers Avenue, Santa Clara, CA 95051, US
45. Arrow Electronics Components, 9173 Sky Park Court, San Diego, CA 92123, US
46. Arrow Electronics Components, 2440 South 1070 West, Suite A, Salt Lake City, UT 8419-1554, US
47. Arrow Electronics Components, 3300 Douglas Boulevard, Suite 105, Roseville, CA 95661, US
48. Arrow Electronics Components, 2165 Brighton-Henrietta Townline Road, Rochester, NY 14623-2898, US
49. Arrow Electronics Components, 200 Perimeter Park Drive, Suite D, Morrisville, NC 27560-9752, US
50. Arrow Electronics Components, 9500 SW Nimbus Avenue, Building E, Beaverton, OR 97008-7184, US
51. Arrow Electronics Components, 3245 Old Frankstown Road, Pittsburgh, PA 15239-2909, US
52. Arrow Electronics Components, 2552 West Erie Drive, Suite 101, Tempe, AZ 85282, US
53. Arrow Electronics Components, 355 Business Center Drive, Horsham, PA 19044, US
54. Arrow Electronics Components, Foothill Corporate Plaza, 27121 Towne Centre Drive, Suite 100, Foothill Ranch, CA 92610-2807, US
55. Arrow Electronics Components, 55 Skyline Drive, Suite 2500, Lake Mary, FL 32746, US
56. Arrow Electronics Components, 220 Rabro Drive East, Hauppauge, NY 11788, US
57. Arrow Electronics Components, 100 South Jefferson Road, Whippany, NJ 07981-1027, US
58. Arrow Electronics Components, 7629 Anagram Drive, Eden Prairie, MN 55344, US
59. Arrow Electronics Components, 44760 Helm Street, Plymouth, MI 48170-6019, US
60. Arrow Electronics Components, 20935 Warner Center Lane, Woodland Hills, CA 91367, US
61. Arrow Electronics Components, 9801 Legler Road, Lenexa, KS 66219, US
62. Arrow Electronics Components, 6982 Hillside Court, Indianapolis, IN 46250, US
63. Arrow Electronics Components, 4930 Corporate Drive, Suite F, Huntsville, AL 35805, US
64. Arrow Electronics Components, 2901 Wilcrest, Suite 120, Houston, TX 77042, US
65. Arrow Electronics Components, 7459 South Lima Street, Building 1, Englewood, CO 80112-5816, US
66. Arrow Electronics Components, 7677 Paragon Road, Suite A, Dayton, OH 45459, US
67. Arrow Electronics Components, 6340 International Parkway, Suite 100, Plano, TX 75093, US
68. Arrow Electronics Components, 860 North Main Street Ext., Wallingford, CT 06492-2419, US
69. Arrow Electronics Components, 30600 Aurora Road, Building B, Suite 180, Solon, OH 44139, US

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**Manufacturer and Supplier Location Information**

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70. Arrow Electronics Components, 1855 Satellite Boulevard, Suite 600, Duluth, GA 30097, CA
71. Arrow Electronics Components, 9233 Waterford Centre Boulevard, Austin, TX 78758, US
72. Arrow Electronics Components, 9800 Patuxent Woods Drive, Suite J, Columbia, MD 21046-1587, US
73. Arrow Electronics Components, 116 Spring Lake Drive, Itasca, IL 60143-2062, US
74. Arrow Electronics Components, 35 Upton Drive, Wilmington, MA 01887-1073, US
75. Arrow Electronics Components, 84 Hines Road, Suite 100, Kanata, Ontario K2K 3G3, Canada
76. Arrow Electronics Components, 2151 32nd Street NE, Unit D, Calgary, Alberta T1Y 7G3, Canada
77. Future Electronics, 26570 West Agoura Road, Suite 100, Calabasas, CA 91302, US
78. Future Electronics, 4400 River Green arkway, Suite 220, Duluth, GA 30096, US
79. Future Electronics, 59 Skyline Drive, Suite 1000, Lake Mary, FL 32746, US
80. Future Electronics, 300 Linden Oaks, Rochester, NY 14625, US
81. Future Electronics, 3450 South Highland Drive, Suite 301, Salt Lake City, UT 84106, US
82. Future Electronics, Parker Business Center, 2800 Sumner Boulevard, Suites 154, 160, 166-A, Raleigh, NC 27616, US
83. Future Electronics, 5000 Stonewood Drive, Suite 200, Wexford, PA 15090, US
84. Future Electronics, 690 North McCarthy Boulevard, Suite 200, Milpitas, CA 95035, US
85. Future Electronics, 655 Caig Road, Suite 240, Creve Coeur, MO 63141, US
86. Future Electronics, 1640 Lead Hill Road, Suite 200, Roseville, CA 95661, US
87. Future Electronics, 5250 Neil Road, Suite 106, Reno, NV 89502, US
88. Future Electronics, 6650 SW Redwood Lane, Suite 160, Portland, OR 97224, US
89. Future Electronics, 4801 East Washington Street, Suite 225, Phoenix, AZ 85034, US
90. Future Electronics, 2000 Crawford Place, Suite 900, Mount Laurel, NJ 08054, US
91. Future Electronics, 175 North Corporate Drive, Suite 150, Brookfield, WI 53045, US
92. Future Electronics, 3033 Express Drive North, Hauppauge, NY 11749, US
93. Future Electronics, 25-B Technology Drive, Suite 200, Irvine, CA 92618, US
94. Future Electronics, 4960 Corporate Drive N, Suite 150, Huntsville, AL 35805, US
95. Future Electronics, 41 Main Street, Bolton, MA 01740, US
96. Future Electronics, 10975 Grandview Drive, Suite 330, Overland Park, KS 66210, US
97. Future Electronics, 8520 Allison Point Boulevard, Suite 205, Indianapolis, IN 46250, US
98. Future Electronics, 10333 Richmond Avenue, Suite 970, Houston, TX 77042, US
99. Future Electronics, Parsippany Place, 959 Route 46 E, Suite 303, Parsippany, NJ 07054, US
100. Future Electronics, 38800 Country Club Drive, Suite 100, Farmington Hills, MI 48331, US
101. Future Electronics, 1430 Oak Court, Suite 203, Beaver creek, OH 45430, US
102. Future Electronics, 6060 Rockside Woods Boulevard, Suite 141, Independence, OH 44131, US
103. Future Electronics, 2300 Barrington Road, Suite 500, Hoffman Estates, IL 60195, US
104. Future Electronics, 16740 Birkdale Commons Parkway, Suite 212, Huntersville, NC 28078, US
105. Future Electronics, 12438 West Bridger Street, Suite 110, Boise, ID 83713, US
106. Future Electronics, Greystone Plaza, 7200 North MoPac Expressway, Suite 310, Austin, TX 78731, US
107. Future Electronics, 251 Salina Meadows Parkway, Suite 210, Syracuse, NY 13212, US
108. Future Electronics, Creekview Building, 3350 Monte Villa Parkway, Suite 210, Bothell, WA 98021, US
109. Future Electronics, 6256 Greenwich Drive, Suite 250, San Diego, CA 92122, US
110. Future Electronics, 4595 Broadmoor Avenue SE, Suite 280, Grand Rapids, MI 49512, US
111. Future Electronics, 6500 Boeving Drive, Suite T5, El Paso, TX 79925-1074, US
112. Future Electronics, 1819 Denver West Drive, Suilding 26, Suite 350, Golden, CO 80401, US
113. Future Electronics, 2201 West Plano Parkway, Suite 150, Plano, TX 75075, US
114. Future Electronics, 15950 Bay Vista Drive, Suite 340, Clearwater, FL 33760, US
115. Future Electronics, Westgate Office Center, 700 West Johnson Avenue, Cheshire, CT 06410, US
116. Future Electronics, 1190 Winterson Road, Suite 180, Linthicum, MD 21090, US
117. Future Electronics, 18882 Lake Drive East, Chanhassen, MN 55317, US
118. Jaco Electronics, 145 Oser Avenue, Hauppauge, NY 11788, US
119. Justin Electronics Corp., 400 Oser Avenue, #800, Hauppauge, NY 11788, US
120. LXI, 100 Airport Drive, Wappingers Falls, NY 12590, US
121. LXI, 190 Lime Quarry Road, Suite 205, Madison, AL 35758, US
122. LXI, 501 Airport North Office Park, Fort Wayne, IN 46825, US
123. LXI, 400 Fuller Wiser Road, Suite 111, Euless, TX 76039, US
124. Mouser Electronics, Inc., 1810 Gillespie Way, Suite 101, El Cajon, CA 92020, US
125. Mouser Electronics, Inc., 1000 North Main Street, Mansfield, TX 76063, US
126. Mouser Electronics, Inc., 382 Route 46, Suites 1 & 2, Budd Lake, NJ 07828, US
127. Newark InOne, 6443 SW Beaverton Hillsdale Highway, Suite 330, Portland, OR 97225-1692, US
128. Newark InOne, 6400 Rockside Road, Independence, OH 44131, US
129. Newark InOne, 34 Jerome Avenue, Suite 200, Bloomfield, CT 06002-2463, US
130. Newark InOne, 3251 Lewiston Street, Suite 12, Aurora, CO 80011, US
131. Newark InOne, 550 St. Charles Drive, Suite 200, Thousand Oaks, CA 91360-5828, US
132. Newark InOne, 5750 New King Street, Troy, MI 48098, US
133. Newark InOne, 3600 West Bayshore Road, Suite 104, Palo Alto, CA 94303-4229, US
134. Newark InOne, 9444 Waples Street, Suite 480, San Diego, CA 92121-2939, US
135. Newark InOne, 12631-FE Imperial Highway, Building F136, Santa Fe Springs, CA 90670-4710, US
136. Newark InOne, 1620 West Fountainhead Parkway, Suite 301, Tempe, AZ 85282-1840, US
137. Newark InOne, 150 West Park Loop, Suite 110, Huntsville, AL 35806-1744, US
138. Newark InOne, 59 Composite Way, Suite 200, Boston, MA 01851-5150, US
139. Newark InOne, 65 Boston Post Road West, Marlborough, MA 01752-1854, US
140. Newark InOne, 7272 Park Circle Drive, Suite 260, Hanover, MD 21076-1306, US
141. Newark InOne, 6811 West 63rd Street, Suite 305, Overland Park, KS 66202-4080, US
142. Newark InOne, 11555 North Meridian, Suite 520, Carmel, IN 46032, US
143. Newark InOne, 1919 South Highland Avenue, Suite A320, Lombard, IL 60148-6119, US
144. Newark InOne, 22 Technology Park, Suite 250, Norcross, GA 33092-3053, US
145. Newark InOne, 3230 West Commercial Boulevard, Suite 300, Fort Lauderdale, FL 33309-3400, US

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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

Plant Location: Same Address as Manufacturer

## Category A

## Distributor Locations:

1. Acacia/Deanco Electronics, 16592 Milliken Avenue, Irvine, CA 92714, US
2. Acacia/Deanco Electronics, 1288 Hammerwood Avenue, Sunnyvale, CA 94086, 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  
275, US
8. Kent Electronics, Inc., 9760 Owensmouth Avenue, Chatsworth, CA 91311, US
9. Kent Electronics, Inc., 4040 Sorrento Valley Road, San Diego, CA 92121, US
10. Kent Electronics, Inc., 1520 Montague Expressway, San Jose, CA 95131, US
11. Kent Electronics, Inc., 2515 Wabash Avenue, St Paul, MN 55114, 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, P.O. Box 291, Dayton, OH 45404, US
15. Pioneer Standard Electronics, 4800 E. 131 Street, Cleveland, OH 44105, 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, 1570 Brookhollow, Suite 103, Santa Ana, CA 92705, US
20. T. T. I., Inc, 670-A Lakeview Plaza Boulevard, Columbus, OH 43085, US
21. T. T. I., Inc, 10200 Sepulveda Boulevard, Millsion Hills, CA 91345, US
22. T. T. I., Inc, 4033 East Belknap, Fort Worth, TX 76111, 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

## Plant Locations:

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

## Category A

## Distributor Locations:

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

## Distributor Location:

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

## Category B - MIL-R-55182 only

## Distributor Location:

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

**Manufacturer: Vishay Intertechnology, Inc. (CAGE Code: 18612)**

Location: 63 Lincoln Highway, Malvern, PA 19355-2143, US

Plant Location: Vishay Israel, Ltd., 2 Ha'ofan Street, Holon 58125, Israel, Israel

## Category A

## Distributor Locations:

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



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**Manufacturer and Supplier Location Information**

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## Distributor Locations:

1. Bell Industries, 1715 114th Avenue, S.E., Suite 208, Bellevue, WA 98004, US
2. Bell Industries, 870 Cambridge, Elk Grove Village, IL 60007-2437, US
3. Bell Industries, 6912 S. 185 West, Suite B, Midvale, UT 84047, US
4. Bell Industries, P. O. Box 6885, Indianapolis, IN 46268-0885, US
5. Bell Industries, 9351 Grant Street, Suite 460, Thornton, CO 80229, US
6. Bell Industries, 525 Airport North Office Park, Fort Wayne, IN 46825, US
7. Bell Industries, Micro-Mil Division, 444 Windsor Park Drive, Dayton, OH 45459, US
8. Bell Industries, 220 Technology Drive, Suite 100, Irvine, CA 92718, US
9. Bell Industries, 3001 Douglas Boulevard, Suite 205, Roseville, CA 95661, US
10. Bell Industries, 30101 Aquora Court, Suite 118, Aquora Hills, CA 91301, US
11. Bell Industries, 11812 San Vicente Blvd., Suite 300, Los Angeles, CA 90049, US
12. Bell Industries, 11728 Linn, N.E., Albuquerque, NM 87123, US
13. Bell Industries, 10611 N. Hayden Road, Suite D=103, Scottsdale, AZ 85260, US
14. Bell Industries, 158 Gaither Drive, Suite 110, Mt. Laurel, NJ 08054, US
15. Bell Industries, 271 Route 46 W., Suites F202-203, Fairfield, NJ 07004, US
16. Bell Industries, 1064 E. Main Street, Meridan, CT 06450, US
17. Bell Industries, 100 Burt Road, #106, Andover, MA 01810, US
18. Bell Industries, 9275 S.W. Nimbus Avenue, Beaverton, OR 97005-7132, US
19. Bell Industries, 8945 Guilford Road, #130, Columbia, MD 21046-1409, US
20. Bell Industries, 31200 Solon Road, Suite 12, Solon, OH 44139, US
21. Bell Industries, 555 Sparkman Drive, Suite 600D, Huntsville, AL 35816, US
22. Bell Industries, 650 South North Lake Blvd. Suite 400, Altamonte Springs, FL 32701, US
23. Bell Industries, 3000-D Business Park Drive, Norcross, GA 30071, US
24. Bell Industries, 1161 North Fair Oaks Avenue, Sunnyvale, CA 94086, US
25. Bell Industries, 5520 Ruffin Road, #103, San Diego, CA 92123-1320, US
26. Bell Industries, 1701 Greeneville, Suite 306, Richardson, TX 75081, US
27. Hamilton Hallmark, 8214 154th Avenue, N.E., Redmond, WA 98052-3556, US
28. Hamilton Hallmark, 9750 S.W. Nimbus Avenue, Beaverton, OR 97005-7132, US
29. Hamilton Hallmark, 1406 N. 28th Street, Suite 105, Harlingen, TX 78550, US
30. Hamilton Hallmark, 11-A Founders Boulevard, El Paso, TX 79906, US
31. Hamilton Hallmark, 1100 E. 6600 S., Suite 120, Salt Lake City, UT 84121, US
32. Hamilton Hallmark, P. O. Box 2647, Culver City, CA 90230, US
33. Hamilton Hallmark, 7801 Academy Road, Bldg. 1, Suite 102, Albuquerque, NM 87109, US
34. Hamilton Hallmark, 7400 N. Oracle Street, Tucson, AZ 85704, US
35. Hamilton Hallmark, 1626 S Edward Drive, Tempe, AZ 85281, US
36. Hamilton Hallmark, 1 Keystone Avenue, Bldg 36, Cherry Hill, NJ 08003, US
37. Hamilton Hallmark, 10 Lanidex Plaza West, Parsippany, NJ 07054-2715, US
38. Hamilton Hallmark, 125 Commerce Court, Unit 6, Cheshire, CT 06410, US
39. Hamilton Hallmark, 10-D Centennial Drive, Peabody, MA 01960, US
40. Hamilton Hallmark, 10809 Lakeview Drive, Lenexa, KS 66215, US
41. Hamilton Hallmark, 4805 Green's Dairy Road, Suite 120, Raleigh, NC 27604, US
42. Hamilton Hallmark, 7134 Columbia Gateway Circle, Columbia, MD 21046-2101, US
43. Hamilton Hallmark, 3783 Rider Trail, S., Earth City, MO 63045, US
44. Hamilton Hallmark, 1130 Thorndale Avenue, Bensenville, IL 60106, US
45. Hamilton Hallmark, 9401 James Avenue S., Suite 140, Bloomington, MN 55431, US
46. Hamilton Hallmark, 2440 S. 179th Street, New Berlin, WI 53146, US
47. Hamilton Hallmark, 44191 Plymouth Oaks Blvd., Plymouth, MI 48170, US
48. Hamilton Hallmark, 655 W. Carmel Drive, Suite 160, Carmel, IL 46032, US
49. Hamilton Hallmark, 7760 Washington Village Drive, Dayton, OH 45459, US
50. Hamilton Hallmark, 4637 South 36th Place, Phoenix, AZ 85040, US
51. Hamilton Hallmark, 10491 72nd Street, N., Largo, FL 34647, US
52. Hamilton Hallmark, 3350 N.W. 53rd Street, Suites 105-107, Ft. Lauderdale, FL 33309, US
53. Hamilton Hallmark, 7079 University Boulevard, Winter Park, FL 32792, US
54. Hamilton Hallmark, 3425 Corporate Way, Suites A & G, Duluth, GA 30136, US
55. Hamilton Hallmark, 580 Menlo Drive, Suite 2, Rocklin, CA 95677, US
56. Hamilton Hallmark, 2105 Lundy Avenue, San Jose, CA 95131, US
57. Hamilton Hallmark, 3170 Pullman Street, Costa Mesa, CA 92626, US
58. Hamilton Hallmark, 4545 Viewridge Avenue, San Diego, CA 92123, US
59. Hamilton Hallmark, 21150 Califa Street, Woodland Hills, CA 91367, US
60. Hamilton Hallmark, 1057 Henrietta Road, Rochester, NY 14623, US
61. Hamilton Hallmark, 390 Rabro Drive, Hauppauge, NY 11788, US
62. Hamilton Hallmark, 5821 Harper Road, Solon, OH 44139, US
63. Hamilton Hallmark, 777-L Dearborn Park Lane, Worthington, OH 43085, US
64. Hamilton Hallmark, 1847-G Mercer Road, Lexington, KY 40511, US
65. Hamilton Hallmark, 4890 University Drive, Suite 1, Huntsville, AL 35805-6229, US
66. Hamilton Hallmark, 710 Wooten Road, Suite 28, Colorado Springs, CO 80915, US
67. Hamilton Hallmark, 12606 E. 51st Street, Tulsa, OK 74147, US
68. Hamilton Hallmark, 12503 E. Euclid Drive, Suite 20, Englewood, CO 80111, US
69. Hamilton Hallmark, 12211 Technology Boulevard, Austin, TX 78759, US
70. Hamilton Hallmark, 8000 Westglen, Houston, TX 77063, US
71. Hamilton Hallmark, 11420 Pagemill Drive, Dallas, TX 75243, US
72. Jaco Electronics, 1209 N. Glenville, Richardson, TX 75081, US
73. Jaco Electronics, 2120-A Braker Lane, Austin, TX 78758, US
74. Jaco Electronics, 4805 Green's Dairy Road, Suite 120, Raleigh, NC 27604-4612, US
75. Jaco Electronics, 10270-F Old Columbia Road, Columbia, MD 21046, US

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**Manufacturer and Supplier Location Information**

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

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

Plant Location: 155 Waibel Drive, NE, Huron, SD 57350, US