

**DLA Land and Maritime - VQ**  
**Supplemental Information Sheet for Electronic QPL-55110**

**Date: 2/29/2016**

**Specification Details:**

Specification: MIL-PRF-55110  
Title: Printed Wiring Board, Rigid  
Federal Supply Class (FSC): 5998  
Conventional: Yes  
Specification contains quality assurance program: No  
MIL-STD-790 Established Reliability & High Reliability: No  
MIL-STD-690 Failure Rate Sampling Plans & Procedures: No  
Weibull Graded: No  
Specification contains space level reliability requirements: No  
Specification allows test optimization: No

**Contact Information:**

Office of Primary Involvement: Electronic Devices Branch, DLA Land and Maritime - VQE  
Primary Qualifying Activity Contact: 614-692-0627, e-mail: vqe.ls@dla.mil

**Notes:**

Effective 31 December 1998, MIL-PRF-55110 has been declared "Inactive for New Design." For new design, use MIL-PRF-31032. This is applicable on all acquisitions to which MIL-PRF-55110 is applied.

Extent of Qualification Qualification of a particular board type shall be extended to cover all conductor patterns of that same board type produced. Qualification of type 3 boards shall be extended to cover type 1 and type 2 boards. Qualification of type 2 boards shall be extended to cover type 1 boards. Qualification with type GF base material shall be extended to cover types GB and GH base materials. Qualification with type GR base material shall be extended to cover type GP base material. Qualification with type GY base material shall be extended to cover types GT and GX base materials. Qualification with type SC base material shall be extended to cover type GC base material. Qualification with type GX base material shall be extended to cover type GT base material. Qualification with types AF, BF, GB, GC, GH, GI, GM, or QI base material shall cover that material only.

a. The last six digits of the Qualification Reference Number (QRN) is the qualification expiration date in "mmddyy" format (e.g. 55110-1234-042211 expires on April 22, 2011).

b. An asterisk (\*) adjacent to the QRN denotes that the product was tested for and meets the etchback requirements.

c. An exclamation (!) adjacent to the QRN denotes qualification through Appendix B of MIL-PRF-55110. There is no qualification expiration date. See QML-31032 for detailed information about this company's capabilities.

d. A pound sign (#) adjacent to the QRN denotes that the qualification vehicle was built using foil lamination technology. The specimen was tested for and meets peel strength requirements.

**Base Material:**

AF - Aramid Fabric, Woven, Majority Polyfunctional Epoxy Resin  
BF - Aramid Fabric, Nonwoven, Epoxy Resin  
BI - Aramid Fabric, Nonwoven, Polyimide Resin  
GB - Glass Base, Woven, Majority Polyfunctional Epoxy Resin, Hot Strength Retention  
GC - Glass Base, Woven E, Reinforcement, Majority Cyanate Ester, Flame Resistant  
GF - Glass Base, Woven, Majority Difunctional Epoxy Resin, Flame Resistant  
GH - Glass Base, Woven, Majority Polyfunctional Epoxy Resin, Hot Strength Retention, Flame Resistant  
GI - Glass Base, Woven, Polyimide Resin, Heat Resistant  
GM - Glass Base, Woven, Triazine and/or Bismaleimide Modified Epoxy Resin, Flame Resistant  
GR - Glass Base, Nonwoven, Polytetrafluoroethylene Resin, Flame Resistant  
GX - Glass Base, Woven, Polytetrafluoroethylene Resin, Flame Resistant  
GY - Glass Base, Woven, Polytetrafluoroethylene Resin, Flame Resistant, for Microwave Application  
QI - Quartz Base, Woven, Polyimide Resin, Heat Resistant  
SC - Glass Base, Woven S-2, Fiber, Majority Cyanate Ester, Flame Resistant

**Part Configuration:**

Listed by classification type and base material.

**PART LISTINGS**

| SUPPLIER'S NAME<br>(ADDRESS ON LAST PAGE)  | QUALIFICATION REFERENCE<br>NUMBER AND EXPIRATION<br>DATE (MM/DD/YY) | SUPPLIER'S NAME<br>(ADDRESS ON LAST PAGE)  | QUALIFICATION REFERENCE<br>NUMBER AND EXPIRATION<br>DATE (MM/DD/YY) |
|--------------------------------------------|---------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------|
| <b>AF TYPE 3</b>                           |                                                                     | <b>BI TYPE 3</b>                           |                                                                     |
| Lockheed Martin Mission Systems & Training | 55110-31032!*                                                       | Firan Technology Group                     | 55110-31032!*                                                       |
| TTM Technologies (Stafford)                | 55110-31032!                                                        | FTG Circuits, Inc.                         | 55110-4092-052017*                                                  |
| <b>BF TYPE 3</b>                           |                                                                     | Lockheed Martin Mission Systems & Training | 55110-31032!                                                        |
| TTM Technologies (Santa Clara)             | 55110-31032!*                                                       | TTM Technologies (Santa Clara)             | 55110-31032!*                                                       |
|                                            |                                                                     | TTM Technologies (Stafford)                | 55110-31032!*                                                       |

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|-----------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------|
| <b>GF TYPE 3</b>                              |                                                                     | <b>GF TYPE 3</b>                                   |                                                                     |
| A & C Electronics                             | 55110-4113-052817*#                                                 | Multicircuits, Inc.                                | 55110-4182-093017*#                                                 |
| AC Universal Circuits LLC                     | 55110-31032!*#                                                      | Multilayer Technology-JVB Electronics              | 55110-4199-062417*#                                                 |
| Accurate Circuit Engineering                  | 55110-31032!*                                                       | Murrietta Circuits, Inc.                           | 55110-31032!*#                                                      |
| Accurate Engineering Corp.                    | 55110-3890-082216*#                                                 | Netvia Group, LLC                                  | 55110-3401-051616*#                                                 |
| Advanced Circuits - Tempe Division            | 55110-31032*#                                                       | OK Print Corp.                                     | 55110-4328-022518                                                   |
| American Standard Circuits                    | 55110-31032!*#                                                      | Pho-Tronics, Inc.                                  | 55110-4382-061618*#                                                 |
| Amitron Corporation                           | 55110-4053-061317*#                                                 | Pioneer Circuits, Inc.                             | 55110-31032!*#                                                      |
| Amphenol Printed Circuits                     | 55110-31032!*#                                                      | PNC, Inc.                                          | 55110-31032!#                                                       |
| Aselsan Military Electronics Industries, Inc. | 55110-4076-043017                                                   | Printed Circuits, Inc                              | 55110-31032*                                                        |
| Calumet Electronics Corp.                     | 55110-31032!*                                                       | Pro-Tech Interconnect Solutions LLC                | 55110-31032!*#                                                      |
| Circuit Connect, Inc.                         | 55110-3877-101016*#                                                 | Prototron Circuits Southwest, Inc.                 | 55110-3638-110516*#                                                 |
| Cirexx International, Inc.                    | 55110-31032!*#                                                      | Sanmina-SCI (Costa Mesa)                           | 55110-31032!*#                                                      |
| Cirtech, Inc.                                 | 55110-4058-022517*                                                  | Sanmina-SCI, Owego                                 | 55110-31032!*#                                                      |
| Colonial Circuits, Inc.                       | 55110-31032!*#                                                      | Sanmina-SCI, San Jose                              | 55110-31032!*#                                                      |
| Compunetics, Inc.                             | 55110-31032!                                                        | Sierra Proto Express                               | 55110-3848-082816*#                                                 |
| Cosmotronic                                   | 55110-31032!*#                                                      | South Coast Circuits                               | 55110-4248-100917*#                                                 |
| Delta-DVH Circuits                            | 55110-3797-062616*#                                                 | Speedy Circuits, Inc.                              | 55110-31032!*#                                                      |
| Dragon Circuits Inc.                          | 55110-4206-031118*#                                                 | Streamline Circuits                                | 55110-3746-112716*#                                                 |
| Dynamic and Proto Circuits, Inc.              | 55110-31032!*                                                       | Thales Nederland B.V.                              | 55110-31032#                                                        |
| Electro Plate Circuitry, Inc.                 | 55110-31032!*#                                                      | TTM Technologies (Santa Ana)                       | 55110-31032!*#                                                      |
| Electrotek Corp.                              | 55110-31032!                                                        | TTM Technologies (Santa Clara)                     | 55110-31032!*#                                                      |
| Elreha Printed Circuits Corp.                 | 55110-4050-012917*#                                                 | TTM Technologies (Stafford)                        | 55110-31032!*                                                       |
| Eltek, Ltd.                                   | 55110-4270-091717#                                                  | U.S. Circuit, Inc.                                 | 55110-3541-070316*                                                  |
| Firan Technology Group                        | 55110-31032!*                                                       | Unicircuit, Inc.                                   | 55110-31032*                                                        |
| FTG Circuits, Inc.                            | 55110-4091-041117*#                                                 | Valley Syncom Circuits                             | 55110-4266-111817*#                                                 |
| Gorilla Circuits                              | 55110-31032!*                                                       | Viasystems North America Operations, Inc - Anaheim | 55110-31032!*#                                                      |
| Graphic Plc                                   | 55110-31032!#                                                       | Viasystems Technologies Corp., LLC - Cleveland     | 55110-31032!#                                                       |
| Graphic Research, Inc.                        | 55110-4078-022717*#                                                 | Viasystems Technologies Corp., LLC - Denver        | 55110-31032!*#                                                      |
| Hamby Corp.                                   | 55110-31032*                                                        | Viasystems Technologies Corp., LLC - Milpitas      | 55110-31032!*#                                                      |
| Hans Brockstedt GmbH                          | 55110-31032!*                                                       | Viasystems Technologies Corp., LLC - North Jackson | 55110-31032!*#                                                      |
| Holaday Circuits, Inc.                        | 55110-31032!*#                                                      | Viasystems Technologies Corp., LLC - San Jose      | 55110-31032!*#                                                      |
| Hughes Circuits                               | 55110-31032!                                                        | Viasystems Technologies Corp., LLC - Sterling      | 55110-31032!*                                                       |
| IMI, Inc.                                     | 55110-4139-080817                                                   | Viasystems Technologies Corp., LLC - Toronto       | 55110-31032!                                                        |
| Integrated Technology, Ltd. (ITL) Circuits    | 55110-4188-082917*#                                                 | Westak of Oregon                                   | 55110-31032*#                                                       |
| ISU Petasys                                   | 55110-31032!*#                                                      | WR-ALC/MAIPL                                       | 55110-4311-093018*                                                  |
| ITO Industries Inc.                           | 55110-4370-090318#                                                  |                                                    |                                                                     |
| KCA Electronics, Inc.                         | 55110-31032!*#                                                      |                                                    |                                                                     |
| Lazer-Tech, Ltd.                              | 55110-3892-121716*                                                  |                                                    |                                                                     |
| Lockheed Martin Mission Systems & Training    | 55110-31032!*                                                       |                                                    |                                                                     |
| Lone Star Circuits                            | 55110-31032!*#                                                      |                                                    |                                                                     |
| Mass Design Inc.                              | 55110-3730-051217*#                                                 |                                                    |                                                                     |
| Metaplast Circuits, Ltd.                      | 55110-3935-040417*                                                  |                                                    |                                                                     |
| Micom Corp.                                   | 55110-31032!                                                        |                                                    |                                                                     |
| Micropack, Ltd.                               | 55110-3581-090816*#                                                 |                                                    |                                                                     |
| Midwest Printed Circuits Services             | 55110-31032!*#                                                      |                                                    |                                                                     |
|                                               |                                                                     | <b>GI TYPE 3</b>                                   |                                                                     |
|                                               |                                                                     | AC Universal Circuits LLC                          | 55110-31032!*#                                                      |
|                                               |                                                                     | Accurate Engineering Corp.                         | 55110-4112-112017*#                                                 |
|                                               |                                                                     | Advanced Circuits - Tempe Division                 | 55110-31032*#                                                       |
|                                               |                                                                     | Advanced Circuits, Inc.                            | 55110-3902-081416*#                                                 |
|                                               |                                                                     | American Standard Circuits                         | 55110-31032!*                                                       |

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| <b>GI TYPE 3</b>                              |                                                                     | <b>GI TYPE 3</b>                                                                                               |                                                                     |
| Amphenol Printed Circuits                     | 55110-31032!*#                                                      | TTM Technologies (Santa Ana)                                                                                   | 55110-31032!*#                                                      |
| Aselsan Military Electronics Industries, Inc. | 55110-4077-043017                                                   | TTM Technologies (Santa Clara)                                                                                 | 55110-31032!*#                                                      |
| Calumet Electronics Corp.                     | 55110-31032*#                                                       | TTM Technologies (Stafford)                                                                                    | 55110-31032!*#                                                      |
| CIMULEC                                       | 55110-3723-052916#                                                  | U.S. Circuit, Inc.                                                                                             | 55110-4157-081917*                                                  |
| Circuit Connect, Inc.                         | 55110-4372-032418*#                                                 | Unicircuit, Inc.                                                                                               | 55110-31032!*#                                                      |
| Cirexx International, Inc.                    | 55110-31032!*#                                                      | Viasystems North America Operations, Inc - Anaheim                                                             | 55110-31032!*#                                                      |
| Cirtech, Inc.                                 | 55110-3748-042216*                                                  | Viasystems Technologies Corp., LLC - Cleveland                                                                 | 55110-31032!*#                                                      |
| Colonial Circuits, Inc.                       | 55110-31032!*#                                                      | Viasystems Technologies Corp., LLC - Denver                                                                    | 55110-31032!*#                                                      |
| Cosmotronic                                   | 55110-31032!*#                                                      | Viasystems Technologies Corp., LLC - Milpitas                                                                  | 55110-31032!*#                                                      |
| Dragon Circuits Inc.                          | 55110-4207-031118*#                                                 | Viasystems Technologies Corp., LLC - North Jackson                                                             | 55110-31032!*#                                                      |
| Dynamic and Proto Circuits, Inc.              | 55110-31032!*#                                                      | Viasystems Technologies Corp., LLC - San Jose                                                                  | 55110-31032!*#                                                      |
| Electro Plate Circuitry, Inc.                 | 55110-31032!*#                                                      | Viasystems Technologies Corp., LLC - Sterling                                                                  | 55110-31032!*#                                                      |
| Electrotek Corp.                              | 55110-31032!*#                                                      | Viasystems Technologies Corp., LLC - Toronto                                                                   | 55110-31032!*#                                                      |
| Eltek, Ltd.                                   | 55110-3884-080616#                                                  | Westak of Oregon                                                                                               | 55110-31032!*#                                                      |
| Firan Technology Group                        | 55110-31032!*#                                                      | <b>GM TYPE 3</b>                                                                                               |                                                                     |
| FTG Circuits, Inc.                            | 55110-3926-100316*#                                                 | Firan Technology Group                                                                                         | 55110-31032!*#                                                      |
| Gorilla Circuits                              | 55110-31032!*#                                                      | TTM Technologies (Stafford)                                                                                    | 55110-31032!*#                                                      |
| Graphic Plc                                   | 55110-31032!*#                                                      | <b>GR TYPE 2</b>                                                                                               |                                                                     |
| Graphic Research, Inc.                        | 55110-4079-030517*#                                                 | Graphic Research, Inc.                                                                                         | 55110-3818-030517                                                   |
| Hamby Corp.                                   | 55110-31032!*#                                                      | Lone Star Circuits                                                                                             | 55110-31032!*#                                                      |
| Hans Brockstedt GmbH                          | 55110-31032!*#                                                      | Speedy Circuits, Inc.                                                                                          | 55110-31032!*#                                                      |
| Holaday Circuits, Inc.                        | 55110-31032!*#                                                      | <b>GY TYPE 2</b>                                                                                               |                                                                     |
| Hughes Circuits                               | 55110-31032!*#                                                      | Colonial Circuits, Inc.                                                                                        | 55110-31032!*#                                                      |
| Integrated Technology, Ltd. (ITL) Circuits    | 55110-3747-092615*#                                                 | Graphic Research, Inc.                                                                                         | 55110-3814-030517                                                   |
| Johns Hopkins University                      | 55110-3913-031017                                                   | Lone Star Circuits                                                                                             | 55110-31032!*#                                                      |
| KCA Electronics, Inc.                         | 55110-31032!*#                                                      | Speedy Circuits, Inc.                                                                                          | 55110-31032!*#                                                      |
| Lockheed Martin Mission Systems & Training    | 55110-31032!*#                                                      | <b>GY TYPE 3</b>                                                                                               |                                                                     |
| Lone Star Circuits                            | 55110-31032!*#                                                      | Electro Plate Circuitry, Inc.                                                                                  | 55110-31032!*#                                                      |
| Micom Corp.                                   | 55110-31032!*#                                                      | <b>With or Without Woven or Non-Woven E-Glass, Polytetrafluoroethylene (PTFE) Resin, Ceramic Filler TYPE 3</b> |                                                                     |
| Micropack, Ltd.                               | 55110-4094-052117                                                   | Electro Plate Circuitry, Inc.                                                                                  | 55110-31032!*#                                                      |
| Midwest Printed Circuits Services             | 55110-31032!*#                                                      | Sanmina-SCI, San Jose                                                                                          | 55310-31032!*#                                                      |
| Multilayer Technology-JVB Electronics         | 55110-4198-073117*#                                                 | Speedy Circuits, Inc.                                                                                          | 55110-31032!*#                                                      |
| Murrietta Circuits, Inc.                      | 55110-3727-041516*#                                                 | TTM Technologies (Stafford)                                                                                    | 55110-31032!*#                                                      |
| Netvia Group, LLC                             | 55110-4161-111317*#                                                 | <b>Woven Glass Reinforced, Hydrocarbon Resin with Ceramic Fill TYPE 2</b>                                      |                                                                     |
| Pho-Tronics, Inc.                             | 55110-3554-031316*#                                                 | Sanmina-SCI, San Jose                                                                                          | 55110-31032!*#                                                      |
| Pioneer Circuits, Inc.                        | 55110-31032!*#                                                      | <b>Woven Glass Reinforced, Hydrocarbon Resin with Ceramic Fill TYPE 3</b>                                      |                                                                     |
| Printed Circuits, Inc.                        | 55110-31032!*#                                                      | AC Universal Circuits LLC                                                                                      | 55110-31032!*#                                                      |
| Pro-Tech Interconnect Solutions LLC           | 55110-31032!*#                                                      | Advanced Circuits, Inc.                                                                                        | 55110-4321-051918*#                                                 |
| Sanmina-SCI (Costa Mesa)                      | 55110-31032!*#                                                      | American Standard Circuits                                                                                     | 55110-31032!*#                                                      |
| Sanmina-SCI, Owego                            | 55110-31032!*#                                                      |                                                                                                                |                                                                     |
| Sanmina-SCI, San Jose                         | 55110-31032!*#                                                      |                                                                                                                |                                                                     |
| Sierra Proto Express                          | 55110-4013-021017*#                                                 |                                                                                                                |                                                                     |
| Speedy Circuits, Inc.                         | 55110-31032!*#                                                      |                                                                                                                |                                                                     |
| Streamline Circuits                           | 55110-3395-070516*#                                                 |                                                                                                                |                                                                     |
| Thales Nederland B.V.                         | 55110-31032!*#                                                      |                                                                                                                |                                                                     |

# **PART LISTINGS**

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## **Woven Glass Reinforced, Hydrocarbon Resin with Ceramic Fill TYPE 3**

|                                                  |                   |
|--------------------------------------------------|-------------------|
| Amphenol Printed Circuits                        | 55110-31032!*     |
| Colonial Circuits, Inc.                          | 55110-31032!*     |
| Compunetics, Inc.                                | 55110-31032       |
| Cosmotronic                                      | 55110-31032!*     |
| Delta Circuits, Inc.                             | 55110-4355-110517 |
| Speedy Circuits, Inc.                            | 55110-31032!      |
| TTM Technologies (Santa Clara)                   | 55110-31032!      |
| TTM Technologies (Stafford)                      | 55110-31032!*     |
| Viasystems Technologies Corp., LLC -<br>Sterling | 55110-31032!      |

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**Manufacturer and Supplier Location Information**

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**Manufacturer: A & C Electronics (CAGE Code: 65812)**

Location: 18153 Napa Street, Northridge, CA 91325, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: AC Universal Circuits LLC (CAGE Code: 45032)**

Location: 8860 Zachary Lane North, Maple Grove, MN 55369-4524, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Accurate Circuit Engineering (CAGE Code: 0MNN9)**

Location: 3019 S. Kilson Drive, Santa Ana, CA 92707, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Accurate Engineering Corp. (CAGE Code: 1W538)**

Location: 8710 TelFair Avenue, Sun Valley, CA 91352-2530, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Advanced Circuits - Tempe Division (CAGE Code: 6RJS1)**

Location: 229 S. Clark Drive, Tempe, AZ 85281-3073, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Advanced Circuits, Inc. (CAGE Code: 07HT7)**

Location: 21101 E. 32nd Parkway, Aurora, CO 81100-8149, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: American Standard Circuits (CAGE Code: 4AA34)**

Location: RF Division, 475 Industrial Drive, West Chicago, IL 60185, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Amitron Corporation (CAGE Code: 1LHP6)**

Location: 2001 Landmeier Rd., Elk Grove Village, IL 60007, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Amphenol Printed Circuits (CAGE Code: 57034)**

Location: 91 Northeastern Boulevard, Nashua, NH 03062, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Aselsan Military Electronics Industries, Inc. (CAGE Code: T4238)**

Location: P.O. Box 101, 06172 Yenimahalle, Ankara, Turkey

Plants:

1. Aselsan Military Electronics Industries, Inc., Macunkoy, Ankara, Turkey

**Manufacturer: Calumet Electronics Corp. (CAGE Code: 65337)**

Location: 25830 Depot Street, Calumet, MI 49913-1985, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: CIMULEC (CAGE Code: 0YWU1)**

Location: Zone Industrielle Les Jonquieres, 57365 Ennery, France

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Circuit Connect, Inc. (CAGE Code: 3JDJ7)**

Location: 4 State Street, Nashua, NH 03063, US

Plants:

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Circuit Connect, Inc. (CAGE Code: 3JDJ7)**

Location: 4 State Street, Nashua, NH 03063, US

1. Plant: Same Address as Manufacturer

**Manufacturer: Cirexx International, Inc. (CAGE Code: 4MEG7)**

Location: 791 Nuttman Street, Santa Clara, CA 95054, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Cirtech, Inc. (CAGE Code: 8K616)**

Location: 250 E. Emerson Avenue, Orange, CA 92665, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Colonial Circuits, Inc. (CAGE Code: 6T499)**

Location: 1026 Warrentown Road, Fredericksburg, VA 22406-6200, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Compunetics, Inc. (CAGE Code: 30598)**

Location: 700 Seco Road, Monroeville, PA 15146, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Cosmotronic, Inc. (CAGE Code: 63695)**

Location: 16721 Noyes Avenue, Irvine, CA 92606-5176, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Delta Circuits, Inc. (CAGE Code: 1KTH8)**

Location: 26 Spielman Road, Fairfield, NJ 07004, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Delta-DVH Circuits (CAGE Code: 8U401)**

Location: Ambay Circuits, Inc. dba Delta-DVH Circuits, 16117 Leadwell Street, Van Nuys, CA 91406, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Dragon Circuits Inc. (CAGE Code: 5S424)**

Location: 1501 W. Shady Grove Road, Grand Prairie, TX 75050, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Dynamic and Proto Circuits, Inc. (CAGE Code: 38898)**

Location: 869 Barton Street, Stoney Creek, L8E 5G6, Ontario L8E 5G6, Canada

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Electro Plate Circuitry, Inc. (CAGE Code: 79616)**

Location: 1430 Century Drive, Carrollton, TX 75006, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Electrotek Corp. (CAGE Code: 66030)**

Location: 7745 S. 10th Street, Oak Creek, WI 53154, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Elreha Printed Circuits Corp. (CAGE Code: 59020)**

Location: 2510 Terminal Drive, S., St. Petersburg, FL 33712-1669, US

Plants:

1. Plant: Same Address as Manufacturer

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Eltek, Ltd. (CAGE Code: S4451)**

Location: P.O. Box 159, Sgoola Industrial Park, Petach-Tikva 49101, Israel

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Firan Technology Group (CAGE Code: L2665)**

Location: 250 Finchdene Square, Scarborough, M1X 1A5, Ontario, Canada

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Flexible Circuits, Inc. (CAGE Code: 22928)**

Location: 222 Valley Road, Warrington, PA 18976-2580, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: FTG Circuits, Inc. (CAGE Code: 30803)**

Location: 20750 Marilla Street, Chatsworth, CA 91311, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Gorilla Circuits (CAGE Code: 3C7D2)**

Location: 1145 Old Oakland Rd., San Jose, CA 95112, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Graphic Plc (CAGE Code: U4538)**

Location: Lords Meadow Industrial Estate, Crediton, Devon, EX17 1HN, UK

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Graphic Research, Inc. (CAGE Code: 5K529)**

Location: 9334 Mason Avenue, Chatsworth, CA 91311-5201, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Hamby Corporation (CAGE Code: 07284)**

Location: 27704 Avenue Scott, Valencia, CA 91355-1218, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Hans Brockstedt GmbH (CAGE Code: C4831)**

Location: Leiterplattenschnelldienst, Clara-Immerwahr-Strabe 7, 24145 Kiel, Germany

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Holaday Circuits, Inc. (CAGE Code: 59554)**

Location: 11126 Bren Road West, Minnetonka, MN 55343, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Hughes Circuits, Inc. (CAGE Code: 1KXU6)**

Location: 540 S. Pacific Street, San Marcos, CA 92078-4056, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: IMI, Inc. (CAGE Code: 78259)**

Location: 140 Hilldale Avenue, Haverhill, MA 01832-3830, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Integrated Technology, Ltd. (ITL) Circuits (CAGE Code: 38747)**

Location: 90 Don Park Road, Markham, On L3R 1C4, Canada

Plants:

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Integrated Technology, Ltd. (ITL) Circuits (CAGE Code: 38747)**

Location: 90 Don Park Road, Markham, On L3R 1C4, Canada

1. Plant: Same Address as Manufacturer

**Manufacturer: ISU Petasys (CAGE Code: 1WFH9)**

Location: 12930 Bradley St., Sylmar, CA 91342, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: ITO Industries Inc. (CAGE Code: 0NYL8)**

Location: 8433 197th Ave, Bristol, WI 53104, USA

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Johns Hopkins University (CAGE Code: 88898)**

Location: Applied Physics Laboratory (APL), 11100 Johns Hopkins Road, Laurel, MD 20723-6099, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: KCA Electronics, Inc. (CAGE Code: 1VUH8)**

Location: 223 N. Crescent Way, Anaheim, CA 92801, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Lazer-Tech, Ltd. (CAGE Code: 38748)**

Location: 33 Milford Drive, Unit 1, Scarborough, M1B 2G6, Ontario, Canada

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Lockheed Martin Mission Systems & Training (CAGE Code: 03640)**

Location: 1801 State Route 17-C, Owego, NY 13827, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Lone Star Circuits (CAGE Code: 04RV5)**

Location: 901 Hensley Drive, Wylie, TX 75098-4909, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Mass Design Inc. (CAGE Code: 35ZD0)**

Location: 41 Simon St., Nashua, NH 03060, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Metaplast Circuits, Ltd. (CAGE Code: 3AD63)**

Location: 180 Hymus Road, Scarborough, On M1L 2E1, Canada

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Micom Corp. (CAGE Code: 34076)**

Location: 475 NW Eighth Avenue, New Brighton, MN 55112, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Micropack, Ltd. (CAGE Code: SAL28)**

Location: Plot No. 16 Jigani Industrial Area, Anekal Taluk, Bangalore District 562 106, India

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Midwest Printed Circuit Services (CAGE Code: 0YYS4)**

Location: 1741 Circuit Drive, Round Lake Beach, IL 60073, US

Plants:

1. Plant: Same Address as Manufacturer

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Multicircuits, Inc. (CAGE Code: 1BQS8)**

Location: 2301 Universal Street, Oshkosh, WI 54904-9146, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Multilayer Technology-JVB Electronics (CAGE Code: 0JKV9)**

Location: 3835 W. Conflans Road, Irving, TX 75061, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Murrietta Circuits, Inc. (CAGE Code: 0EJD7)**

Location: 5000 E. Landon Drive, Anaheim, CA 92807, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Netvia Group, LLC (CAGE Code: 67370)**

Location: 230 Irby Lane, Irving, TX 75061-7046, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: OK Print Corp. (CAGE Code: SDR40)**

Location: 3-21-18 Higashi - Koigakubo, Kokubunji-Shi, Tokyo 185-0014, Japan

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Pho-Tronics, Inc. (CAGE Code: 79243)**

Location: 8701 West Bradley Road, Milwaukee, WI 53224-2817, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Pioneer Circuits, Inc. (CAGE Code: 65723)**

Location: 3000 S. Shannon Street, Santa Ana, CA 92704-6321, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: PNC, Inc. (CAGE Code: 66766)**

Location: 115 East Centre Street, Nutley, NJ 07110, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Printed Circuits, Inc (CAGE Code: 65114)**

Location: 1200 W 96th St, Bloomington, MN 55431-2699, USA

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Pro-Tech Interconnect Solutions LLC (CAGE Code: 3CP65)**

Location: 4300 Peavey Road, Chaska, MN 55318, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Prototron Circuits Southwest, Inc. (CAGE Code: 66108)**

Location: 3760 East 43rd Place, Tucson, AZ 85713, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Sanmina-SCI (Costa Mesa) (CAGE Code: 3BKL5)**

Location: 2945 Airway Avenue, Costa Mesa, CA 92626, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Sanmina-SCI (Owego) (CAGE Code: 4GZ84)**

Location: 1200 Taylor Road, Owego, NY 13827, US

Plants:

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Sanmina-SCI (Owego) (CAGE Code: 4GZ84)**

Location: 1200 Taylor Road, Owego, NY 13827, US

1. Plant: Same Address as Manufacturer

**Manufacturer: Sanmina-SCI (San Jose) (CAGE Code: 3DR67)**

Location: 2050 Bering Drive, San Jose, CA 95131, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Sierra Proto Express (CAGE Code: 0ZHS4)**

Location: 1108 W. Evelyn Avenue, Sunnyvale, CA 94086, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: South Coast Circuits (CAGE Code: 3CXW3)**

Location: 3506 W. Lake Center Drive, Suite A, Santa Ana, CA 92704, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Speedy Circuits, Inc. (CAGE Code: 66982)**

Location: 5331 McFadden Avenue, Huntington Beach, CA 92649-1204, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Streamline Circuits (CAGE Code: 3WUY3)**

Location: 1410 Martin Avenue, Santa Clara, CA 95050, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Thales Nederland B.V. (CAGE Code: H0203)**

Location: Department Bareboards and Substrates, Haaksbergerstraat 49, 7554RR Hengelo, The Netherlands

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: TTM Technologies (Santa Ana) (CAGE Code: 1WQ42)**

Location: 2630 South Harbor Boulevard, Santa Ana, CA 92704, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: TTM Technologies (Santa Clara) (CAGE Code: 65916)**

Location: Santa Clara Division, 407 Matthew Street, Santa Clara, CA 95050, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: TTM Technologies (Stafford) (CAGE Code: 5L706)**

Location: Stafford Division, P.O. Box 145, 4 Old Monson Road, Stafford, CT 06075, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: U.S. Circuit, Inc. (CAGE Code: 66483)**

Location: 1526 Sterling Court, Escondido, CA 92029, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Unicircuit, Inc. (CAGE Code: 66311)**

Location: 8192 Southpark Lane, Littleton, CO 80120, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Valley Syncom Circuits (CAGE Code: 8W955)**

Location: 24940 Avenue Tibbitts, Valencia, CA 91355-3426, US

Plants:

1. Plant: Same Address as Manufacturer

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Viasystems North America Operations, Inc - Anaheim (CAGE Code: 0BSG1)**

Location: Anaheim, 3140 East Coronado Street, Anaheim, CA 92806, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Viasystems Technologies Corp., LLC - Cleveland (CAGE Code: 7Z463)**

Location: Cleveland Division, 7 Ascot Parkway, Cuyahoga Falls, OH 44223, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Viasystems Technologies Corp., LLC - Denver (CAGE Code: 75815)**

Location: Denver Division, 10570 Bradford Road, Littleton, CO 80127-4211, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Viasystems Technologies Corp., LLC - Milpitas (CAGE Code: 0SFV5)**

Location: Milpitas Division, 1992 Tarob Court, Milpitas, CA 95035, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Viasystems Technologies Corp., LLC - North Jackson (CAGE Code: 0GN71)**

Location: North Jackson Division, P.O. Box 216, 12080 DeBartolo Drive, North Jackson, OH 44451, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Viasystems Technologies Corp., LLC - San Jose (CAGE Code: 0MHG5)**

Location: 355 Turtle Creek Court, San Jose, CA 95125-1316, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Viasystems Technologies Corp., LLC - Sterling (CAGE Code: 0K703)**

Location: Sterling Division, 1200 Severn Way, Sterling, VA 20166-8904, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Viasystems Technologies Corp., LLC - Toronto (CAGE Code: 3AF82)**

Location: Toronto Division, 8150 Sheppard Avenue East, Scarborough, Ontario M1B 5K2, Canada

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Westak of Oregon (CAGE Code: 65745)**

Location: 3941 24th Avenue, Forest Grove, OR 97116, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: WR-ALC/MAIPL (CAGE Code: 0RCH2)**

Location: Avionics Management Directorate Production Div., 380 2nd Street, Suite 104, Robins AFB, GA 31098-1638, US

Plants:

1. Plant: Same Address as Manufacturer