

**DLA Land and Maritime - VQ**  
**Supplemental Information Sheet for Electronic QPL-50884**

**Specification Details:**

**Date: 2/15/2024**

Specification: MIL-P-50884  
Title: Printed Wiring, Flexible and Rigid-Flex  
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: 614-692-9508, e-mail: vqe.kp@dla.mil

**Notes:**

Effective 28 February 1999, MIL-P-50884 has been declared "Inactive for New Design". For new design, use MIL-PRF-31032. This is applicable on all acquisitions to which MIL-P-50884 is applied.

Extent of Qualification Paragraph 4.5.3 of MIL-P-50884 extends qualification for a particular type to cover all conductor patterns of that type produced. Qualification of type 4 products shall be extended to cover all other types. Qualification of type 3 products shall be extended to cover types 2 and 1. Qualification of type 2 products shall be extended to cover type 1. Qualification of types 1 and 5 shall apply only to that type. Qualification of any type shall be extended to cover the approved type with a stiffener or solder mask.

- a. The last six digits of the Qualification Reference Number (QRN) is the qualification expiration date in "mmddyy" format (e.g., 50884-1234-042211 expires on April 22, 2011).
- b. An asterisk (\*) adjacent to the QRN denotes the product was tested for and meets the etchback requirements.
- c. An exclamation (!) adjacent to the QRN denotes qualification through Appendix B of MIL-P-50884. 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.
- e. Adhesiveless products tested and manufactured with metal-clad dielectric are covered under slash sheet(s) other than /1 through /4 of IPC-4204.

**Part Configuration:**

Listed by classification type and either adhesive or adhesiveless construction.

J

**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>TYPE 3 ADHESIVELESS</b>                   |                                                                     | <b>TYPE 4 ADHESIVELESS</b>                   |                                                                     |
| All Flex Solutions, Inc. (Northfield)        | 50884-31032!                                                        | Amphenol Printed Circuits                    | 50884-31032!*                                                       |
| Compunetics Inc.                             | 50884-31032!*                                                       | Cirexx International, Inc.                   | 50884-31032!*#                                                      |
| <b>TYPE 3 WITH ADHESIVES</b>                 |                                                                     | Cirtech, Inc.                                | 50884-31032!                                                        |
| All Flex Solutions, Inc. (Northfield)        | 50884-31032!                                                        | Firan Technology Group Circuits              | 50884-31032! (Use A Only)                                           |
| Amphenol Printed Circuits                    | 50884-31032!*                                                       | Flexible Circuits Inc.                       | 55084-31032#                                                        |
| Lockheed Martin Mission Systems and Training | 50884-31032!*                                                       | FTG Circuits Fredericksburg Inc.             | 50884-31032                                                         |
| <b>TYPE 4 ADHESIVELESS</b>                   |                                                                     | FTG Circuits Inc. - Chatsworth               | 50884-31032!* (Use A Only)                                          |
| Accurate Engineering Inc.                    | 50884-31032                                                         | KCA Electronics, Inc                         | 50884-31032!*# (Use A Only)                                         |
| Airborn Flexible Circuits, Inc.              | 50884-31032*#                                                       | Lockheed Martin Mission Systems and Training | 50884-31032!*                                                       |
| All Flex Solutions, Inc. (Bloomington)       | 50884-31032! (Use A Only)                                           | Micropack Limited                            | 50884-31032*                                                        |
| American Standard Circuits                   | 50884-31032!*# (Use A Only)                                         | Midwest Printed Circuit Services             | 50884-31032!                                                        |

**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) |
|-------------------------------------------|---------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------|
|-------------------------------------------|---------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------|

**TYPE 4 ADHESIVELESS**

|                                        |               |
|----------------------------------------|---------------|
| Pioneer Circuits, Inc.                 | 50884-31032!# |
| TTM Technologies, Inc. (Forest Grove)  | 50884-31032!* |
| TTM Technologies, Inc. (North Jackson) | 50884-31032!* |
| TTM Technologies, Inc. (Stafford)      | 50884-31032!* |

**TYPE 4 WITH ADHESIVES**

|                                        |                               |
|----------------------------------------|-------------------------------|
| Airborn Flexible Circuits, Inc.        | 50884-31032*                  |
| Cirexx International, Inc.             | 50884-31032!*                 |
| Colonial Circuits, Inc.                | 50884-31032!* (Use A<br>Only) |
| FTG Circuits Inc. - Chatsworth         | 50884-31032!* (Use A<br>Only) |
| Pioneer Circuits, Inc.                 | 50884-31032!#                 |
| TTM Technologies, Inc. (North Jackson) | 50884-31032!*                 |
| TTM Technologies, Inc. (Stafford)      | 50884-31032!*                 |

---

**Manufacturer and Supplier Location Information**

---

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

Location: 8710 Telfair Ave, Sun Valley, CA 91352, USA

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Airborn Flexible Circuits, Inc. (CAGE Code: 38661)**

Location: 11 Dohme Avenue, Toronto, M4B 1Y7, Ontario, Canada

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: All Flex Solutions, Inc. (Bloomington) (CAGE Code: 65114)**

Location: 1200 West 96th Street, Bloomington, MN 55431, USA

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: All Flex Solutions, Inc. (Northfield) (CAGE Code: 0ZGB2)**

Location: 1705 Cannon Lane, Northfield, MN 55057-3605, USA

Plants:

1. Plant: Same Address as Manufacturer

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

Location: 475 Industrial Drive, West Chicago, IL 60185, 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: 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 Ave., Orange, CA 92865-3303,

Plants:

1. Plant: Same Address as Manufacturer

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

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

Assembly Plants:

1. AssemblyPlant: Same Address as Manufacturer

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,

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: FTG Circuits Fredericksburg Inc. (CAGE Code: 6T499)**

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

Plants:

1. Plant: Same Address as Manufacturer

---

**Manufacturer and Supplier Location Information**

---

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

Location: 20750 Marilla Street, Chatsworth, CA 91311, 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: Lockheed Martin Mission Systems & Training (CAGE Code: 03640)**

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

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Micropack Limited (CAGE Code: 0436Y)**

Location: Plot#16, Jigani Industrial Area,, Bangalore, 562106, 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

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

Location: 1410 Martin Ave., Santa Clara, CA 95050, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: TTM Technologies, Inc. (Forest Grove) (CAGE Code: 01KV9)**

Location: 1521 Poplar Lane, Forest Grove, OR 97116-2033,

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: TTM Technologies, Inc. (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: TTM Technologies, Inc. (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