

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

**Specification Details:**

**Date:** 8/31/2017

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: 614-692-0627, e-mail: vqe.ls@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.

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**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 1 WITH ADHESIVES</b>               |                                                                     | <b>TYPE 4 ADHESIVELESS</b>                |                                                                     |
| FTG Circuits, Inc.                         | 50884-31032! (USE A Only)                                           | American Standard Circuits                | 50884-31032!## (Use A Only)                                         |
| KCA Electronics, Inc.                      | 50884-31032!                                                        | Amphenol Printed Circuits                 | 50884-31032!*                                                       |
| <b>TYPE 2 WITH ADHESIVES</b>               |                                                                     | CIMULEC                                   | 50884-3739-122817#                                                  |
| All Flex, Inc.                             | 50884-3522-030118                                                   | Cirexx International, Inc.                | 55110-31032!##                                                      |
| Hans Brockstedt GmbH                       | 50884-31032!                                                        | Coast to Coast Circuits, Inc.             | 50884-31032!##                                                      |
| <b>TYPE 3 ADHESIVELESS</b>                 |                                                                     | Colonial Circuits, Inc.                   | 50884-31032!* (USE A Only)                                          |
| Compunetics, Inc.                          | 50884-31032!*                                                       | Cosmotronic                               | 50884-31032!*                                                       |
| <b>TYPE 3 WITH ADHESIVES</b>               |                                                                     | Firan Technology Group                    | 50884-31032! (Use A Only)                                           |
| Amphenol Printed Circuits                  | 50884-31032!*                                                       | Flexible Circuits, Inc.                   | 50884-3473-093018*                                                  |
| Lockheed Martin Mission Systems & Training | 50884-31032!*                                                       | FTG Circuits, Inc.                        | 50884-31032!## (Use A Only)                                         |
| <b>TYPE 4 ADHESIVELESS</b>                 |                                                                     | Hamby Corporation                         | 50884-31032!##                                                      |
| Airborn Flexible Circuits, Inc.            | 50884-31032*#                                                       |                                           |                                                                     |

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|-------------------------------------------|---------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------|
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## **TYPE 4 ADHESIVELESS**

|                                                    |                             |
|----------------------------------------------------|-----------------------------|
| Hans Brockstedt GmbH                               | 50884-31032!*#              |
| KCA Electronics, Inc.                              | 50884-31032!*# (Use A Only) |
| Lockheed Martin Mission Systems & Training         | 50884-31032!*               |
| Micropack Limited                                  | 50884-31032*                |
| Midwest Printed Circuit Services                   | 50884-31032!                |
| Pioneer Circuits, Inc.                             | 50884-31032!*#              |
| Printed Circuits, Inc.                             | 50884-31032!*               |
| TTM Technologies (Santa Clara, CA)                 | 50884-31032!*               |
| TTM Technologies (Stafford, CT)                    | 50884-31032!*               |
| Viasystems Technologies Corp., LLC - North Jackson | 50884-31032!*               |

## **TYPE 4 WITH ADHESIVES**

|                                                    |                            |
|----------------------------------------------------|----------------------------|
| Airborn Flexible Circuits, Inc.                    | 50884-31032*               |
| Cirexx International, Inc.                         | 50884-31032!*              |
| Colonial Circuits, Inc.                            | 50884-31032!* (USE A Only) |
| Cosmotronic                                        | 50884-31032!*              |
| Flexible Circuits, Inc.                            | 50884-4125-093018*#        |
| Hamby Corporation                                  | 50884-31032!*#             |
| Pioneer Circuits, Inc.                             | 50884-31032!*#             |
| TTM Technologies (Santa Clara, CA)                 | 50884-31032!*              |
| TTM Technologies (Stafford, CT)                    | 50884-31032!*              |
| Viasystems Technologies Corp., LLC - North Jackson | 50884-31032!*              |

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**Manufacturer and Supplier Location Information**

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**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, Inc. (CAGE Code: 0ZGB2)**

Location: All Flex Flexible Circuits, LLC dba All Flex, Inc., 1705 Cannon Lane, Northfield, MN 55057, US

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: CIMULEC (CAGE Code: 0YWU1)**

Location: Zone Industrielle Les Jonquieres, 57365 Ennery, France

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: Coast to Coast Circuits, Inc. (CAGE Code: 66982)**

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

Plants:

1. Plant: Same Address as Manufacturer

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

Location: 1026 Warrenton 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

Assembly Plants:

1. AssemblyPlant: Same Address as Manufacturer

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: 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

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**Manufacturer and Supplier Location Information**

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

Location: 20750 Marilla Street, Chatsworth, CA 91311, 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: Lieterplattenschnelldienst, Clara-Immerwahr-Strabe 7, 24145 Kiel, Germany

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: SAL28)**

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

Location: 1200 West 96th Street, Bloomington, MN 55431-2606, US

Plants:

1. Plant: Same Address as Manufacturer

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

Location: Santa Clara Division, 407 Mathew 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: 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