

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

Date: 3/18/2013

Specification Details:

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 "mmdyy" 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 (ADDRESS ON LAST PAGE)	QUALIFICATION REFERENCE NUMBER AND EXPIRATION DATE (MM/DD/YY)	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)	QUALIFICATION REFERENCE NUMBER AND EXPIRATION DATE (MM/DD/YY)
TYPE 1 WITH ADHESIVES		TYPE 4 ADHESIVELESS	
KCA Electronics, Inc.	50884-31032!	Accurate Engineering Corp.	50884-3163-041914*#
TYPE 2 ADHESIVELESS		Airborn Flexible Circuits, Inc.	50884-31032*#
All Flex, Inc.	50884-3412-060515 (Use A only)	Amphenol Printed Circuits	50884-31032!*
Cirexx International, Inc.	55110-31032!*#	Basic Electronics, Inc.	50884-3599-031416
RACAAR Circuit Industries, Inc.	50884-3481-073115	Career Technologies	50884-3386-071915*
TYPE 2 WITH ADHESIVES		CIMULEC	50884-2757-062913
All Flex, Inc.	50884-3522-110715	Cosmotronic	50884-31032!*
Cirexx International, Inc.	55110-31032!*#	DDi Cleveland Corp.	50884-31032!*
Hans Brockstedt GmbH	50884-31032!	DDi North Jackson Corp.	50884-31032!*
TYPE 3 WITH ADHESIVES		Eltek, Ltd.	50884-IL0609-061113
Amphenol Printed Circuits	50884-31032!*	Flexible Circuits, Inc.	50884-3473-112815*
		FTG Circuits, Inc.	50884-3233-070614*
		Graphic Research, Inc.	50884-3729-022816*
		Hamby Corporation	50884-31032!*#

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TYPE 4 ADHESIVELESS

Hans Brockstedt GmbH	50884-31032!*
HEI, Inc.	50884-2704-030513#
Johns Hopkins University	50884-3034-112913
KCA Electronics, Inc.	50884-31032!# (Use A Only)
Lockheed Martin Systems Integration	50884-31032!*
Micropack Limited	50884-3416-110115
Molex Inc. Copper Flex Products	50884-3441-120415*
Moog Components Group Galax	50884-2766-051113
PCB Technologies, Ltd.	50884-IL0209-040613*
Pioneer Circuits, Inc.	50884-31032!#
Printed Circuits, Inc.	50884-31032!*
Speedy Circuits	50884-50884-31032!#
Teledyne Printed Circuit Technology	50884-3421-030115* (Use A only)
TTM Technologies (Santa Clara, CA)	50884-31032!*
TTM Technologies (Stafford, CT)	50884-31032!*

TYPE 4 WITH ADHESIVES

Airborn Flexible Circuits, Inc.	50884-31032*
Basic Electronics, Inc.	50884-3112-111614*
Colonial Circuits, Inc.	50884-31032!*
Cosmotronic	50884-31032!*
DDi Cleveland Corp.	50884-31032!*
DDi North Jackson Corp.	50884-31032!*
Flexible Circuits, Inc.	50884-3063-122014*
Graphic Research, Inc.	50884-3199-051314*
Hamby Corporation	50884-31032!#
Lockheed Martin Systems Integration	50884-31032!*
Pioneer Circuits, Inc.	50884-31032!#
Teledyne Printed Circuit Technology	50884-3420-030115* (Use A only)
TTM Technologies (Santa Clara, CA)	50884-31032!*
TTM Technologies (Stafford, CT)	50884-31032!*
Vulcan Flex Circuit Corporation	50884-3438-042415*

Manufacturer and Supplier Location Information

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

Location: 8710 Telfair Avenue, Sun Valley, CA 91352, US

Plants:

1. Plant: Same Address as Manufacturer

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

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

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: Amphenol Printed Circuits (CAGE Code: 57034)

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

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: Basic Electronics, Inc. (CAGE Code: 57357)

Location: 11371 Monarch Street, Garden Grove, CA 92841, US

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: Career Technologies (CAGE Code: 34FS3)

Location: North America Division, 18634 Parthenia Street, Northridge, CA 91324, US

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: CIMULEC (CAGE Code: 0YWU1)

Location: Zone Industrielle Les Jonquires, F-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: Colonial Circuits, Inc. (CAGE Code: 6T499)

Location: 1026 Warrenton Road, Fredericksburg, VA 22406-6200, 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: DDi Cleveland Corp. (CAGE Code: 7Z463)

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

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: DDi North Jackson Corp. (CAGE Code: 0GN71)

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

Plants:

1. Plant: Same Address as Manufacturer

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

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

Manufacturer and Supplier Location Information

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: 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: 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: Lieterplattenschnelldienst, Clara-Immerwahr-Strabe 7, 24145 Kiel, Germany

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: HEI, Inc. (CAGE Code: 5A0C8)

Location: High Density Interconnect Division, 610 South Rockford Drive, Tempe, AZ 85281, US

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: Lockheed Martin Systems Integration (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: Molex Inc. Copper Flex Products (CAGE Code: 58852)

Location: 22 Empire Dr., Saint Paul, MN 55103,

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: Moog Components Group Galax (CAGE Code: 1VDA7)

Location: 115 Jack Guyann Drive, Galax, VA 24333, US

Plants:

Manufacturer and Supplier Location Information

Manufacturer: Moog Components Group Galax (CAGE Code: 1VDA7)

Location: 115 Jack Guynn Drive, Galax, VA 24333, US

1. Plant: Same Address as Manufacturer

Manufacturer: PCB Technologies, Ltd. (CAGE Code: S5725)

Location: P.O. Box 631, Migdal, Haemek, 10556, Israel

Plants:

1. Plant: Same Address as Manufacturer

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

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

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: Printca Denmark A-S (CAGE Code: R7016)

Location: Svendborgvej 3, 9220 Aalborg Oest, Denmark

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: RACAAR Circuit Industries, Inc. (CAGE Code: 58521)

Location: 9225-F Alabama Avenue, Chatsworth, CA 91311, 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: Strataflex Corp. (CAGE Code: 65337)

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

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: Teledyne Printed Circuit Technology (CAGE Code: 22958)

Location: 110 Lowell Road, Hudson, NH 03051, US

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: TTM Technologies (Santa Clara, CA) (CAGE Code: 65916)

Location: Santa Clara Division, 400 Mathew Street, Santa Clara, CA 95050, US

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: TTM Technologies (Stafford, CT) (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: Vulcan Flex Circuit Corporation (CAGE Code: 4CHZ1)

Location: 6 George Avenue, Londonderry, NH 03053, US

Plants:

1. Plant: Same Address as Manufacturer