

QUALIFIED PRODUCTS LIST
OF
PRODUCTS QUALIFIED UNDER MILITARY SPECIFICATION
MIL-P-50884
PRINTED WIRING, FLEXIBLE AND RIGID-FLEX
GENERAL SPECIFICATION FOR

This list has been prepared for use by or for the Government in the acquisition of Printed Wiring, Flexible, to the performance requirements of Specification MIL-P-50884. This listing is not intended to and does not connote endorsement by the Department of Defense. All manufacturers listed herein have been qualified under the requirements as specified in the latest effective issue of the applicable specification. This list is subject to change without notice; revision or amendment of this list will be issued as necessary. The listing of a product does not release the supplier from compliance with the specification requirements.

THE ACTIVITY RESPONSIBLE FOR THIS QPL IS THE DEFENSE SUPPLY CENTER COLUMBUS (DSCC-VQ), COLUMBUS, OH 43216-5000, telephone (614) 692-0617.

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.

NOTES:

- The QPL format has been changed to separate the adhesive constructions from the adhesiveless constructions.
- The qualification expiration date is the last six digits of the QRN (e.g. mm/dd/yy).
- An asterisk (*) adjacent to the QRN denotes the product was tested for and meets the etchback requirements.
- A plus (+) adjacent to the QRN denotes that the product tested is manufactured with a flexible metal-clad dielectric covered under a slash sheet(s) other than /1 through /4 of IPC-FC-241. The procuring activity must contact the respective QPL manufacturer to insure that the material used in the manufacturer's process meets their drawing and purchase order requirements. The manufacturer shall be able to provide a Notification of Qualification letter(s) and other official QPL status letters which specify the alternate slash sheet(s) of IPC-FC-241 which may be used for military production.

MANUFACTURER'S NAME (ADDRESSES ON LAST PAGE)	QUALIFICATION REFERENCE NUMBER AND EXPIRATION DATE (MM/DD/YY)	MANUFACTURER'S NAME (ADDRESSES ON LAST PAGE)	QUALIFICATION REFERENCE NUMBER AND EXPIRATION DATE (MM/DD/YY)
TYPE 2		TYPE 4 WITH ADHESIVES	
Advanced Circuit Technology	50884-319-121998	Advance Circuit Systems	50884-223-042900*
Flexible Technology, Ltd.	50884-U018-011500	Advanced Flex, Inc.	50884-256-021400*
Graphico Electronics Group	50884-95518-031999	BC Electronics, Inc.	50884-128-050800*
Parlex Corp.	50884-347-011799	Basic Electronics, Inc.	50884-204-070299*
Sovereign Circuits, Inc.	50884-299-102499	Computing Devices Int'l.	50884-085-071000*

MANUFACTURER'S NAME (ADDRESSES ON LAST PAGE)	QUALIFICATION REFERENCE NUMBER AND EXPIRATION DATE (MM/DD/YY)	MANUFACTURER'S NAME (ADDRESSES ON LAST PAGE)	QUALIFICATION REFERENCE NUMBER AND EXPIRATION DATE (MM/DD/YY)
TYPE 4 WITH ADHESIVES		TYPE 4 ADHESIVELESS	
Cosmotronics Corp.	50884-143-101500*	Advance Circuit Systems	50884-224-051500*+
Dyconex, Ltd.	50884-009-072400	Allied Signal Substrate Tech Interconnect	50884-216-072599*+
Dynaco Acquisition Corp.	50884-113-032199*	Chung-Shan Institute of Science & Technology	50884-067-052899*+
Flex Technology, Inc.	50884-240-013001*	CIMULEC	50884-089-031598*+
Flex-Link Products, Inc.	50884-211-102800*	Computing Devices International	50884-086-061600*+
Flexible Circuits, Inc.	50884-052-060798*	Cosmotronics Corp.	50884-095-042698*+
Flextronic, Ltd.	50884-U017-080599	Dynaco Acquisition Corp.	50884-036-013001*+
Futura Circuits Corp.	50884-205-081800*	Eltek, ltd.	50884-IL004-111599*+
Graphic Research, Inc.	50884-168-063098*	Flexible Circuits, Inc.	50884-295-102300*+
Hamby Corp.	50884-217-061598* 50884-218-011999*	Graphic Research, Inc.	50884-121-060200*+
Hans Brockstedt GmbH & Co.	50884-ZL5/96-062599*	Hamby Corp.	50884-218-011999*+
Hughes Missile Systems Co.	50884-045-061800	Johns Hopkins University	50884-331-012400*+
Lockheed Martin	50884-199-022998*	Lockheed Martin	50884-123-082997*+
Lockheed Martin-Vought Systems	50884-059-021900*	McDonald's Technologies Int'l.	50884-024-011198*+
Minco Products, Inc.	50884-092-080899*	Multi Fineline Electronix, Inc.	50884-201-062397*+
Mommers Print Service, B.V.	50884-071-061498*	P.C.B., Ltd.	50884-001-070700*+
Multiflex, Inc.	50884-127-070200	Packard Hughes, Inc.	50884-114-050600*+
Northrop Gruman Corp.	50884-303-012801	Parlex Corp.	50884-281-082000*+
P.C.B., Ltd.	50884-063-062599*	Pentadyne/Pentaflex, Inc.	50884-259-121598*+
Packard-Hughes, Inc.	50884-297-102899*	Pioneer Circuits, Inc.	50884-035-012701*+
Parlex Corp.	50884-039-030901*	Printca A/S	50884-031-061799*+
Pentadyne/Pentaflex, Inc.	50884-262-102499*	Printed Circuits, Inc.	50884-180-101700*+
Pioneer Circuits, Inc.	50884-034-012101*	Raytheon Co.	50884-241-031300*+
Printed Circuits, Inc.	50884-407-032398*	Raytheon TI Systems	50884-062-030901*+
Proto Circuit, Inc.	50884-306-103000	Rigiflex Technology, Inc.	50884-242-090499*+
Proto Systems of Atlanta	50884-237-110197	Sovereign Circuits, Inc.	50884-002-111499*+
Raytheon Co.	50884-197-072498	Speedy Circuits	50884-042-031301*+
Raytheon TI Systems	50884-055-011300*	Strataflex Canada Corp.	50884-95504-090598*+
Ruwel-Werke/Werk Schoeller	50884-Z12/95-101298*	Tyco Printed Circuits Group	50884-017-021900*+
Sovereign Circuits	50884-037-042800*		
Starflex, Inc.	50884-138-072800*	TYPES 1 & 5 ONLY	
Teledyne Electronic Tech.	50884-010-120499*	Advanced Circuit Technology	50884-251-093000
Tyco Printed Circuits Group	50884-177-102599*	Labarge Electronics	50884-171-052100

PART II

The products listed herein are reciprocal based on the NATO Standardization Agreement (STANAG) 4093 or International Standardization Agreements.

The foreign-made products listed in Part II of this QPL have been certified by the authorized inspectorate of the foreign government and by the manufacturer, to be manufactured, tested and qualified in conformance with the applicable foreign specification identified with each product. The products listed in Part II are generally suitable for the function applications ascribed to the U.S.-specified products listed in Part I of the QPL; however, the functional performance limits, reliability and other design characteristics of the products listed in Part II may differ somewhat from those of the U.S.-specified products listed in Part I of the QPL. User agencies, industrial equipment designers, and manufacturers are wholly responsible for examining and evaluating the applicable foreign specifications, design data and product qualification test data to determine the technical suitability of the functional performance characteristics of those products for use in components and equipment specified under U.S. Department of Defense procurement contracts. Products listed in Part II of this QPL should not be selected for use in equipment or systems that are beyond the prototype design and development phase.

NATIONAL DEVICE DESIGNATION	TEST REPORT/ REFERENCE NUMBER	NATIONAL QPL	MANUFACTURER'S NAME AND ADDRESS
Type 4	FTB 003/01 Pt. 2	BS-9764-9765-9766	Flexible Technology, Ltd. Townhead Townhead, Rothesay Isle of Bute, PA20 9JH United Kingdom CAGE CODE: 0HHP1

MANUFACTURER'S NAME, ADDRESS AND PLANT	CAGE CODE	MANUFACTURER'S NAME, ADDRESS AND PLANT	CAGE CODE
Advance Circuit Systems, Inc. 174 North Main Street Franklin, NH 03235-1020 Plant: Same Address	0ASS4	Dynaco Acquisition Corp. 1000 South Priest Drive Tempe, AZ 85281-5238 Plant: Same Address	61642
Advanced Circuit Technology 118 Northeastern Boulevard Nashua, NH 03062-0547 Plant: Same Address	57034	Eltek, Ltd. P.O. Box 159 Sgoola Industrial Zone 49101 Petach Tikva Israel Plant: Drezner Street 4 Petach Tikva, Israel	S4451
Advanced Flex 2, Inc. 4300 Peavey Road Chaska, MN 55318 Plant: Same Address		Flex Technology, Inc. 2 Industrial Drive Hudson, NH 03051 Plant: Same Address	
Allied Signal Substrate Tech Interconnect 2950 Red Hill Road Costa Mesa, CA 92626-5935 Plant: Same Address	4F972	Flex-Link Products, Inc. 599 Fourth Street San Fernando, CA 91340-2521 Plant: Same Address	6Z867
Automated Systems, Inc. 1505 Commerce Avenue Brookfield, WI 53045-5290 Plant: Same Address	9F469	Flexible Circuits, Inc. Paul Valley Industrial Park Warrington, PA 18976-2580 Plant: Same Address	22928
BC Electronics 2500 East Shady Grove Road Irving, TX 75060-4689 Plant: Same Address	0PGN6	Flexible Technology, Ltd. Townhead, Rothesay Isle of Bute, PA20 9JH United Kingdom Plant: Same Address	
Basic Electronics, Inc. 11762 Western Avenue, Unit 0 Stanton, CA 90680-3489 Plant: Same Address	57357	Flextronic, Ltd. Terminus Road, Chichester West Sussex, PO19 2UA England Plant: Same Address	0UH63
CIMULEC Z.I. Les Jonquieres F-57365 Ennery France Plant: Same Address		Futura Circuits Corp. 11950 28th Street, N. St. Petersburg, FL 33716-1816 Plant: Same Address	0CA49
Computing Devices International Government Systems Division 3101 East 80th Street Bloomington, MN 55425-1640 Plant: Same Address	27963	General Components, Inc. 7425 124th Avenue, N. Largo, FL 34643-3095 Plant: Same Address	61542
Cosmotronics Corp. 16721 Noyes Avenue Irvine, CA 92714-5176 Plant: Same Address	63695	Graphic Electronics, Ltd. Lords Meadow Industrial Estate Crediton, Devon EX17 1HN England Plant: Same Address	U4538
Dyconex, Ltd. Schaffhauserstrasse 580 CH-8052 Zurich Switzerland Plant: Same Address	0S3N4	Graphic Research, Inc. 9334 Mason Avenue Chatsworth, CA 91311-5201 Plant: Same Address	5K529

MANUFACTURER'S NAME, ADDRESS AND PLANT	CAGE CODE	MANUFACTURER'S NAME, ADDRESS AND PLANT	CAGE CODE
Graphic Research Proto Shop Facility 9420 Lurline, Building B, Unit F Chatsworth, CA 91311-5201 Plant: Same Address		Mommers Print Service Peutenweg 2 6101 VZ Echt/Holland The Netherlands Plant: Same Address	41849
Graphico Electronics Group 1100 Bellamy Road Scarborough, Ontario M1H 1H2 Canada Plant: Same Address	37442	Multi Fineline Electronix, Inc. 1301 N. Dynamics Street Anaheim, CA 92806-1901 Plant: Same Address	43181
Hamby Corporation 27704 Avenue Scott Valencia, CA 91355-1218 Plant: Same Address	07284	Multiflex, Inc. 5400 Opportunity Court Minnetonka, MN 55343-9998 Plant: Same Address	6U461
Hans Brockstedt GmbH Lieterplattenschnelldienst Kieler Strabe 120 24119 Kronshagen/Kiel Germany Plant: Same Address	C4831	Northrop Gruman Corp. Defense Systems Division 600 Hicks Road Rolling Meadows, IL 60008-1098 Plant: Same Address	17920
Hughes Missile Systems Co. Mail Stop B-4 P.O. Box 11337, Bldg. 801 Tucson, AZ 85734-1337 Plant: Bldg. 810	15090	P.C.B., Ltd. P.O. Box 631 Migdal Haemek, 10556, Israel Plant: Same Address	S5725
Johns Hopkins University Applied Physics Laboratory Johns Hopkins Road Laurel, MD 20723-6099 Plant: Same Address		Packard-Hughes Interconnect 17150 Von Karman Avenue Irvine, CA 92614-9998 Plant: Same Address	53669
Labarge Electronics 1505 Maiden Lane Joplin, MO 64801-3819 Plant: Same Address	16275	Parlex Corp. 145 Milk Street Methuen, MA 01844-4699 Plant: Same Address	18377
Lockheed Martin 498 Oak Road Ocala, FL 34472-3001 Plant: Same Address	04939	Pentadyne/Pentaflex, Inc. 711 Fee Ana Street Placentia, CA 92670-2108 Plant: Same Address	0H0H9
Lockheed Martin Vought Systems P.O. Box 650003, M/S L01-54 Dallas, TX 75265-0003 Plant: 1701 W. Marshall Street Grand Prairie, TX 75051-2704	64059	Pioneer Circuits, Inc. 3010 S. Shannon Street Santa Ana, CA 92704-6387 Plant: Same Address	65723
McDonald's Technologies Int'l., Inc. 2012 15th Avenue Fort Worth, TX 76102-4396 Plant: Same Address	56874	Printca A/S Svendborgvej 3, Aalborg, Ost Denmark Plant: Same Address	
Minco Products Company 7300 Commerce Lane Minneapolis, MN 55432-3177 Plant: Same Address	09359	Printed Circuits, Inc. 1200 West 96th Street Minneapolis, MN 55431-2606 Plant: Same Address	65114
		Proto Circuit, Inc. 2035 Midway Drive Twinsburg, OH 44087-1933 Plant: Same Address	7Z463

MANUFACTURER'S NAME, ADDRESS AND PLANT	CAGE CODE	MANUFACTURER'S NAME, ADDRESS AND PLANT	CAGE CODE
Proto Systems of Atlanta, Inc. 625 Sims Industrial Boulevard Alpharetta, GA 30201-2044 Plant: Same Address	7U718	Tyco Printed Circuit Group Manchester Division P.O. Box 60 50 Harrison Street Manchester, CT 06040-0060 Plant: Same Address	65416
Raytheon Company 350 Lowell Street Andover, MA 01810-4499 Plant: Same Address	05030		
Raytheon TI Systems P.O. Box 149149 12501 Research Blvd., MS 2066 Austin, TX 78714-9149 Plant: Same Address	96214		
Rigiflex Technology, Inc. 3310 W. Harvard Street Santa Ana, CA 92704-3920 Plant: Same Address	0XBX9		
Ruwel Werke Spezialfabrik Furleiterplatten, Werk Schoeller Marburger Strasse 65 D-35083 Wetter/Hassen Germany Plant: Same Address	C2877		
Sovereign Circuits, Inc. P.O. Box 216 North Jackson, OH 44451-0216 Plant: 12080 DeBartolo Drive North Jackson, OH 44451	0GN71		
Speedy Circuits Division of PJC Technologies, Inc. 5332 Commercial Drive Huntington Beach, CA 92649-1252 Plant: Same Address	66982		
Starflex, Inc. 52 Meadowcroft Street Lowell, MA 01852-9998 Plant: 2 Avco Road Ward Hill, MA 01835-9998	07EU8		
Strataflex Canada Corp. Division of Strataflex Corp. 11 Dohme Avenue Toronto, Ontario, Canada M4B 1Y7 Plant: Same Address	38661		
Teledyne Electronic Technologies 110 Lowell Road, P.O. Box 68 Hudson, NH 03051-0068 Plant: Same Address	22958		