LOCKHEED MARTIN

Aeronautical Systems
FSCM 81755

FQPL-3024-10
Date: 27 January 2011
Superseding: FQPL-3024-9



FORT WORTH QUALIFIED PRODUCTS LIST FOR FPS-3024

Contract Number: F33657-88-C-0037

Distribution Statement D. Distribution authorized to DoD and U.S. DoD contractors only, Administrative and Operational, 15 February 2011. Other requests for this document shall be referred to OO-ALC/GHBE (F-16 SPO), Hill AFB, 84056.

WARNING--This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. 2751 et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., App. 2401, et seq. Violation of these export-control laws is subject to severe criminal penalties. Dissemination of this document is controlled under DoD Directive 5230.25.

DESTRUCTION NOTICE: Follow the procedures in DoD 5220.22-M, National Industrial Security Program Operating Manual (NISPOM), section 5-705, or DoD 5200.1-R, Information Security Program, Chapter VI. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

Copyright© 2011 Lockheed Martin Corporation

LOCKHEED MARTIN

Aeronautical Systems
FSCM 81755

FQPL-3024-10
Date: 27 January 2011
Superseding: FQPL-3024-9

FORT WORTH QUALIFIED PRODUCTS LIST FOR FPS-3024

To be used in conjunction with the latest issue of Lockheed Martin Aeronautical Systems (LM Aero), Specification FPS-3024, "Electrical Bonding Requirements for F-16 Air Combat Fighter." This qualified products list shall become effective on the date of issue. Unless otherwise specified herein, products procured from a source previously listed on earlier issues may be used to depletion. Future orders shall be from currently approved sources listed below.

Changes this revision:

1. This change adds 16MTE42123 meter back to the list of milli-ohmmeters that may be used to verify all types of electrical bonds.

2. This change adds Extech 380560 meter.

The following milli-ohmmeters have been approved by Lockheed Martin to verify all types of electrical bonds:

COMPANY	MANUFACTURER DESIGNATION	Approved
Ateliers R. Laumonier Nesles-la-Vallee France	Digitohm LJ 6100A	January 2007
Biddle DLRO	247000 Series	March 2001
Chauvin-Arnoux Group Paris, France	CA10 Microhmmeter	June 2007
Cropico Croydon United Kingdom	Portable Digital Microhmmeter D07	August 2006
Extech Instruments Waltham, MA	EXTECH 380560	January 2011
Guerpillon	Milliohmmeter Type 498M	March 2001
	Milliohmmeter Type Digitohm 1998	March 2001
Hewlett Packard Santa Clara, CA	Milliohmmeter Model 498M	March 2001
Keithley	Model 580	October 2001
	Model 196 4 wire	March 2003
	Model 2010 See Note 1	August 2005
	Model 2400 See Note 1	August 2005
LM Aero Fort Worth, Texas	16MTE42123 See Note 2	See FPS-3024 revision D and prior revisions.

Table continued on next page.

COMPANY	MANUFACTURER DESIGNATION	Approved
Megger Limited Dallas, Texas	DLRO 10 Digital Microhmmeter	July 2009
	DLRO 10X Digital Microhmmeter	
Shallcross Pine Level, NC	Type 670A	March 2001
	Type 673D	March 2001
Simpson	Model 444	February 2002

Notes:
1. The noted meters are qualified for use only when used as a 4 wire device.
2. These meters are support equipment manufactured by General Dynamics Fort Worth. There have been several changes to corporate structure and ownership since the meters were manufactured. The source of the meters is understood to be from the legacy corporate structure. The meters are approved for continuing use. Future availability of new 16MTE42123 meters from LM Aero is not assured.

The following Volt-Ohm meters have been approved by LM Aero to verify bonds with an allowed resistance of 0.5 and 0.2 Ohm only:

COMPANY	MANUFACTURER DESIGNATION	Approved
Simpson	Model 260	March 2001
Triplett	Model 630	March 2001
Electro Scientific Industries	Digital Ohmeter 1700/1701/1705 (SP 2523 probes)	March 2001
Keithley	Model 69	October 2001

LOCKHEED MARTIN

Aeronautical Systems
FSCM 81755

FQPL-3024-10
Date: 27 January 2011
Superseding: FQPL-3024-9

The following materials may be used to prepare surfaces for electrical bonding:

COMPANY	MANUFACTURER DESIGNATION	Approved
Berol Rapidesign Leeds, MA	Klenzo 533T eraser	March 2001
Available from L M Aero main tooling store	C-17203 tooling system	March 2001

Prepared By:

Ginna Walters

Ginna Walters
F-16 Stress Analysis,
Finite Element Analysis,
and Materials and Processes

Approved By:

1/31/11

M. S. Edghill
Chief Structures Engineer
F-16 Product Development Team