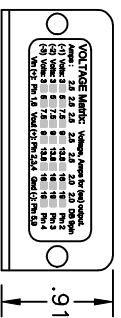
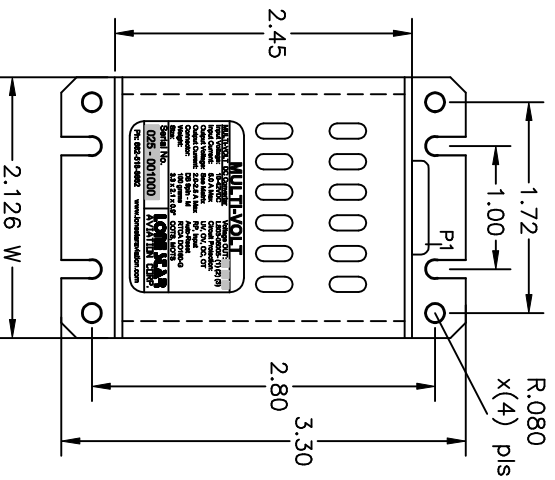
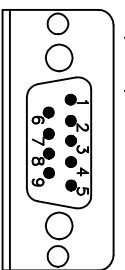


Lone Star Aviation Corp.
604 S. Wisteria Street
Mansfield, Texas 76063
682-518-8882
682-518-8831 fax
www.lonestaraviation.com

D-sub Female Connector
w/ 9-pin Male Contacts

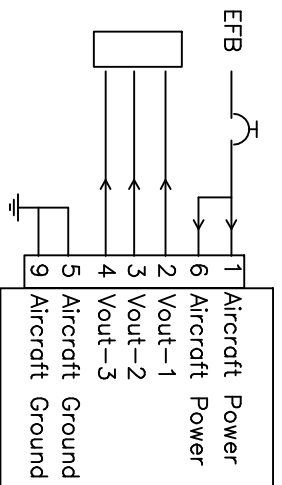


Equipment Inspection: Annual
Visual inspection for the following:

1. Hardware: Check for loose hardware.
 2. Connector: Check connector wiring
- Damaged Equipment Procedure:**
If equipment fails to function normally call the factory for technical support.

Reference: Refer to FAA AC 43.13
Acceptable Methods, Techniques, and Practices - Aircraft Alterations.

MULTI-VOLT CONVERTER



Lone Star Connector kit:

- LS03-05029 (Multi-Port/Volt, 9 Pin FM) Connector, Sub-D, 9pin (170-009-272L000)
- LS01-19072A Hood, plastic, 9pin (165X10139XE)
- LS01-19078 Pins, FM, 24-20ga, Au (2050901)
- LS01-13005 Grommets set, 0.4 dia (162-000-925R000)

Recommended Tools (TE Connectivity)

- Crimping Tool: 601966-1
- Crimp Tool Positioner: 601966-5
- Insertion/Extraction Tool: 91067-2

Mounting Hardware Table		
Item	Description	Qty
1	AN 526 Screw 6-32 R	4
2	AN 960 Washer	4
3	AN356-632- Locknut	4

Airborne Applications:

Electronic Flight Bag (EFB) WiFi Dongle, headset, camera MS-USB iPad port, DC power adapter, (cigarette lighter adapter) sensors, GPS, tablet RF Radio, iphone, ipad, mini ipad, cell phone, laptop. Designed for COTS (commercial off the shelf) compatibility.

REVISION BLOCK					
REV	ECN #	ZONE	DESCRIPTION OF CHANGE(S)	DATE	APPROVED
REV-0	N/A	N/A	Initial Release	5-8-14	JRM
REV-1			Updated Connector Information	16Oct14	JRM
REV-2		C6	Updated Connector Information	06-21-16	JRM/DPC
REV-3		C1	Updated Current Spec & Testing	08-24-16	JRM/DPC
REV-4			Updated Current Spec & Testing	06-28-17	JRM/DPC

Note:

The Multi-Volt Converter can be configured with 1, 2 or 3 outputs. Different voltages from each output are routed to a 9-pin, Male, D-sub connector.

Part Number: LS03-05005

Product Specifications:

Input Voltage: 10-40V DC (2v > output)

Input Current (max): 4.0A

Output Voltages: 3.3, 5.0, 7.5, 9.0, 12.0, 13.8, 16.0, 19.0V DC

Output Current (max): 2.5A (3.3v, 5v, 7.5v & 9v)

Connector Type: 2.0A (12v, 13.8v, 16v & 19v) Sub-D, 9-pin

Wire Gauge (min): 20 AWG

Dimensions: 3.30 x 2.13 x .915

Weight: 2.9 oz. / 82 grams

Maximum Temp: +55°C (+131°F)

Minimum Temp: -45°C (-113°F)

Maximum Altitude: 50,000 Feet (Pending)

Vibration: Section 8, Cat S, Curve M

Humidity: 95%, 50°C ±3°C

Load Regulation: +/- 2%

Line Regulation: +/- 3%

Flammability: UL94-V-0

Efficiency: 90%

Testing: TSO-C71 (Pending)

equipment racks, avionics RTCA-DO160G (Pending)

electronic, dzus panels or Aircraft Mods: Alterations

storage areas. Mount Converter Installation of EFBs

vertical or horizontal aluminum Operational use of EFBs

frame, panels for maximum heat Use of Class I or II EFBs

dissipation and air flow. FAA AC 43.13:
FAA AC 20-173:
FAA AC 120-76B:
FAA AC 91-78:

ITEM # QTY. PART NO. DESCRIPTION

UNLESS NOTED OTHERWISE TOLERANCE BLOCK. DIMENSIONS ARE IN INCHES DECIMALS ±.1% ANGULAR XXX ± .030 XXXX ± .0005 DD NOT SCALE DRAWING

PROPRIETARY AND THE THIS DOCUMENT HERWITH IS NOT TO BE REPRODUCED, COPIED, OR DISCLOSED IN ANY MANNER WITHOUT WRITTEN AUTHORIZATION FROM LONE STAR AVIATION, INC

APPROVALS DATE DRAWN BY L DAVIS-8-14 APPROVED BY JIM 5-8-14



TITLE Multi-Volt DC Converter

SIZE DRAWING NO. A LS03-05005 REV 4 SCALE NONE CMP. FILE SHEET 1 OF 1