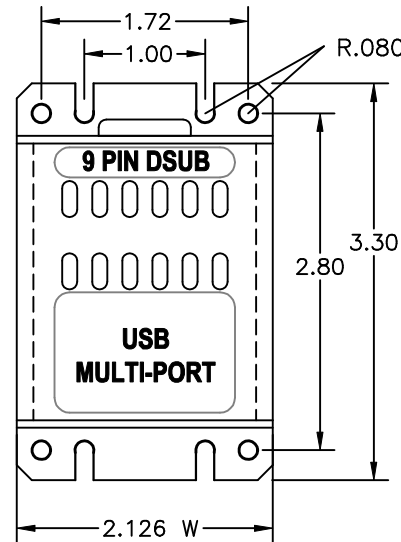
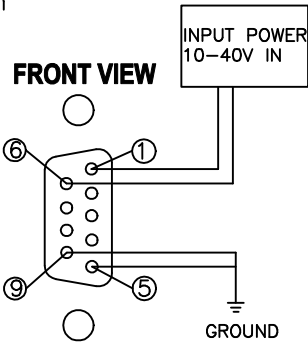


Lone Star Aviation, Inc.
 604 S. Wisteria Street
 Mansfield, Texas 76063
 682-518-8882
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 www.lonestaraviation.com

USB MULTI-PORT CONVERTER
COTS Compatible
DO160-G Tested

Connector Specs:
 Part #: DEP09P065TXLF
 20AWG MAX
 7.5A PER CONTACT MAX

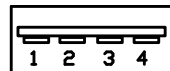


Mounting Hardware Table		
Item	Description	Quantity
1	AN 526 Screw 6-32 R	4
2	AN 960 Washer	4
3	AN356-632- Locknut	4

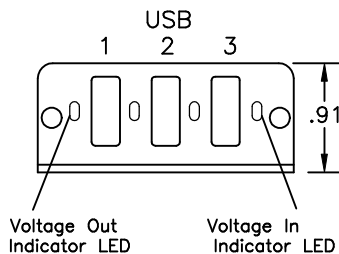
USB PIN OUT

PIN	NAME	CABLE COLOR	DESCRIPTION
1	VCC	RED	+5 VDC
2	D-	WHITE	2.7 VDC
3	D+	GREEN	2.7 VDC
4	GND	BLACK	GROUND

USB FEMALE RECEPTACLE



Custom extrusions or mounting options available for use in Seating, Panel, and other Custom applications.



REVISION BLOCK

REV	ECN #	ZONE	DESCRIPTION OF CHANGE(s)	DATE	APPROVED
REV-0	N/A	N/A	Initial Release	3-24-14	JRM

Converter Circuit Protections:

The dc converter is protected by the following circuit protections designed into the power supply circuit itself.

1. Under voltage protection
2. Over voltage protection
3. Over current
4. Over Temp
5. Reverse Polarity-pcb
6. Input Fuse: Resettable

Mountin Limitations:

Mount DC Converter in electronics bay or cabin equipment rack near on board avionics equipment or electronics. Mount Converter vertical or horizontal on aluminum frame for maximum heat dissipation.

USB Charger Applications:

Electronic Flight Bag (EFB) Charger, rated for Class I, Class II and Class III, and Type A and Type B EFB Hardware. Works with most Personal Electronic Devices (PED). USB 2.0 Std.

Designed for COTS (commercial off the shelf) compatibility.

Part Number:

LS03-05023
 Input Voltage: 5.3vdc
 Input Current: 2.5A max input
 Output Voltage: 5.3vdc
 Output Current: 2.4A Per Port
 Connector: 9 pin male -dc converter
 Connector: 9 pin female- harness
 Harness Length: 36 inches est.

Product Specifications:


Input Voltage: 10-40 vdc
 Output: 5.3 vdc
 Physical Dimensions: 2.30 x 2.13 x .935
 Weight: 100 grams
 Maximum Temp: +70C (+158F)
 Minimum Temp: -55C (-67F)
 Maximum Altitude: 50,000 Feet
 Vibration: Section 8, Cat S,
 Shock: 15G
 Humidity: 95-100%, 50°C 50°±3°C
 EMI: 90KHz-1500MHz, >200µ
 Load: +/- 2%
 Line: +/- 3%
 Flammability: UL94-V-0
 Efficiency: 90%
 Testing: TSO-C71 (Pending)
 RTCA-DO160G

FAA AC 43.13: Aircraft Mods, Alterations

FAA AC 20-173: Installation of EFBs

FAA AC 120-76B: Operational use of EFBs

FAA AC 91-78: Use of Class I or II EFBs

ITEM #	QTY.	PART NO.	DESCRIPTION
UNLESS NOTED OTHERWISE TOLERANCE BLOCK: DIMENSIONS ARE IN INCHES DECIMALS ±1° ANGULAR XX ± .030 XXX ± .015 XXXX ± .0005 DO NOT SCALE DRAWING			PROPRIETARY THIS DOCUMENT AND THE DATA DISCLOSED HEREWITH IS NOT TO BE REPRODUCED, USED, OR DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT WRITTEN AUTHORIZATION FROM LONE STAR AVIATION, INC
		APPROVALS	DATE
		DRAWN BY L DAVIS	3-24-14
		APPROVED BY JRM	3-24-14
MATERIAL			
FINISH	NOTE:	NEXT ASSY.	
			TITLE
			USB Multi-Port Charger
SIZE		DRAWING NO.	
A		LS03-05023	
SCALE		COMP. FILE	
NONE			
SHEET 1 OF 1			REV 0