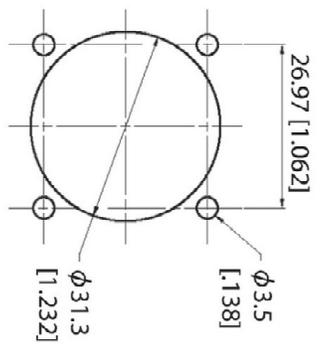
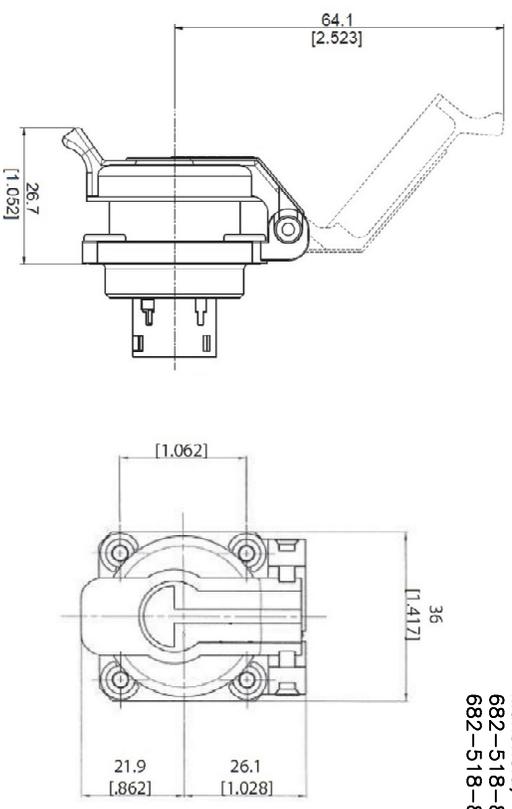
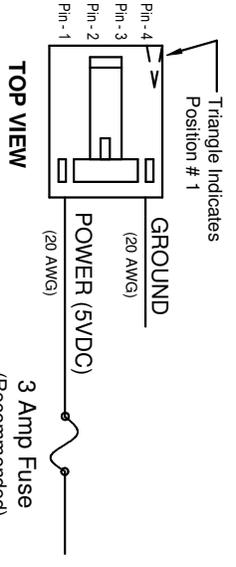
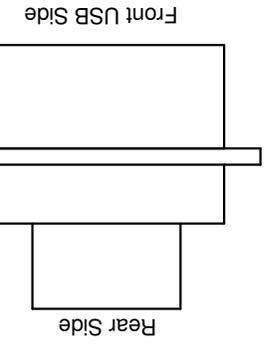


Lone Star Aviation, Corp.
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 Mansfield, Texas 76063
 682-518-8882
 682-518-8831 fax

REV	EN #	ZONE	DESCRIPTION OF CHANGE(S)	DATE	CHANGED/APPROVED
Rev-0			INITIAL RELEASE	04-11-18	JRM



Panel Drilling



LONE STAR PART NO.	LS03-05050-B
MS-USB Receptacle	5.3V, 2.4A

NOTE: For multiple MS-USB

LS03-05050-B installations, contact the factory for engineering assistance and guidance

Product Specifications: LS03-05050-B
 Input Voltage (Min/Max): 5.3 VDC / 7.2 VDC
 Input Voltage (Protection): 20 VDC
 Output Voltage (Min): 5.0 VDC
 Output Current (Max): 2.5 A ±6.5%
 Operating Temp. (Min/Max): -40°/+70°C
 Thermal Shutdown (Norm): 155°C
 Thermal Shutdown (SC): 135°C
 Short Circuit Time (resp): ~3.5 us
 Altitude (Max): 50,000 ft

LS03-05050-B incorporates an Auto-Detect circuit compatible with Apple and other USB PED devices. The eFuse circuitry provides precision current limit & over-voltage clamp, along with output short-circuit protection

Protections (LS03-05050-B):
 O.V., O.C., O.T., U.V., S.C.

Installation: Connect the MS-USB Panel Mount Charger to an appropriate 5V DC supply, such as Lone Star Aviation, LS03-05003-005 DC-DC Converter.

Product Testing:
 TSO Testing: Paper 100-54/DO-60
 TSO C71: Category A
 Sealing Level: IP54 Splash & Dust Proof
 Flammability: UL94V-0

Follow diagram to the left for power and ground connections. Set DC-DC Converter to approximately 5.6V, measured at pin4 of the MS-USB Charger

Recommended Hand Crimp Tool:
 TE Connectivity 91601-1 Crimper

ITEM #	QTY.	PART NO.	DESCRIPTION
1	1	LS01-06800	USB Square Flange Receptacle w/Cover
1	1	LS01-06802-A	Connector, 4 pos. (104257-3)
1	2	LS01-06805	Pins, 20-24 AWG (104479-2)
			Optional Pins: Tin, 20-24 AWG (104479-2-CT)
			Optional Pins: Gold, 20-24 AWG (1-104479-2)



MS-USB Charger

UNLESS NOTED OTHERWISE TOLERANCE BLOCK DIMENSIONS ARE IN INCHES ANGULAR ±1°	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	PREPARED BY: JRM	DATE: 04-11-18	APPROVED BY: JRM	DATE: 04-11-18	SIZE: A	DRAWING NO: LS03-05050-B	REV: REV-0
DO NOT SCALE DRAWING		APPROVALS				SCALE: NINE	SHEET: 1	OF: 1
MATERIAL		FINISH						