

**date** 04/08/2016

page 1 of 3

**MODEL:** PJ-002B | **DESCRIPTION:** DC POWER JACK

#### **FEATURES**

- 2.5 mm center pin
- 2.5 A rating
- right-angle orientation
- through hole





### **SPECIFICATIONS**

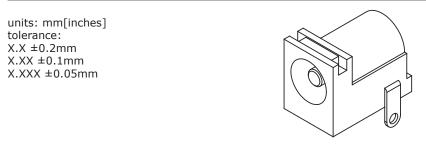
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	А
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

Note: 1. When measured at a current of less than 100 mA/1 kHz

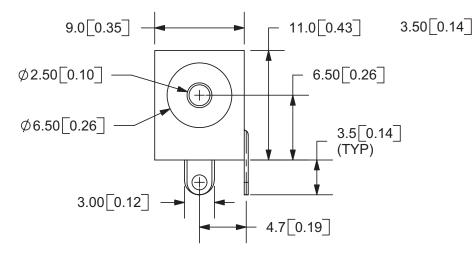
## **SOLDERABILITY**

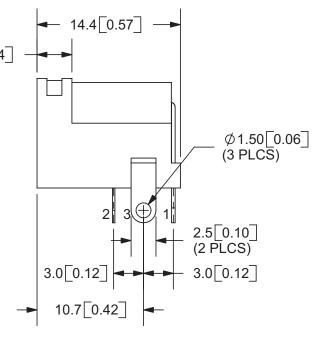
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for $5 \pm 0.5$ seconds	255	260	265	°C

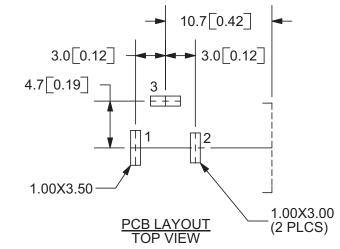
#### **MECHANICAL DRAWING**

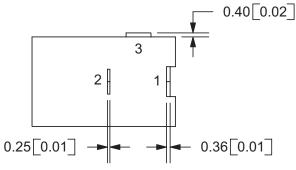


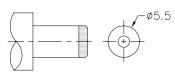
	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	brass	tin
plastic	PBT	











MATING PLUG Jack Insertion Depth: 9.0 mm

SCHEMATIC	-01 √3 √2
Model	PJ-002B
Center Pin	Ø2.5 mm

#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	04/17/2006
1.01	changed pin thickness layout	08/31/2006
1.02	applied new spec template	10/07/2013
1.03	increased voltage rating	04/08/2016

The revision history provided is for informational purposes only and is believed to be accurate.



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