# **CUI** DEVICES

**date** 11/05/2019

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**MODEL:** PJ-050B | **DESCRIPTION:** DC POWER JACK

#### **FEATURES**

- 2.5 mm center pin
- 2.5 A rating
- right-angle orientation
- through hole
- pick-n-place top





#### **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
insulation resistance	at 500 Vdc	100			МΩ
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		-30		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

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

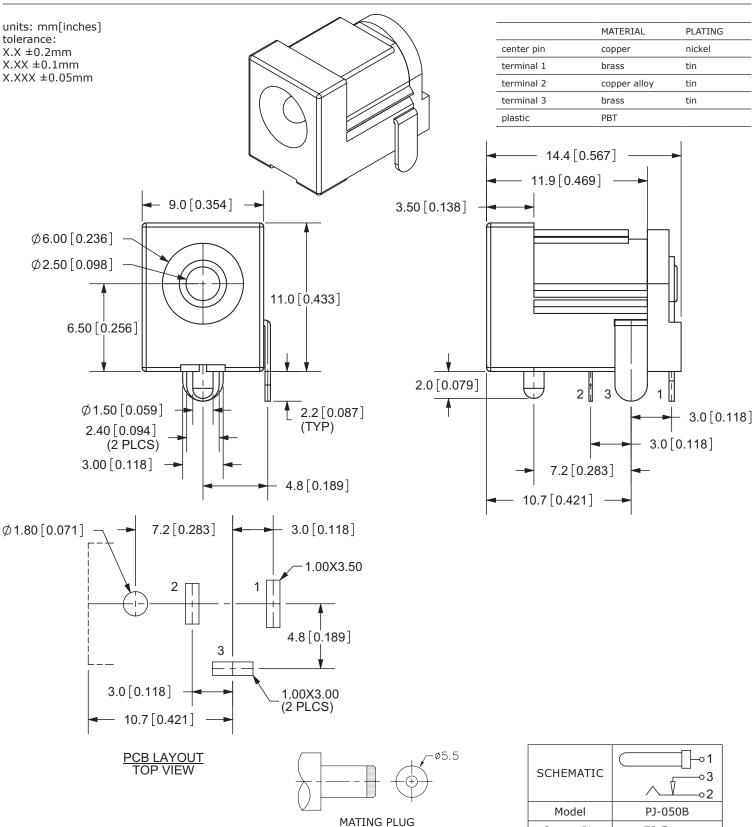
### **SOLDERABILITY**

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

Ø2.5 mm

Center Pin

#### **MECHANICAL DRAWING**



Note: 1. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

Jack Insertion Depth: 8.5 mm

Additional Resources: Product Page | 3D Model | PCB Footprint

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#### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	07/30/2007	
1.01	applied new spec template	10/21/2013	
1.02	increased voltage rating	04/14/2016	
1.03	increased operating temperature range	11/02/2017	
1.04	brand update	11/05/2019	

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

## **CUI** DEVICES

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