

## Excellent Integrated System Limited

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[CUI Inc.](#)

[PJ-009B](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)


**MODEL: PJ-009B | DESCRIPTION: DC POWER JACK**
**FEATURES**

- 2.5 mm center pin
- 2.5 A rating
- vertical orientation
- through hole


**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage		24			Vdc
rated input current			2.5		A
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit	50 30		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 ±0.5 seconds	255	260	265	°C

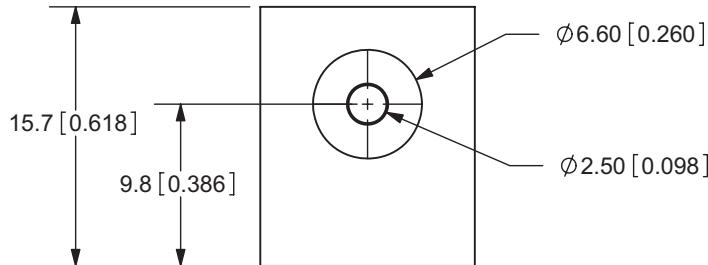
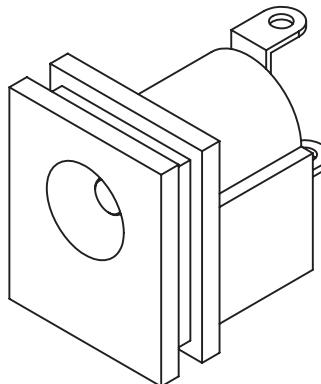
## MECHANICAL DRAWING

units: mm[inches]

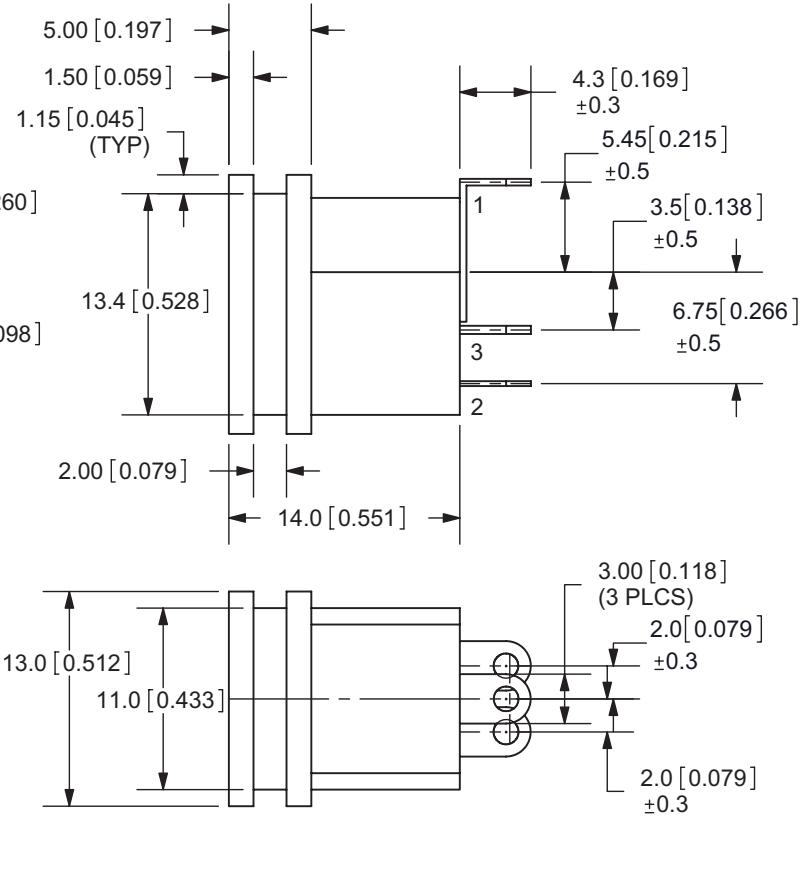
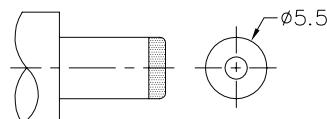
tolerance:

 X.X  $\pm$  0.2mm

 X.XX  $\pm$  0.1mm

 X.XXX  $\pm$  0.05mm


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


 PCB LAYOUT  
FRONT VIEW

 MATING PLUG  
Jack Insertion Depth: 9.5 mm

SCHEMATIC	
Model	PJ-009B
Center Pin	$\phi 2.5$ mm

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

## REVISION HISTORY

rev.	description	date
1.0	initial release	11/08/2005
1.01	updated center pin and terminal locations	08/11/2011
1.02	applied new spec template	11/04/2013
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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CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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