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

FEATURES

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



RoHS

SPECIFICATIONS

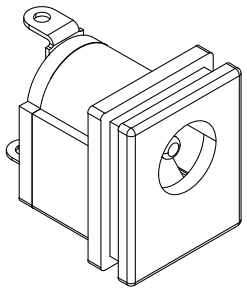
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

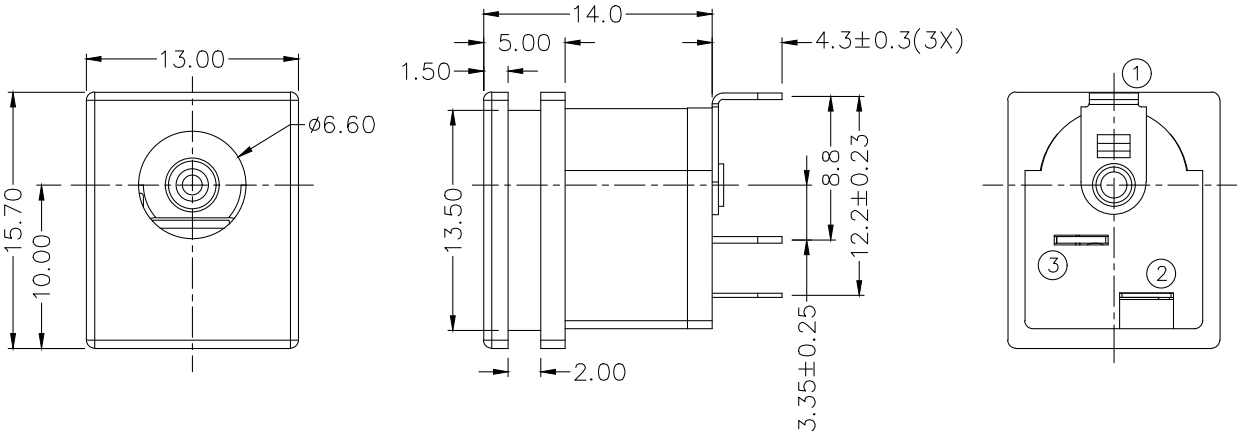
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

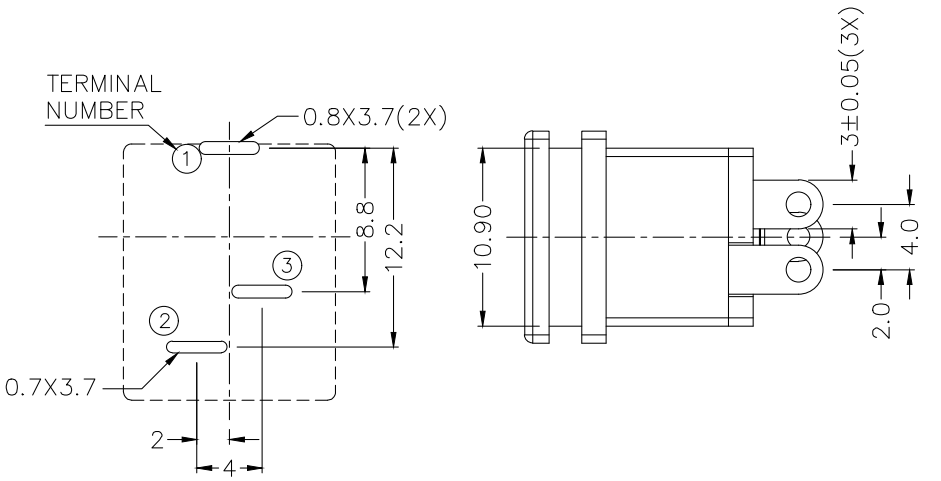
MECHANICAL DRAWING

units: mm
tolerance:
X. ±0.30 mm
X.X ±0.25 mm
X.XX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified

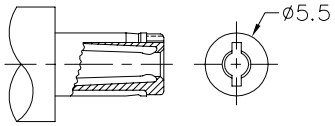


DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	nickel
terminal 1	brass	tin over nickel
terminal 2	copper alloy	tin over nickel
terminal 3	brass	tin over nickel
housing	PBT (UL94V-0)	black

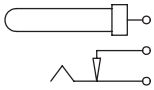


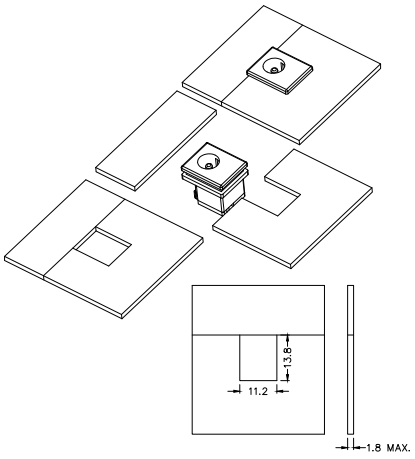


Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 9.6 mm

SCHEMATIC	
Model	PJ-009B
Center Pin	Ø2.5 +0/-0.1 mm



Recommended Panel Cutout

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
1.04	brand update	11/05/2019
1.05	logo, datasheet style update	08/05/2022
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	06/29/2023
1.07	added recommended panel cutout details	02/06/2024
1.08	product reengineered for improved manufacturability and production yield, see PCN for details	04/08/2024

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

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