

**MODEL:** PJ-033B | **DESCRIPTION:** DC POWER JACK

**FEATURES**

- 2.5 mm center pin
- snap-in tabs
- through hole mount, vertical orientation
- 2 conductors, 1 internal switch


**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	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	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		255	260	265	°C

## MECHANICAL DRAWING

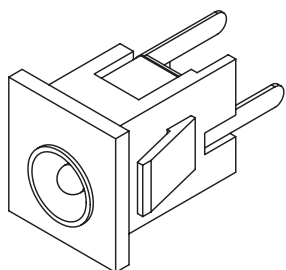
units: mm[inches]

tolerance:

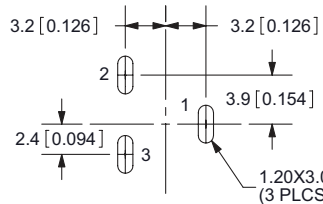
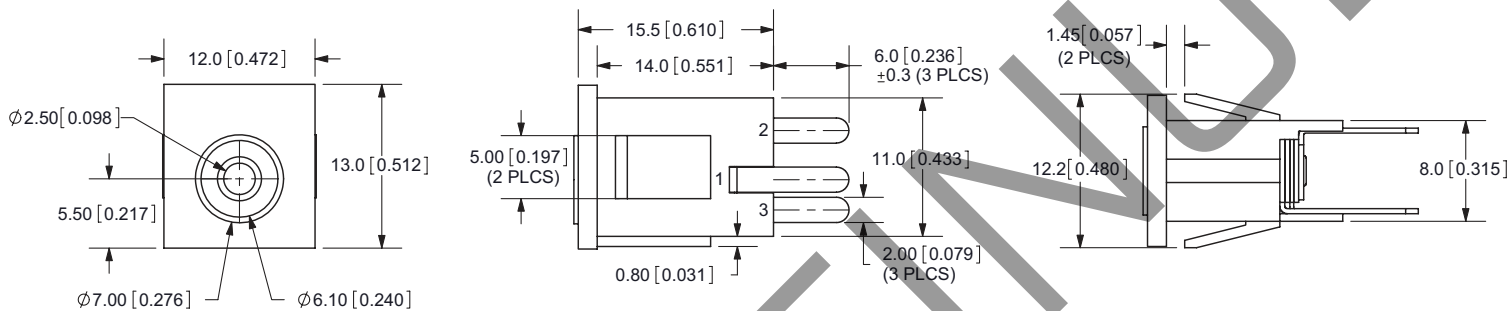
X.X ±0.2mm

X.XX ±0.1mm

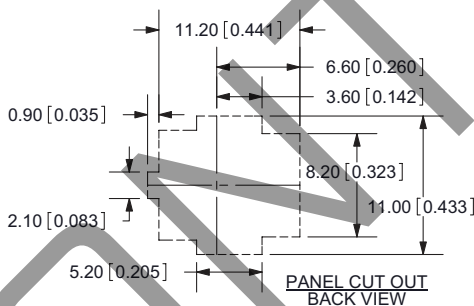
X.XXX ±0.05mm



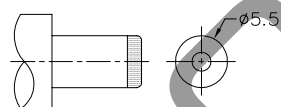
	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	brass	tin
plastic	PBT	



PCB LAYOUT  
TOP VIEW



PANEL CUT OUT  
BACK VIEW



MATING PLUG  
Jack Insertion Depth: 8.2 mm

SCHEMATIC	
Model	PJ-033B
Center Pin	ø2.5 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	07/30/2007
1.01	changed insulator material to PBT, applied new spec template	08/22/2013
1.02	increased voltage rating	04/28/2016
1.03	brand update	11/06/2019
1.04	logo, datasheet style update	08/05/2022

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



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