

date 08/05/2022

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MODEL: PJ-039B | DESCRIPTION: DC POWER JACK

FEATURES

- 2.5 mm center pin
- 2.5 A rating
- vertical orientation
- panel mount with tabs and 1.6 mm screw holes





SPECIFICATIONS

parameter	conditions/description	mir	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	А
contact resistance ¹	between terminal and mating plug between terminal in a closed circuit			50 30	$m\Omega$ $m\Omega$
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		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				
Note: 1. When measured at a curre	nt of less than 100 mA/1 kHz				

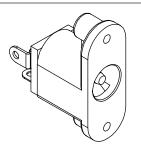
SOLDERABILITY

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

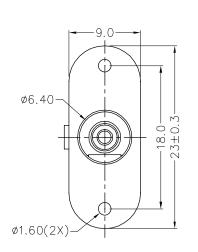


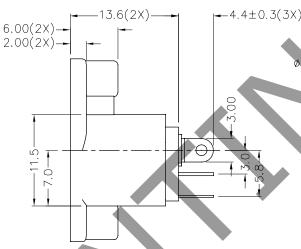
MECHANICAL DRAWING

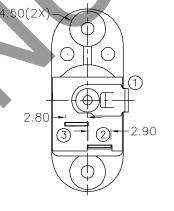
units: mm tolerance: X.X ±0.2 mm X.XX ±0.1 mm X.XXX ±0.05 mm PCB: ±0.05 mm

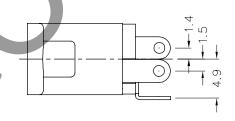


	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	brass	tin
plastic	PBT	



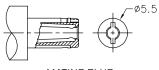






Ø 3.5 1 × 3.5(3×) 1 × 3.5(3×) TERMINAL NUMBER 1.4 1.5 4.9

Recommended PCB Layout Top View



MATING PLUG				
Jack Insertion Depth: 9.0 mm				

SCHEMATIC	3 2	
Model	PJ-039B	
Center Pin	Ø2.5 mm	

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	applied new spec template	09/12/2013
1.02	increased voltage rating	04/08/2016
1.03	brand update	11/06/2019
1.04	modified housing mold	09/24/2020
1.05	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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