

date 03/15/2023

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MODEL: PJ-059B | DESCRIPTION: DC POWER JACK

FEATURES

- 2.5 mm center pin
- 2.5 A rating
- right-angle orientation
- through hole
- locking type
- tapered pins





SPECIFICATIONS

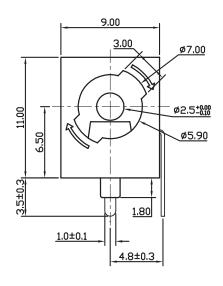
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	А
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

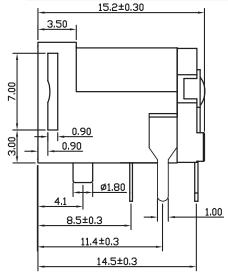
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

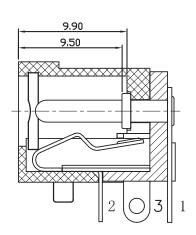
MECHANICAL DRAWING

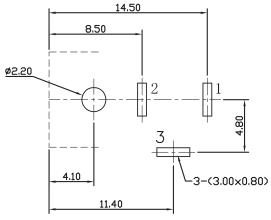
units: mm tolerance: X. ±0.50 mm X.X ±0.30 mm X.XX ±0.20 mm X.XXX ±0.10 mm PCB: ±0.05 mm unless otherwise specified



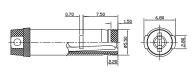
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	nickel
terminal 1	brass t=0.30	tin
terminal 2	bronze t=0.25	tin
terminal 3	brass t=0.30	tin
cover	PBT (UL94V-0)	black
housing	PBT (UL94V-0)	black







Recommended PCB Layout
_____ Top View



MATING PLUG Jack Insertion Depth: 9.5 mm

SCHEMATIC	03	
Model	PJ-059B	
Center Pin	Ø2.5 mm	
CONTON 1 III	92.0 11111	

REVISION HISTORY

rev.	description	date	
1.0	initial release	07/30/2007	
1.01	applied new spec template	10/04/2013	
1.02	increased voltage rating	04/14/2016	
1.03	brand update	10/31/2019	
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	03/15/2023	

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



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