

date 02/23/2023

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MODEL: PJ-047B | DESCRIPTION: DC POWER JACK

FEATURES

- 2.5 mm center pin
- 2.5 A rating
- right angle orientation
- through hole
- shielded





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 250 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				

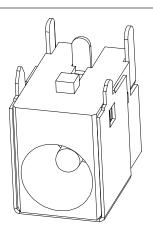
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 4~6 seconds		250		°C

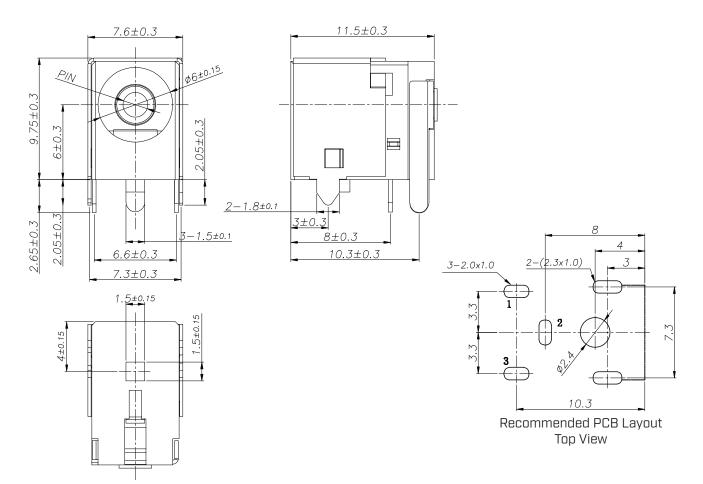
MECHANICAL DRAWING

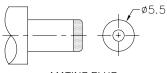
units: mm tolerance: ±0.30 mm PCB: ±0.05 mm

unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	nickel
terminal 1	brass t=0.30	silver
terminal 2	SUS301 t=0.30	silver
terminal 3	brass t=0.30	silver
shield	brass t=0.25	nickel
housing	PBT (UL94V-0)	black





MATING PLUG
Jack Insertion Depth: 8.2 mm

SCHEMATIC	○1 ○3 ○2
Model	PJ-047B
Center Pin	Ø2.5 mm

REVISION HISTORY

rev.	description	date	
1.0	initial release	07/30/2007	
1.01	shield plating material changed from tin to nickel	09/30/2009	
1.02	applied new spec template	10/21/2013	
1.03	increased voltage rating	04/14/2016	
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	02/23/2023	

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



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