

MODEL: PJ-102A | **DESCRIPTION:** DC POWER JACK

FEATURES

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


SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	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				

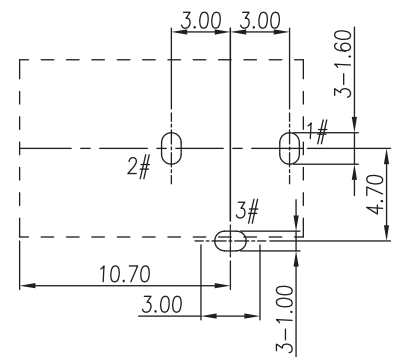
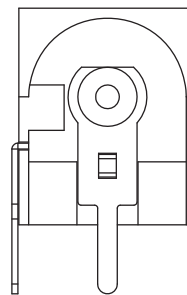
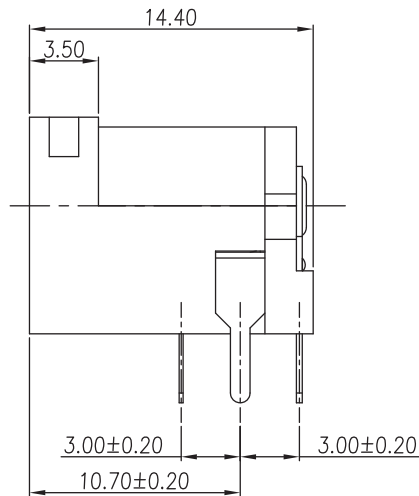
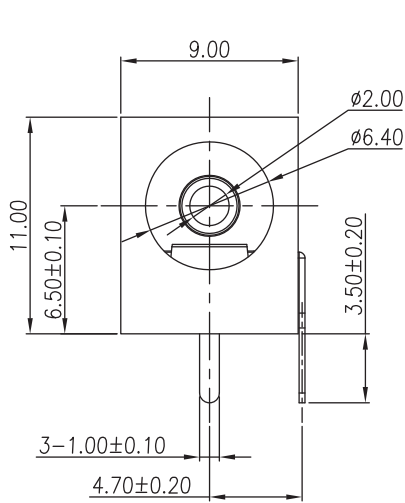
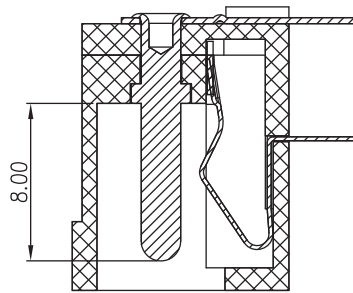
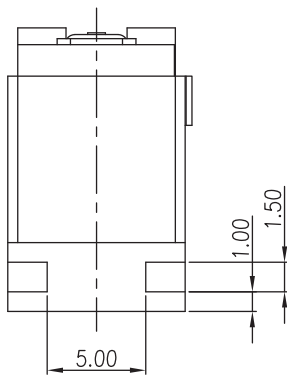
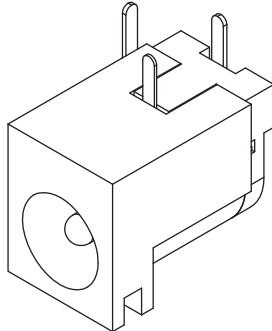
SOLDERABILITY

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

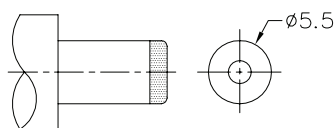
MECHANICAL DRAWING

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

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



Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 9.5 mm

SCHEMATIC	
Model	PJ-102A
Center Pin	Ø2.0 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	11/17/2005
1.01	updated contact resistance	06/06/2006
1.02	applied new spec template	01/08/2015
1.03	increased voltage rating	04/21/2016
1.04	brand update	10/30/2019
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	01/13/2023

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



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