MODEL: PJ-038BH | DESCRIPTION: DC POWER JACK

FEATURES

- 2.5 mm center pin
- 5.0 A rating
- right angle orientation
- panel mount with tabs and 2.5 mm screw holes

RoHS

SPECIFICATIONS

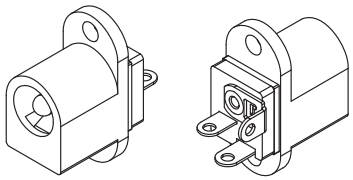
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

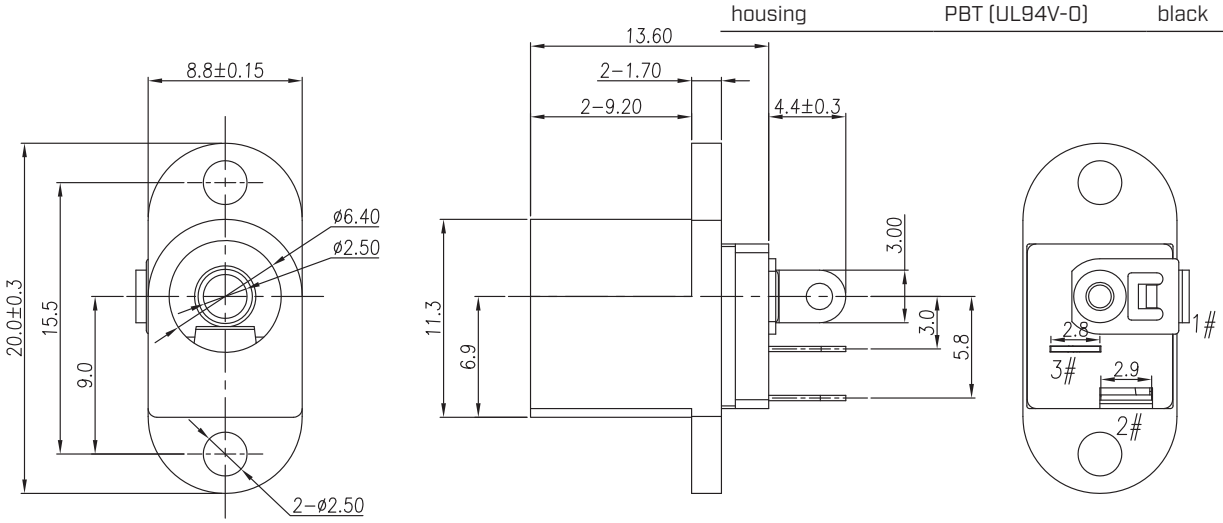
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±5 seconds	255	260	265	°C
hand soldering	for 3~4 seconds	340	350	360	°C

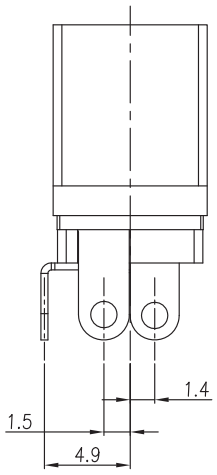
MECHANICAL DRAWING

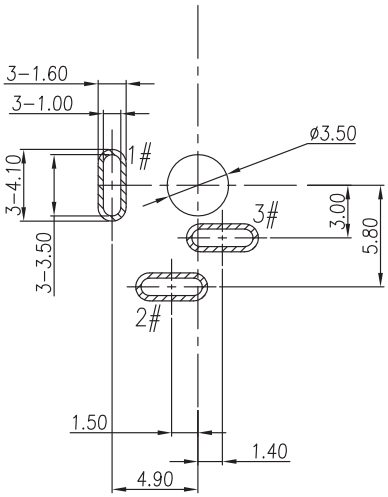
units: mm
tolerance:
X. ±0.50 mm
X.X ±0.30 mm
X.XX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified



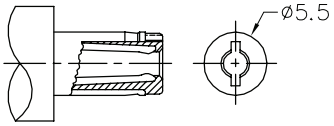
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
cover	PBT (UL94V-0)	black
housing	PBT (UL94V-0)	black



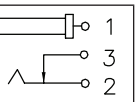




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 8.7 mm

SCHEMATIC	
Model	PJ-038BH
Center Pin	Ø2.5 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	applied new spec template	10/21/2013
1.02	increased voltage rating	04/14/2016
1.03	brand update	11/06/2019
1.04	modified housing mold	09/24/2020
1.05	logo, datasheet style update	08/05/2022
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	10/09/2023

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