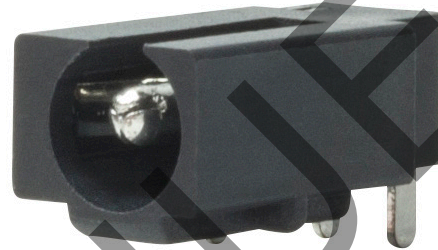


**MODEL:** PJ-087 | **DESCRIPTION:** DC POWER JACK**FEATURES**

- low profile design
- rated to 5A
- small PCB footprint

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5	A
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
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
RoHS compliant	yes				

Notes: 1. When measured at a current of less than 100 mA / 1 kHz

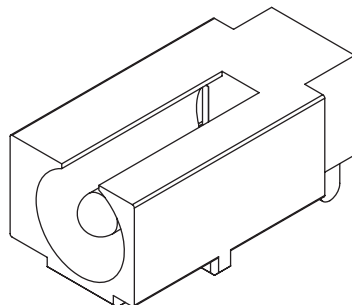
**SOLDERABILITY**

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

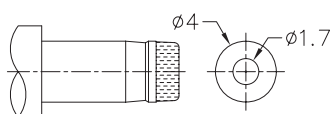
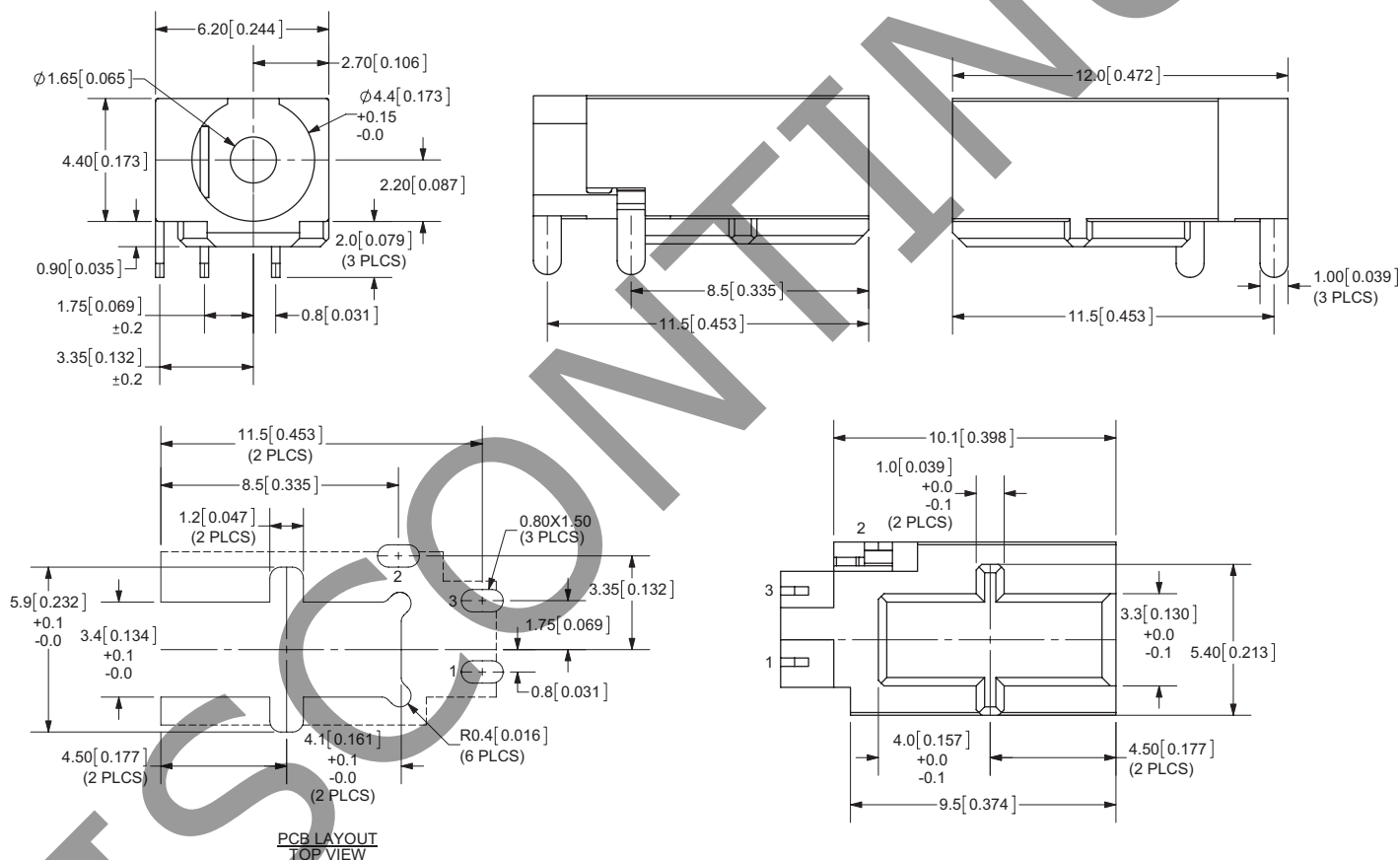
## MECHANICAL DRAWING

units: mm[inches]

tolerance:

X.X  $\pm 0.2$ mmX.XX  $\pm 0.1$ mmX.XXX  $\pm 0.05$ mm

	MATERIAL	PLATING
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
plastic	PA66	



MATING PLUG  
Jack Insertion Depth: 8.0mm

Schematic	
Model	Center Pin
PJ-087	$\varnothing 1.65$ mm

## REVISION HISTORY

rev.	description	date
1.0	initial release	04/04/2013
1.01	increased voltage rating	04/14/2016
1.02	brand update	10/25/2019
1.03	logo, datasheet style update	08/05/2022

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