

**MODEL:** PJ-007 | **DESCRIPTION:** DC POWER JACK**FEATURES**

- PCB mount
- tapered PC pins
- non-shielded

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			16		Vdc
rated input current				2	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, at 0.5 mA			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

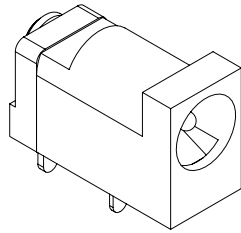
Notes: 1. When measured at a current of less than 100 mA / 1 kHz.  
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

**SOLDERABILITY**

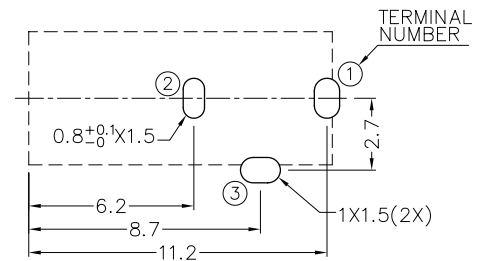
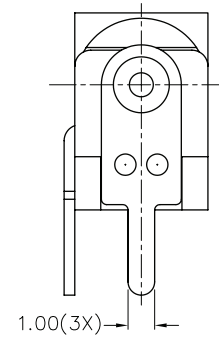
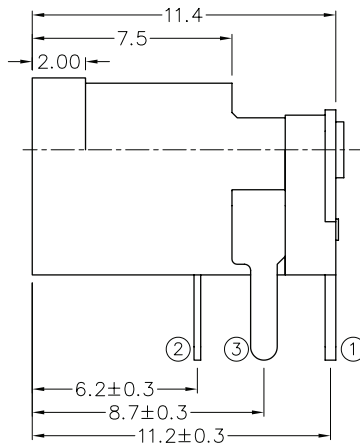
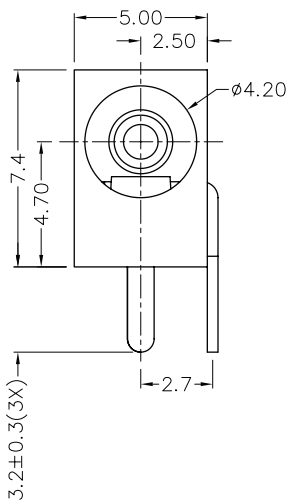
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

## MECHANICAL DRAWING

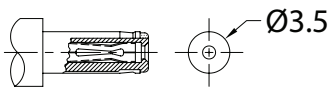
units: mm  
 tolerance:  
 X.X  $\pm 0.2$  mm  
 X.XX  $\pm 0.10$  mm  
 X.XXX  $\pm 0.050$  mm  
 PCB:  $\pm 0.05$  mm



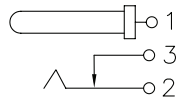
	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	silver over nickel
terminal 2	copper alloy	silver over nickel
terminal 3	brass	silver over nickel
plastic	PBT	



Recommended PCB Layout  
Top View



MATING PLUG  
 Jack Insertion Depth: 6.6 mm

SCHEMATIC	
Model	PJ-007
Center Pin	Ø1.30 mm

## REVISION HISTORY

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rev.	description	date
1.0	initial release	04/17/2006
1.01	applied new template	02/13/2012
1.02	brand update	04/02/2020
1.03	updated housing mold, changed terminal plating	07/01/2020

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

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