

MODEL: PJ-046H | **DESCRIPTION:** DC POWER JACK

FEATURES

- 1.65 mm center pin
- high current 5 A rating
- vertical orientation
- through hole with panel slots
- kinked pins

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	A
contact resistance ¹	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
flammability rating	UL94V-0				
RoHS	yes				

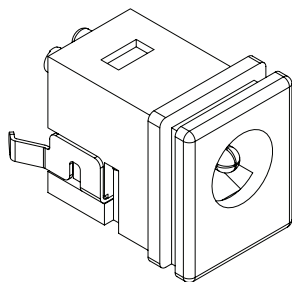
Note: 1. When measured at a current of less than 100 mA/1 kHz

SOLDERABILITY

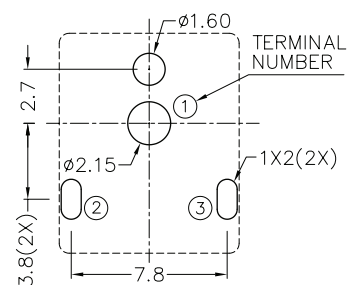
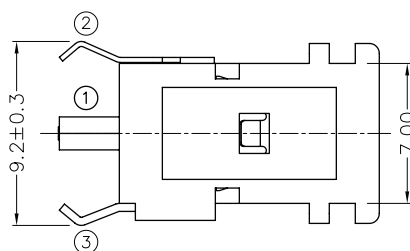
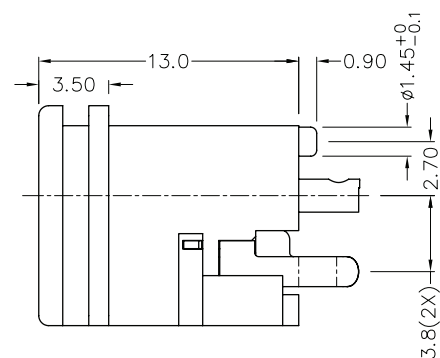
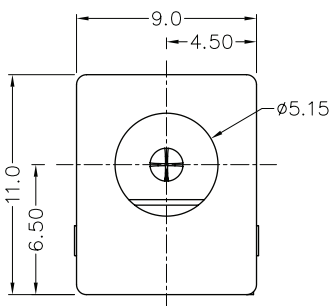
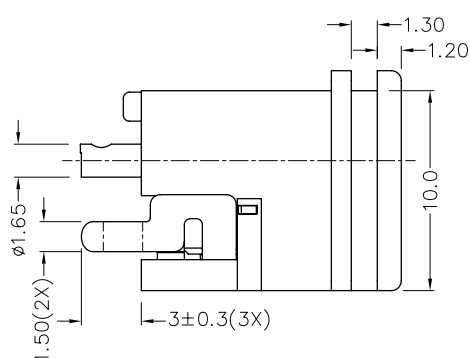
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

MECHANICAL DRAWING

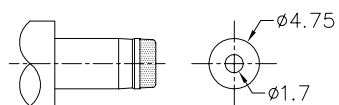
units: mm
 tolerance:
 X.X ± 0.2 mm
 X.XX ± 0.1 mm
 X.XXX ± 0.05 mm
 PCB: ± 0.05 mm



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



Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 8.5 mm

SCHEMATIC	
Model	PJ-046H
Center Pin	Ø1.65mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	applied new spec template	01/14/2015
1.02	increased voltage rating	04/14/2016
1.03	changed center pin and terminal 1 plating to be silver	02/04/2019
1.04	brand update	10/28/2019

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

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