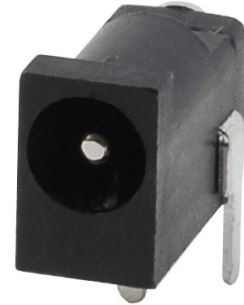


**CUI INC<sup>®</sup>****date** 05/03/2016**page** 1 of 3**MODEL:** PJ-031D | **DESCRIPTION:** DC POWER JACK

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**FEATURES**

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

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.0	A
contact resistance <sup>1</sup>	between terminal and mating plug			50	mΩ
	between terminal in a closed circuit			30	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	2011/65/EU				

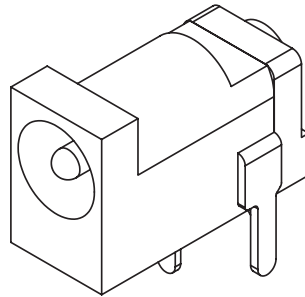
Note: 1. When measured at a current of less than 100 mA/1 kHz

**SOLDERABILITY**

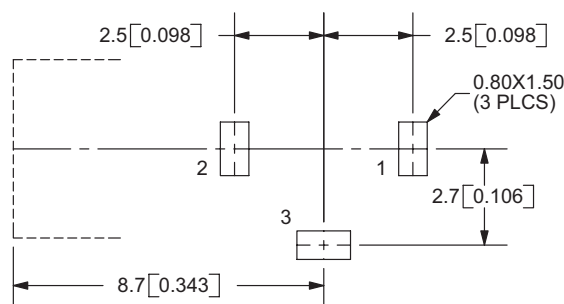
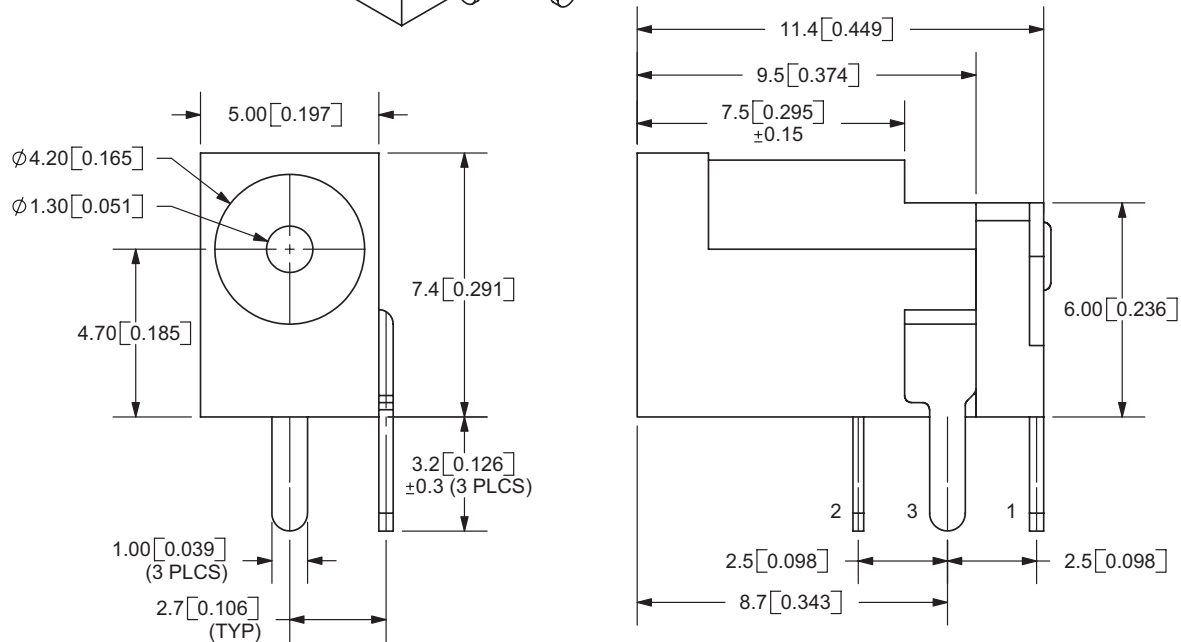
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

## MECHANICAL DRAWING

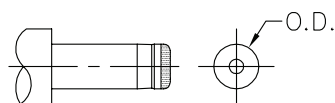
units: mm[inches]  
tolerance:  
X.X  $\pm 0.2$ mm  
X.XX  $\pm 0.1$ mm  
X.XXX  $\pm 0.05$ mm



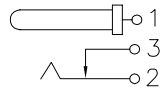
	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	brass	tin
plastic	PBT	



PCB LAYOUT  
TOP VIEW



MATING PLUG  
Jack Insertion Depth: 6.6 mm

SCHEMATIC	
Model	PJ-031D
Center Pin	$\phi 1.3$ mm

## REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	applied new spec template	12/05/2014
1.02	increased voltage rating	05/03/2016

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



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CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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