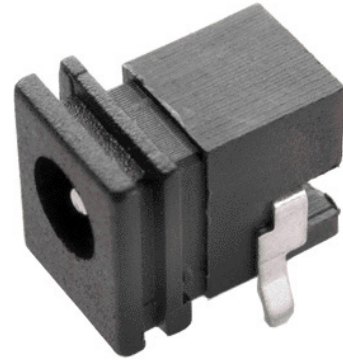


**MODEL:** PJ1-021 | **DESCRIPTION:** DC POWER JACK

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**FEATURES**

- 1.65 mm center pin
- 5 A rating
- right angle orientation
- through hole mount 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 <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				

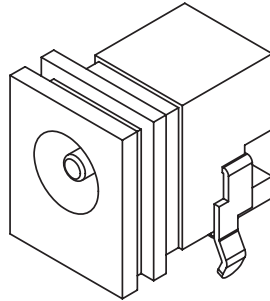
Note: 1. When measured at a current of less than 100 mA/1 kHz

**SOLDERABILITY**

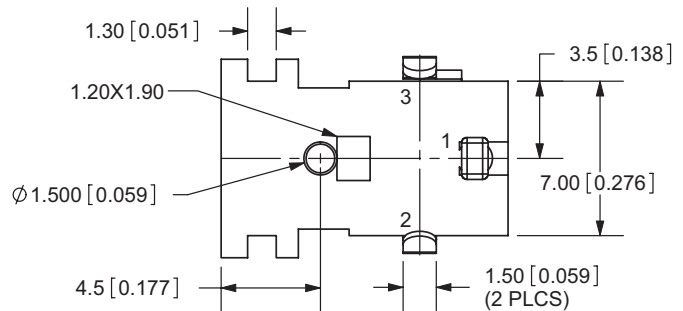
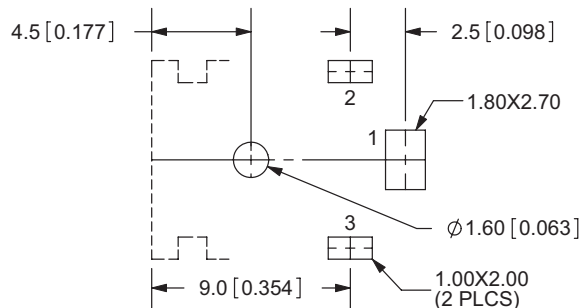
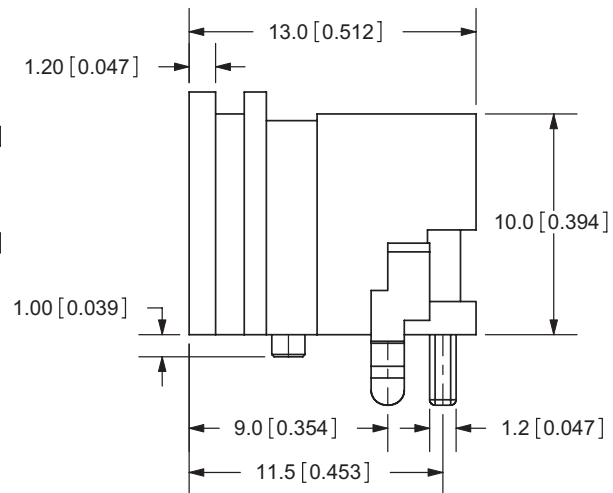
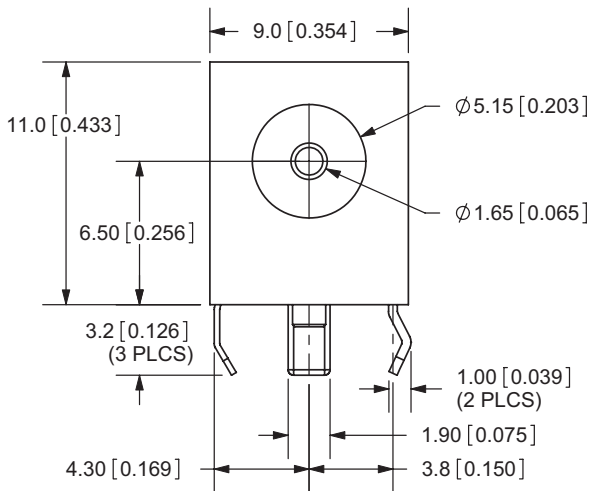
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

## MECHANICAL DRAWING

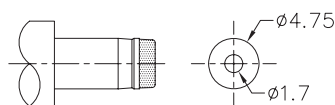
units: mm[inches]  
tolerance:  
X.X  $\pm 0.2$ mm  
X.XX  $\pm 0.1$ mm  
X.XXX  $\pm 0.05$ mm



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



**PCB LAYOUT**  
**TOP VIEW**



**MATING PLUG**  
Jack Insertion Depth: 8.5 mm

<b>SCHEMATIC</b>	
<b>Model</b>	PJ1-021
<b>Center Pin</b>	Ø1.65mm

Note: 1. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

## REVISION HISTORY

rev.	description	date
1.0	initial release	04/17/2006
1.01	appearance update to pin 2	11/29/2010
1.02	terminal 1 material changed to copper	02/28/2012
1.03	applied new spec template	06/09/2015
1.04	increased voltage rating	04/14/2016

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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