# **CUI** DEVICES

**date** 10/24/2019

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**MODEL:** PJ-053D | **DESCRIPTION:** DC POWER JACK

#### **FEATURES**

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





## **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.0	Α
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ
insulation resistance	at 500 Vdc	100			МΩ
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

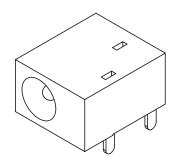
## **SOLDERABILITY**

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

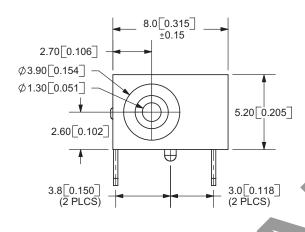


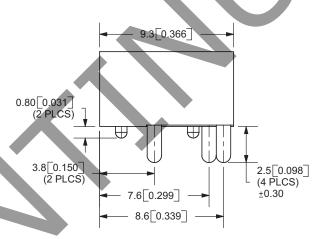
#### **MECHANICAL DRAWING**

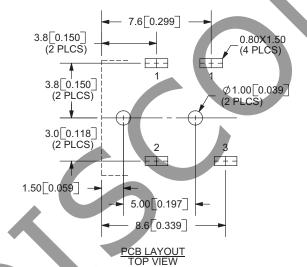
units: mm[inches] tolerance: X.X ±0.2mm X.XX ±0.1mm X.XXX ±0.05mm

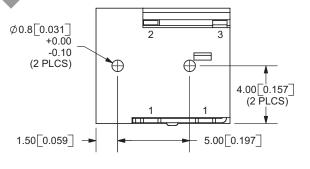


	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	brass	tin
plastic	PA66	









- p3.4

MATING PLUG Jack Insertion Depth: 6.2 mm

SCHEMATIC	03 √ 02
Model	PJ-053D
Center Pin	Ø1.3 mm

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	07/30/2007
1.01	applied new spec template	01/20/2016
1.02	increased voltage rating	04/14/2016
1.03	brand update	10/24/2019

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



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