# **CUI** DEVICES

date 10/28/2019

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**MODEL:** PJ-033A | **DESCRIPTION:** DC POWER JACK

#### **FEATURES**

- 2.0 mm center pin
- snap-in tabs
- through hole mount, vertical orientation
- 2 conductors, 1 internal switch





#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	А
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			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				

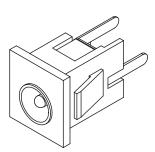
Note: 1. When measured at a current of less than 100 mA / 1 kHz

## **SOLDERABILITY**

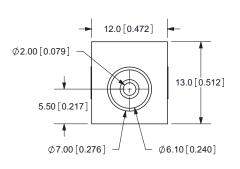
parameter	conditions/description	min	typ	max	units
wave soldering		255	260	265	°C

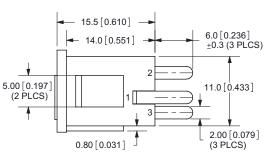
### **MECHANICAL DRAWING**

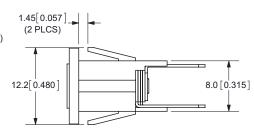
units: mm[inches] tolerance: X.X ±0.2mm X.XX ±0.1mm X.XXX ±0.05mm

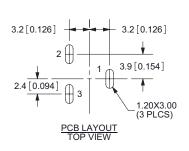


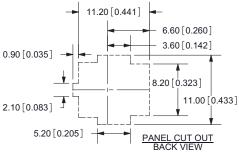
	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	brass	tin
plastic	PBT	

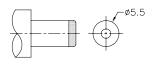












MATING PLUG Jack Insertion Depth: 8.2 mm

SCHEMATIC	○ 1 ○ 3 ○ 2
Model	PJ-033A
Center Pin	ø2.0 mm

Additional Resources: Product Page | 3D Model | PCB Footprint

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#### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	07/30/2007	
1.01	changed insulator material to PBT, applied new spec template	08/22/2013	
1.02	increased voltage rating	04/08/2016	
1.03	brand update	10/28/2019	

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

## **CUI** DEVICES

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

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