

04/08/2016

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MODEL: PJ-031C | DESCRIPTION: DC POWER JACK

#### **FEATURES**

- 1.0 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	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			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				

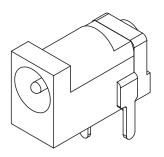
Note: 1. When measured at a current of less than 100 mA/1 kHz

# **SOLDERABILITY**

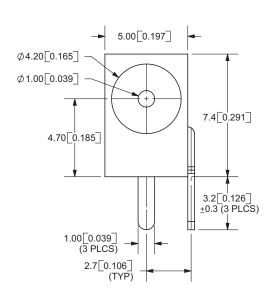
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for $5 \pm 0.5$ seconds	255	260	265	°C

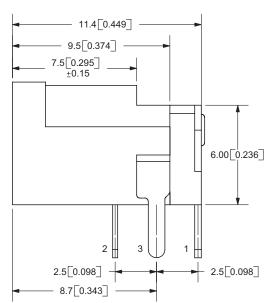
### **MECHANICAL DRAWING**

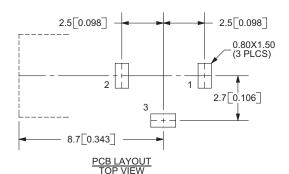
units: mm[inches] tolerance:  $X.X \pm 0.2mm$  $X.XX \pm 0.1mm$  $X.XXX \pm 0.05mm$ 

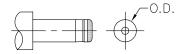


	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	brass	tin
plastic	PBT	









MATING PLUG Jack Insertion Depth: 6.6 mm

SCHEMATIC	01 03 02
Model	PJ-031C
Center Pin	Ø1.0 mm

### **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	04/08/2016

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



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