

04/26/2016

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**MODEL:** PJ1-022-SMT | **DESCRIPTION:** DC POWER JACK

#### **FEATURES**

- 0.65mm center pin
- 2.5 A rating
- right angle orientation
- surface mount (SMT)
- internal switch





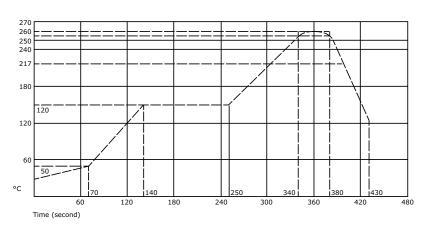
# **SPECIFICATIONS**

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
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				

Notes:

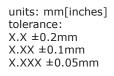
# **SOLDERABILITY**

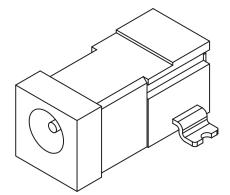
parameter	conditions/description	min	typ	max	units
reflow soldering	see reflow profile	255	260	265	°C



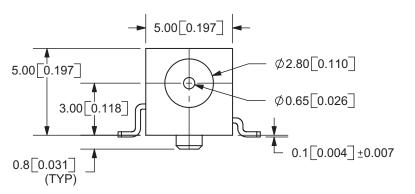
<sup>1.</sup> When measured at a current of less than 100 mA/1 kHz 2. Add suffix "-TR" to the model number for tape & reel packaging

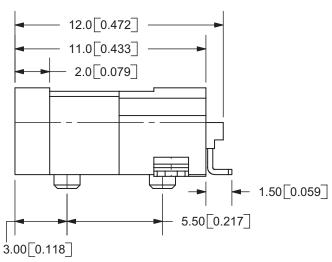
### **MECHANICAL DRAWING**

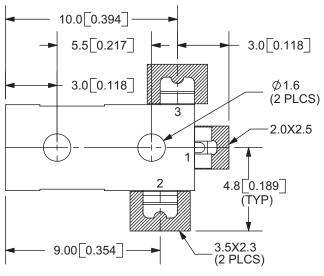


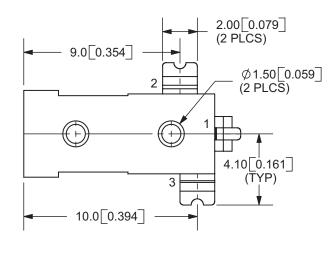


	MATERIAL	PLATING
center pin	brass	silver
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
plastic	PA6T	

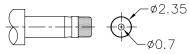








RECOMMENDED PCB LAYOUT (Top View)



MATING PLUG Jack Insertion Depth: 8.0 mm

SCHEMATIC	○1 ○3 ○2	
Model	PJ1-022-SMT	
Center Pin	Ø0.65 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	10/21/2005
1.01	dimensions updated	05/23/2006
1.02	added TR package option and jack insertion depth	11/07/2012
1.03	applied new spec template	08/22/2013
1.04	increased voltage rating	04/26/2016

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



Headquarters 20050 SW 112th Ave. Tualatin, OR 97062 800.275.4899

Fax 503.612.2383 cui.com techsupport@cui.com

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

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