

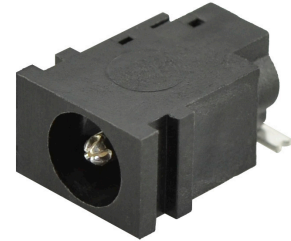

CUI INC[®]
date 04/08/2016

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

FEATURES

- 1.65mm center pin
- 5 A rating
- right angle orientation
- surface mount (SMT)
- internal switch

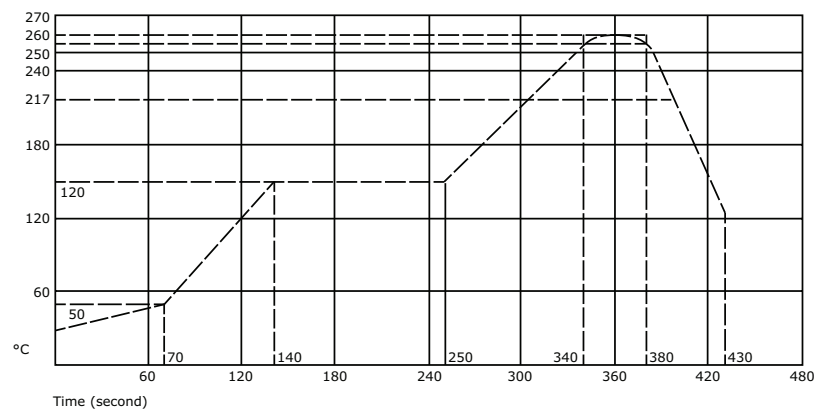

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5	A
contact resistance ¹	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				

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

SOLDERABILITY

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



MECHANICAL DRAWING

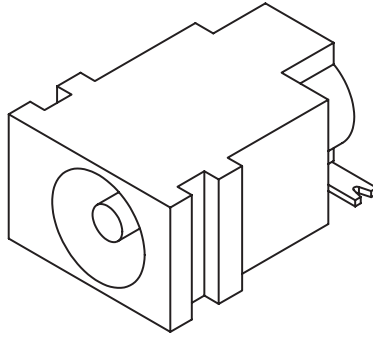
units: mm[inches]

tolerance:

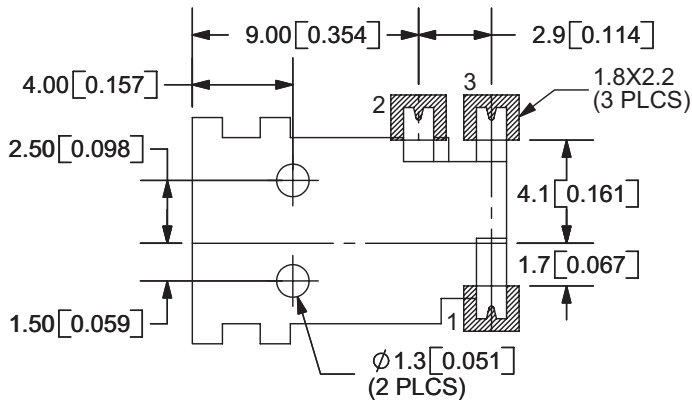
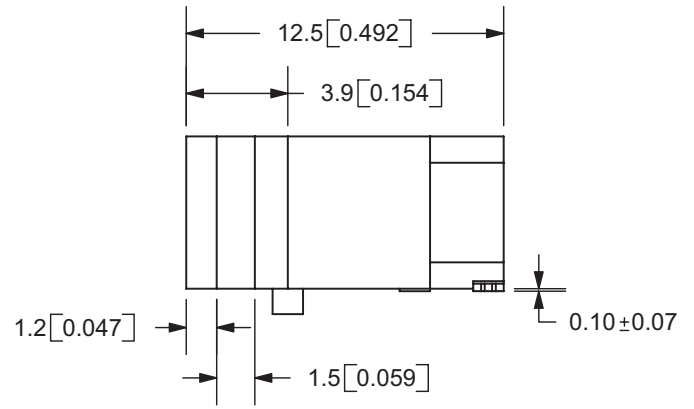
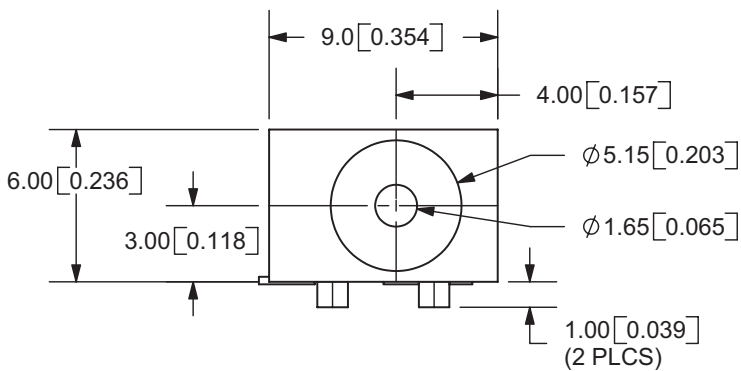
X.X ± 0.2 mm

X.XX ± 0.1 mm

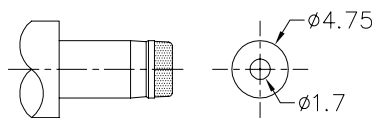
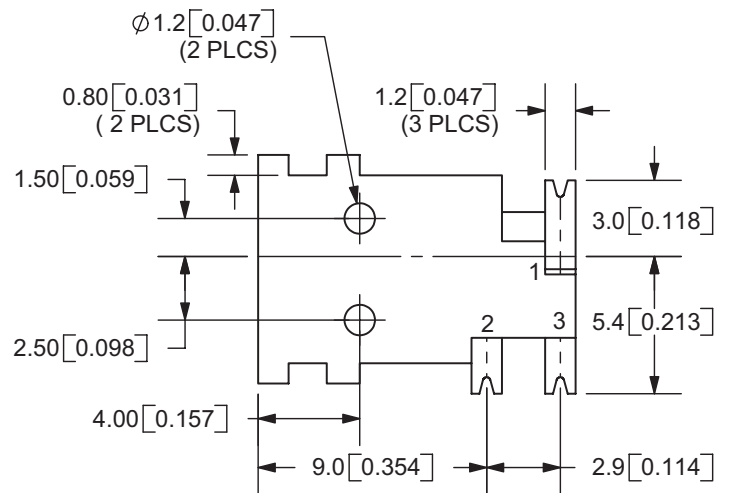
X.XXX ± 0.05 mm



	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	
Model	PJ1-021-SMT
Center Pin	Ø1.65 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	10/20/2005
1.01	changed housing material to PA6T from PBT	01/10/2006
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	04/08/2016

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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