


**CUI INC<sup>®</sup>**
**date** 04/28/2016

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**MODEL:** PJ-002AH-SMT | **DESCRIPTION:** DC POWER JACK

**FEATURES**

- high current rating: 5 A
- internal switch
- RoHS compliant

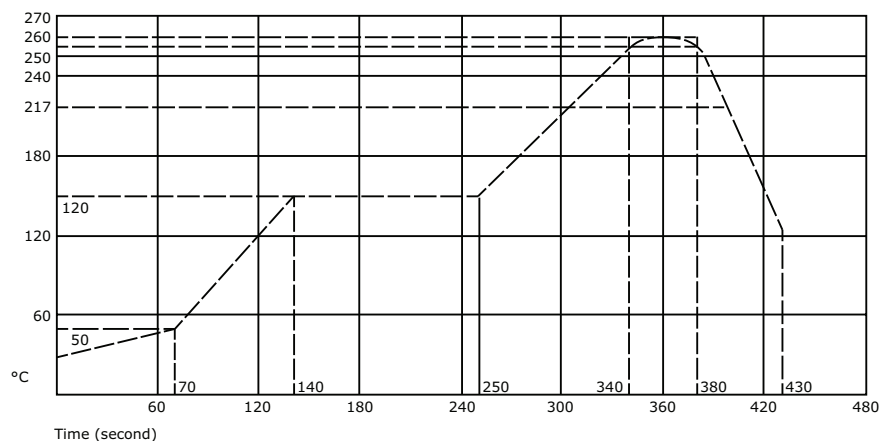

**SPECIFICATIONS**

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

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



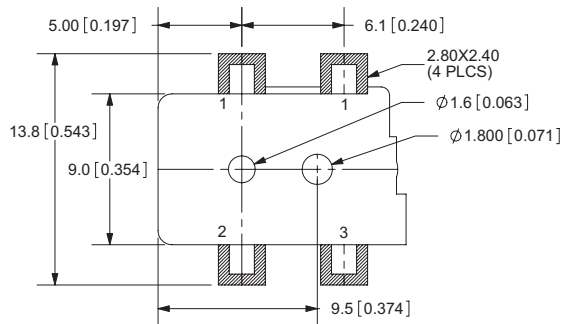
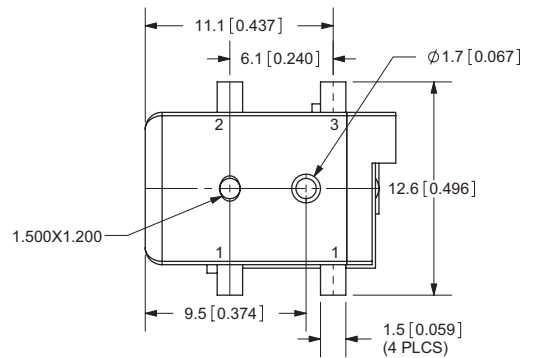
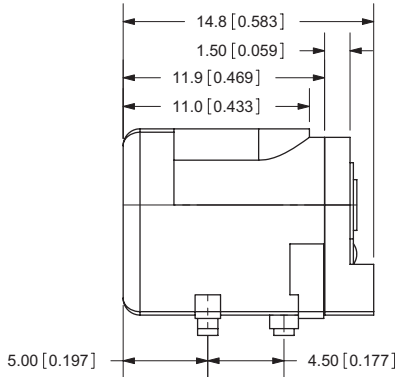
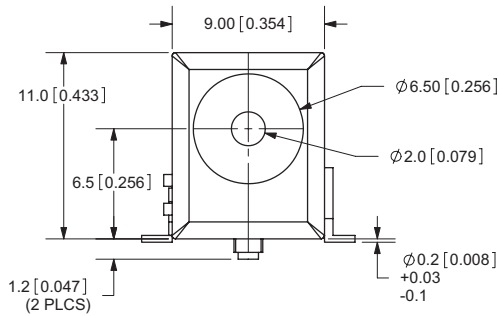
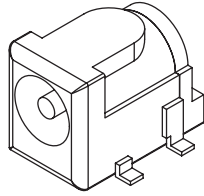
## MECHANICAL DRAWING

units: mm[inches]

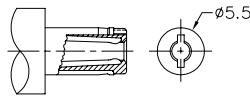
tolerance: X.X  $\pm 0.2$ mm

X.XX  $\pm 0.1$ mm

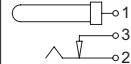
X.XXX  $\pm 0.05$ mm



PCB LAYOUT  
TOP VIEW



MATING PLUG  
Jack Insertion Depth: 8.9 mm

SCHEMATIC	
Model	Center Pin
PJ-002AH-SMT	$\varnothing 2.0$ mm

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

## REVISION HISTORY

rev.	description	date
1.0	initial release	10/19/2005
1.01	updated operating temperature	06/17/2011
1.02	added jack insertion depth	09/13/2012
1.03	added TR package option	11/28/2012
1.04	increased voltage rating	04/28/2016

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



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