

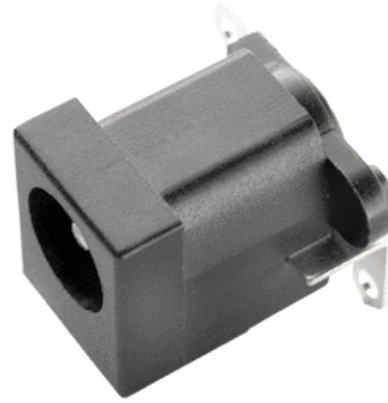

CUI INC[®]
date 08/30/2013

page 1 of 3

MODEL: PJ-006B-SMT | **DESCRIPTION:** DC POWER JACK

FEATURES

- 2.5mm center pin
- 4 A rating
- vertical orientation
- surface mount (SMT)

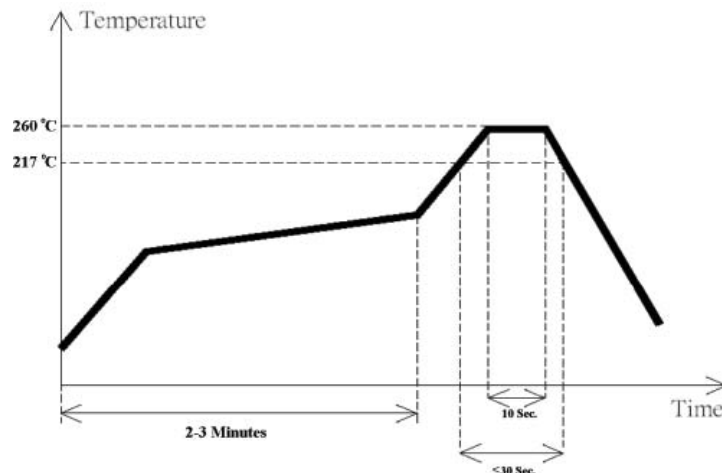

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			18		Vdc
rated input current				4	A
contact resistance ¹	between terminal and mating plug			50	mΩ
	between terminal in a closed circuit			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: 1. When measured at a current of less than 1 A
2. Add suffix "-TR" to the model number for tape & reel packaging

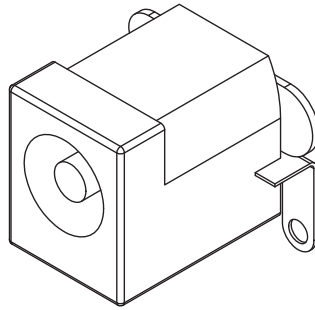
SOLDERABILITY

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

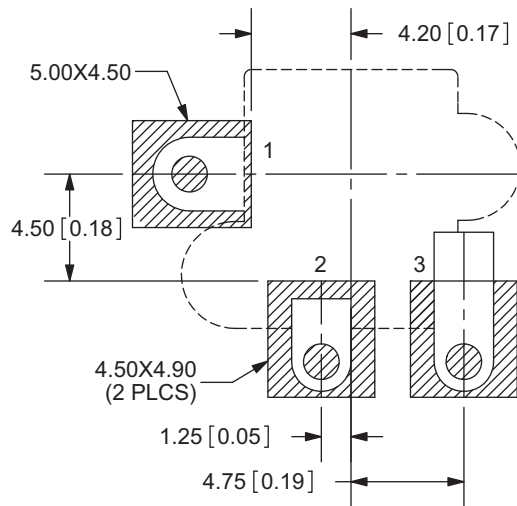
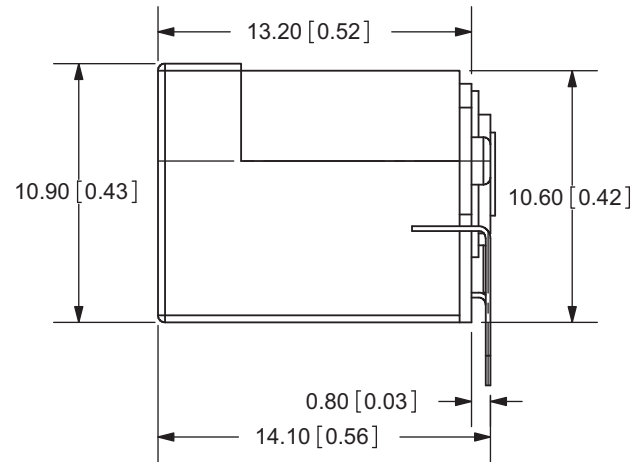
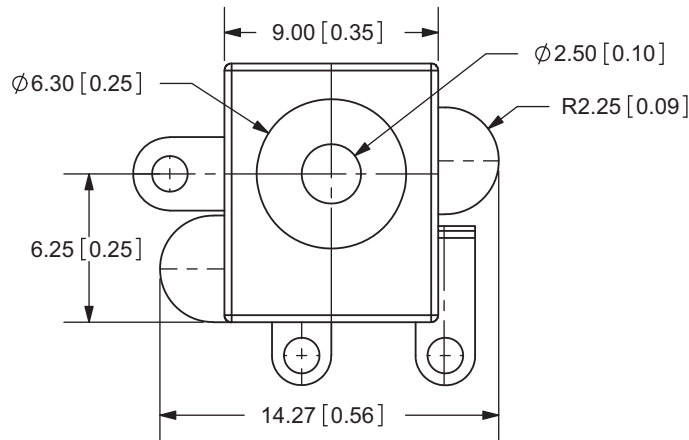


MECHANICAL DRAWING

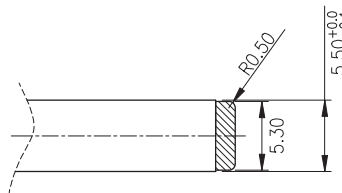
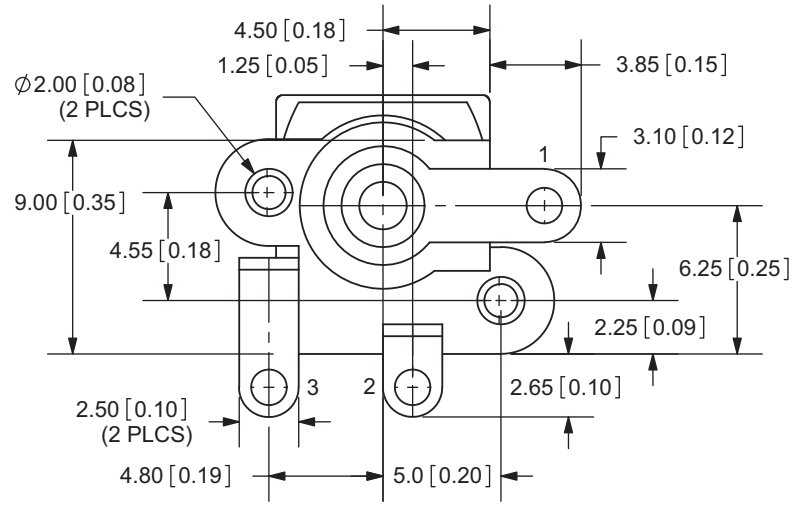
units: mm[inches]
tolerance:
X.X ± 0.3 mm
X.XX ± 0.2 mm



	MATERIAL	PLATING
center pin	copper alloy	nickel plated
terminal 1	copper alloy	silver plated
terminal 2	copper alloy	silver plated
terminal 3	copper alloy	silver plated
plastic (housing)	LCP	
plastic (bottom cover)	PA10T	



PCB LAYOUT
TOP VIEW



MATING PLUG
Jack Insertion Depth: 8.95mm

SCHEMATIC	
Model	PJ-006B-SMT
Center Pin	Ø2.5 mm

Note: All specifications measured at 5~35°C, humidity at 40~85%, under standard atmospheric pressure, unless otherwise noted.

REVISION HISTORY

rev.	description	date
1.0	initial release	12/12/2005
1.01	added missing dimensions	10/18/2007
1.02	housing material changed	02/09/2011
1.03	added TR package option	11/07/2012
1.04	applied new spec template, updated rating	08/30/2013

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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