CUI DEVICES

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

FEATURES

- 2.0mm center pin
- 4 A rating
- vertical orientation
- surface mount (SMT)

RoHS

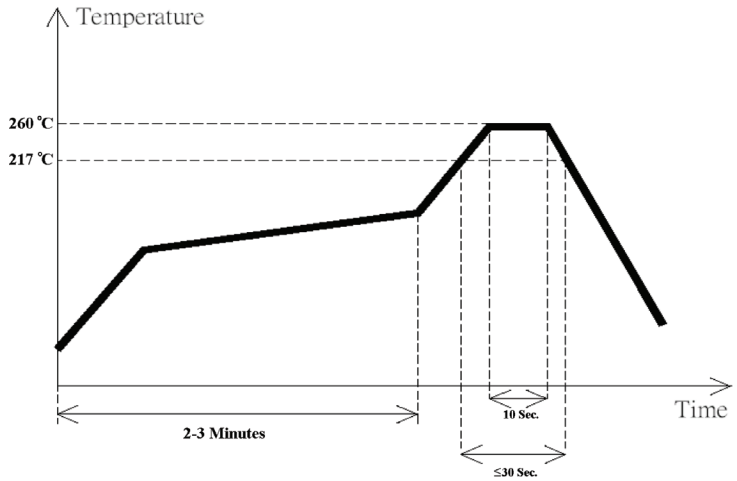
SPECIFICATIONS

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 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	yes				

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

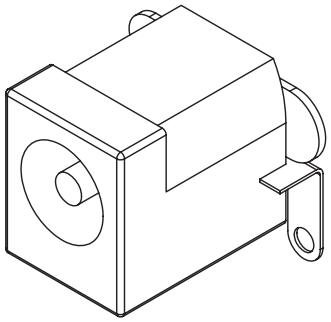
SOLDERABILITY

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

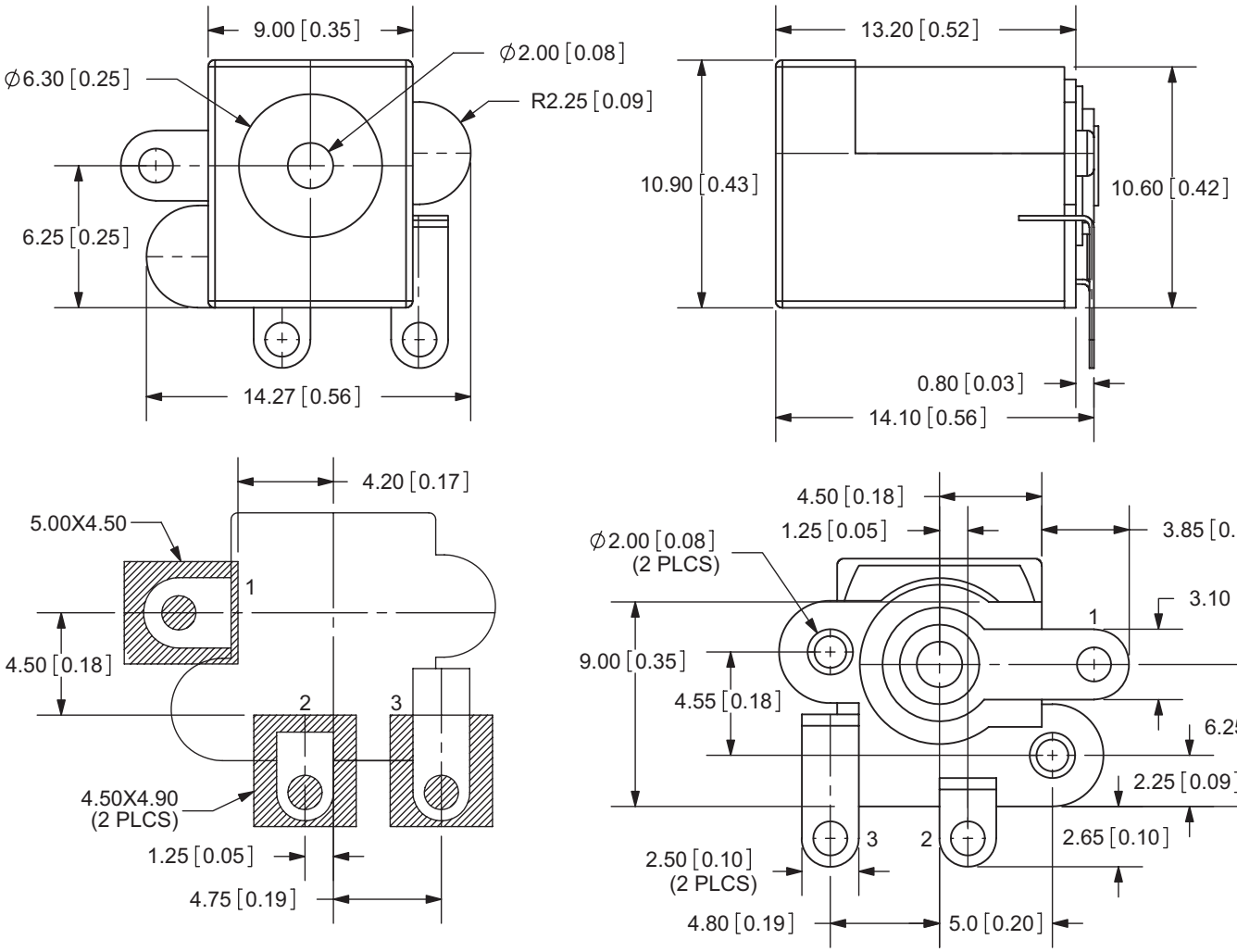


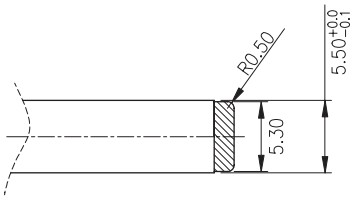
MECHANICAL DRAWING

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

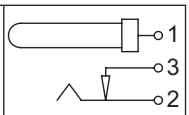


	MATERIAL	PLATING
center pin	copper alloy	nickel plated
terminal 1	copper alloy	silver plated
terminal 2	copper alloy	silver plated
terminal 3	copper alloy	silver plated
plastic (housing)	LCP	
plastic (bottom cover)	PA10T	





MATING PLUG
Jack Insertion Depth: 8.95mm

SCHEMATIC	
Model	PJ-006A-SMT
Center Pin	Ø2.0 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
1.05	brand update	10/30/2019

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