CUI DEVICES



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

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



RoHS

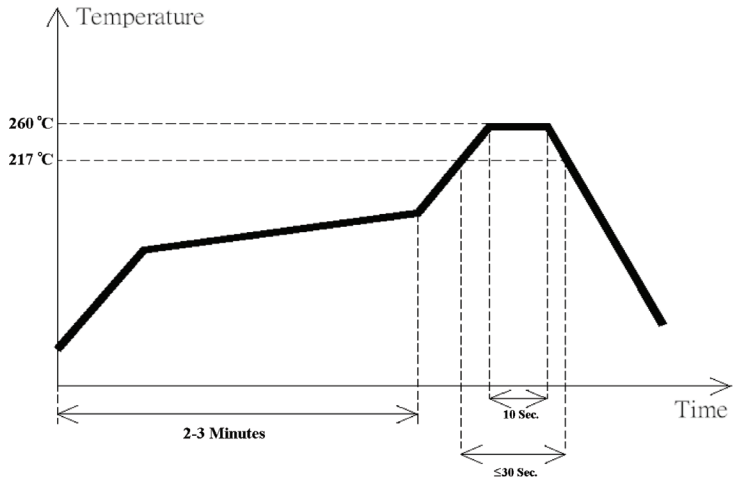
## SPECIFICATIONS

| 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<br>between terminal in a closed circuit | | | 50<br>30 | mΩ<br>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.

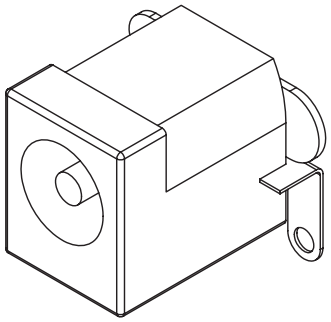
## SOLDERABILITY

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

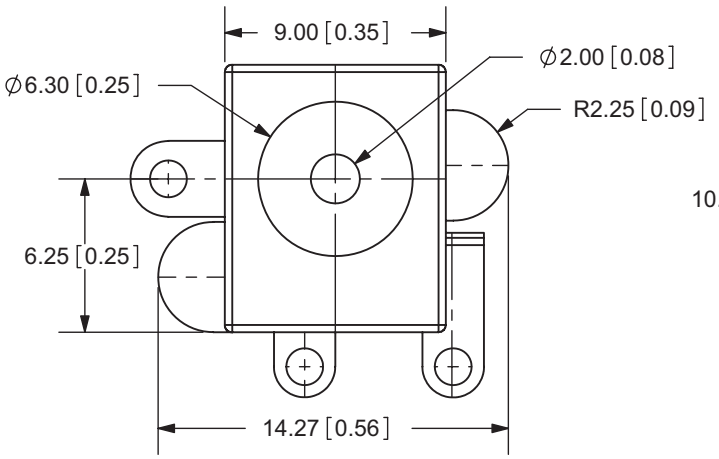


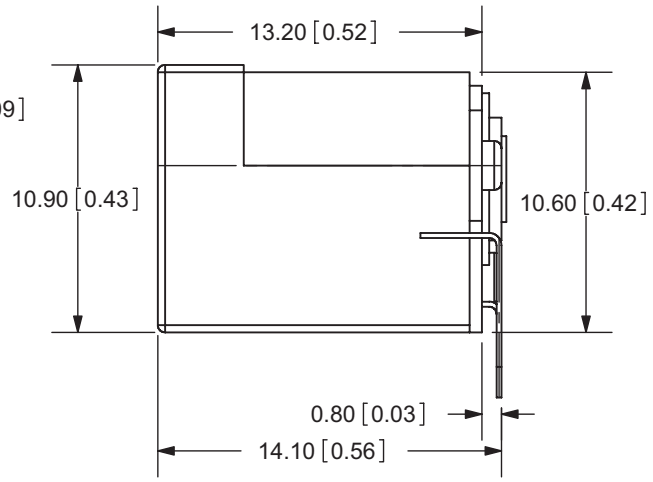
## MECHANICAL DRAWING

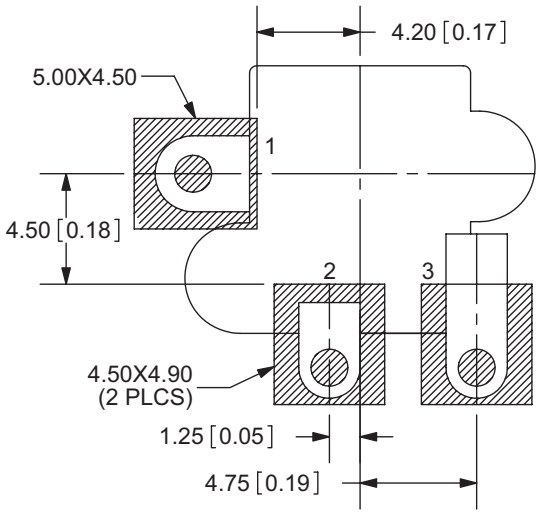
units: mm[inches]
tolerance:
X.X ±0.3mm
X.XX ±0.2mm

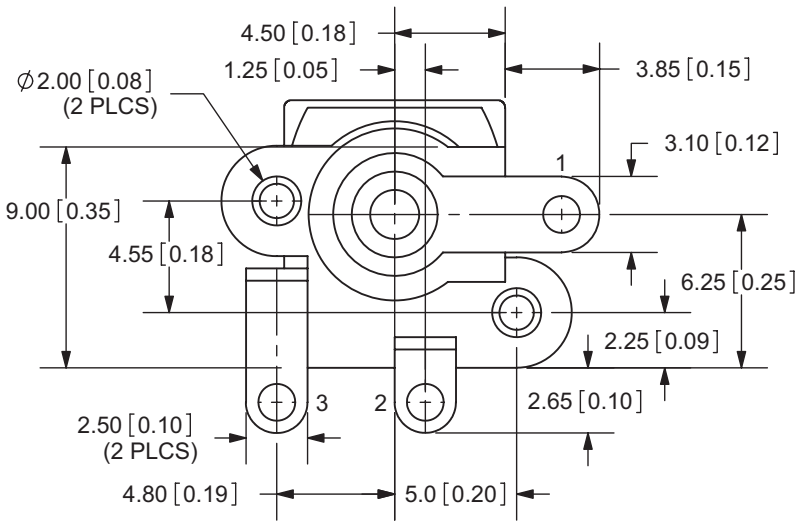


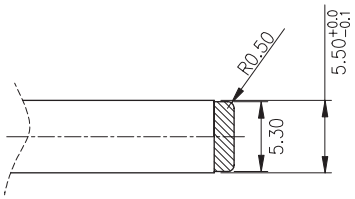
| | MATERIAL | PLATING |
|---|---|---|
| center pin | copper alloy | nickel plated |
| terminal 1 | copper alloy | silver plated |
| terminal 2 | copper alloy | silver plated |
| terminal 3 | copper alloy | silver plated |
| plastic (housing) | LCP | |
| plastic (bottom cover) | PA10T | |



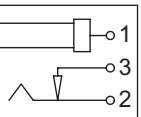



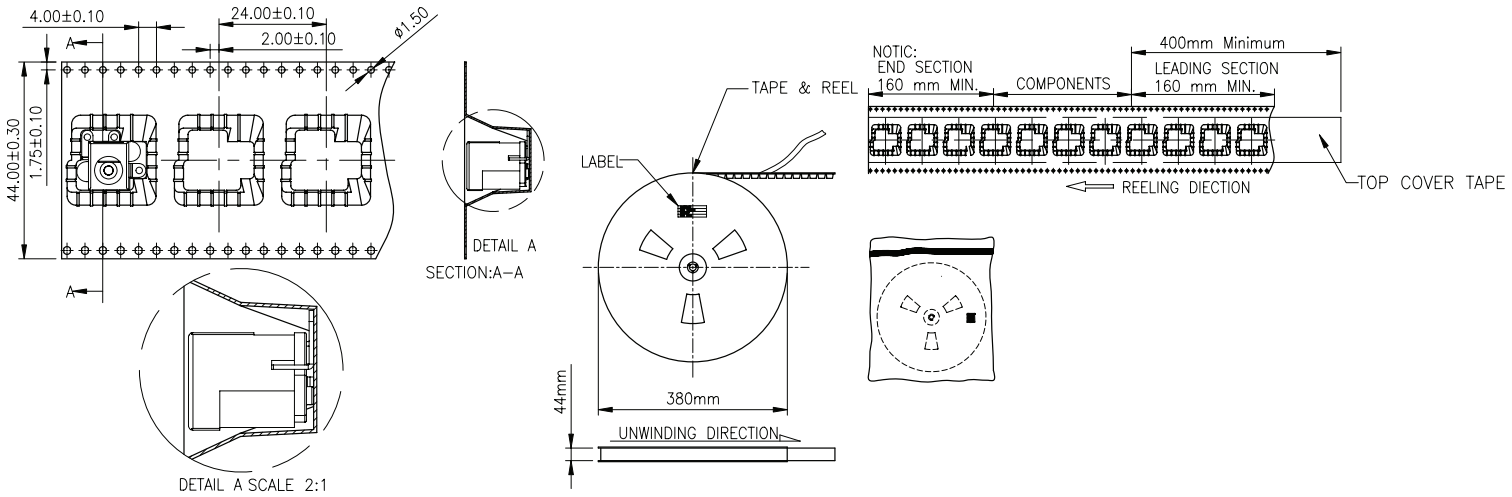

MATING PLUG
Jack Insertion Depth: 8.95mm

| | |
|---|---|
| SCHEMATIC |  |
| Model | PJ-006A-SMT |
| Center Pin | Ø2.0 mm |

## PACKAGING

units: mm

Reel Size: Ø380
Reel QTY: 250 pcs per reel



## 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 |
| 1.06 | added tape and reel packaging drawings | 09/04/2020 |

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

CUI DEVICES

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