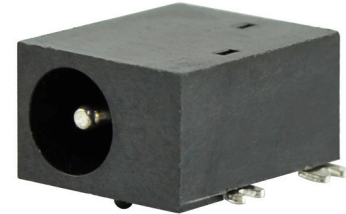


**MODEL:** PJ-014CH-SMT-TR | **DESCRIPTION:** DC POWER JACK

**FEATURES**

- low profile
- 3.5 A current rating

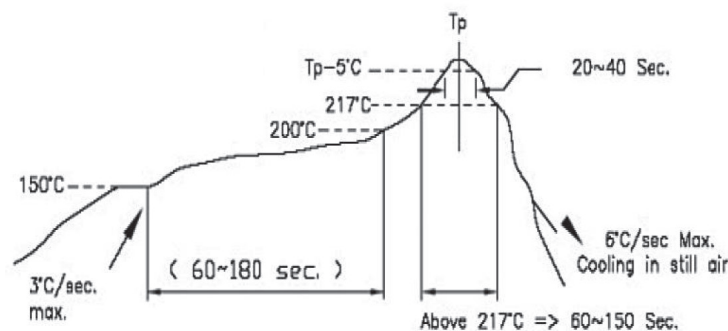

**SPECIFICATIONS**

| parameter                  | conditions/description | min | typ   | max | units  |
|----------------------------|------------------------|-----|-------|-----|--------|
| rated input voltage        |                        |     | 24    |     | Vdc    |
| rated input current        |                        |     |       | 3.5 | A      |
| contact resistance         |                        |     |       | 30  | mΩ     |
| insulation resistance      | at 500 Vdc             | 100 |       |     | MΩ     |
| voltage withstand          | for 1 minute           |     |       | 500 | Vac    |
| insertion/withdrawal force |                        | 0.3 |       | 2   | kg     |
| operating temperature      |                        | -25 |       | 85  | °C     |
| life                       |                        |     | 5,000 |     | cycles |
| flammability rating        | UL94V-0                |     |       |     |        |
| RoHS                       | yes                    |     |       |     |        |

**SOLDERABILITY**

| parameter                      | conditions/description   | min | typ | max | units |
|--------------------------------|--|-----|-----|-----|-------|
| reel storage                   | 10~30°C, <70% humidity   |     |     |     | °C    |
| reflow soldering <sup>1</sup>  | see reflow profile   | 255 | 260 |     | °C    |
| drying conditions <sup>2</sup> | parts in reel: bake at 110°C for 4 hours<br>parts removed from reel: bake at 110°C for 4 hours |     |     |     |       |

Note: 1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.  
2. When exceeding floor life by >240 hours.



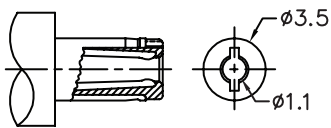
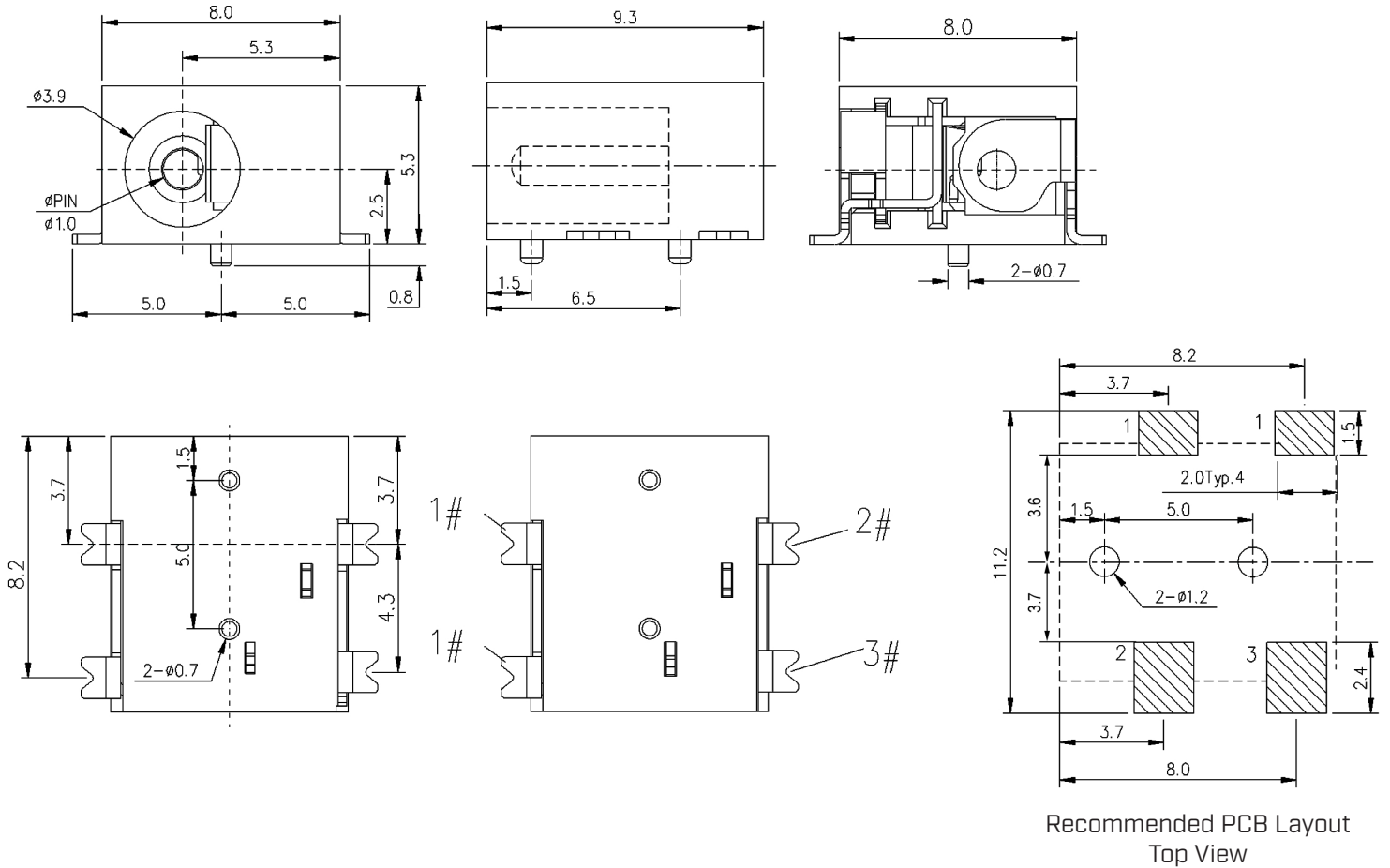
\* Time 25°C to Peak Temp. ---- 8 Minutes Max.

\* Time within 5°C of Actual Peak Temp. -- 20~40 Seconds

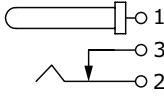
## MECHANICAL DRAWING

units: mm  
 tolerance:  
 X. ±0.15 mm  
 X.X ±0.10 mm  
 X.XX ±0.05 mm  
 PCB: ±0.10 mm  
 unless otherwise specified

| DESCRIPTION | MATERIAL        | PLATING/COLOR |
|-------------|-----------------|---------------|
| center pin  | brass           | silver        |
| terminal 1  | brass t=0.50    | silver        |
| terminal 2  | bronze t=0.25   | silver        |
| terminal 3  | brass t=0.50    | silver        |
| housing     | PA10T (UL94V-0) | black         |



MATING PLUG  
 Jack Insertion Depth: 5.9 mm

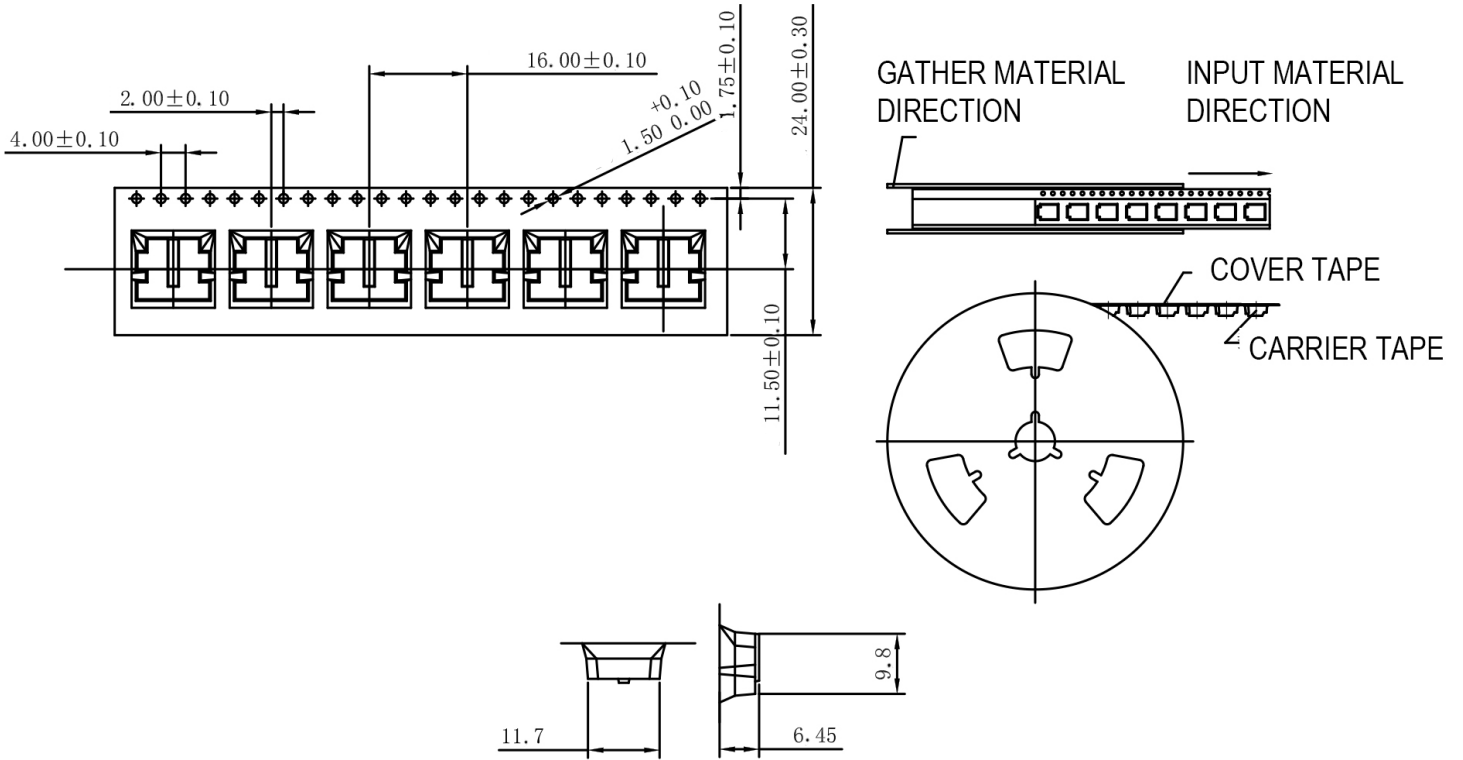
|            |   |
|------------|---|
| Schematic  |  |
| Model      | PJ-014CH-SMT-TR   |
| Center Pin | Ø1.0 mm   |

## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 700 pcs per reel



## REVISION HISTORY

| rev. | description   | date       |
|------|---|------------|
| 1.0  | initial release   | 10/13/2005 |
| 1.01 | added TR package option   | 11/07/2012 |
| 1.02 | updated template  | 11/19/2012 |
| 1.03 | increased voltage rating  | 04/28/2016 |
| 1.04 | added storage and drying conditions, and tape and reel packaging details                      | 08/30/2017 |
| 1.05 | brand update  | 10/23/2019 |
| 1.06 | logo, datasheet style update  | 08/05/2022 |
| 1.07 | product reengineered for improved manufacturability and production yield, see PCN for details | 12/19/2022 |

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



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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