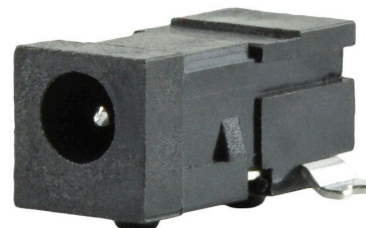


MODEL: PJ1-022-SMT-TR | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 0.65 mm center pin
- 2.5 A rating
- right angle orientation
- surface mount (SMT)
- internal switch

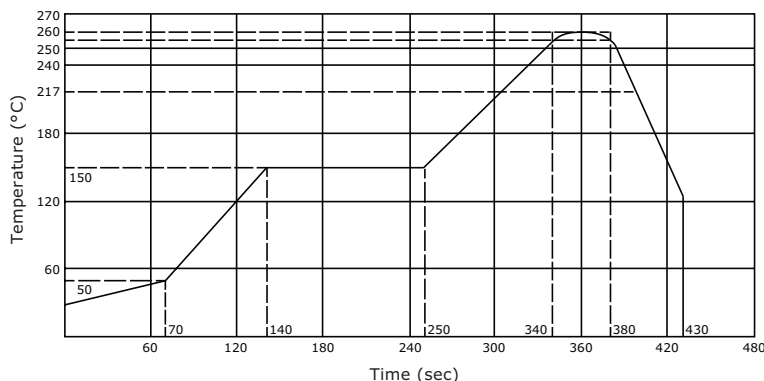
**SPECIFICATIONS**

| parameter | conditions/description | min | typ | max | units |
|----------------------------|------------------------|-----|-------|-----|--------|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 2.5 | A |
| contact resistance | | | | 30 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | 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 | at relative humidity <80% | | | 40 | °C |
| reflow soldering ¹ | see reflow profile | 255 | 260 | 265 | °C |
| drying conditions ² | parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours | | | | |

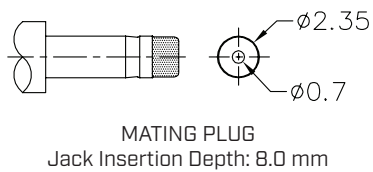
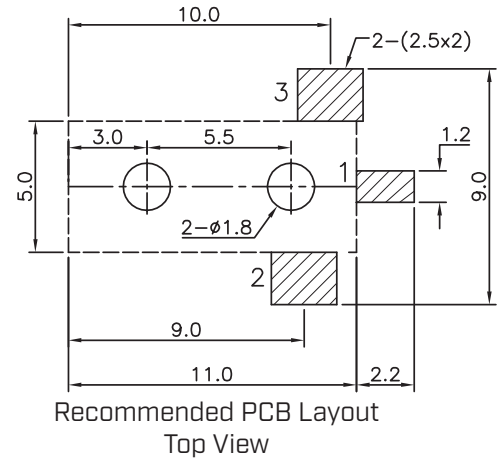
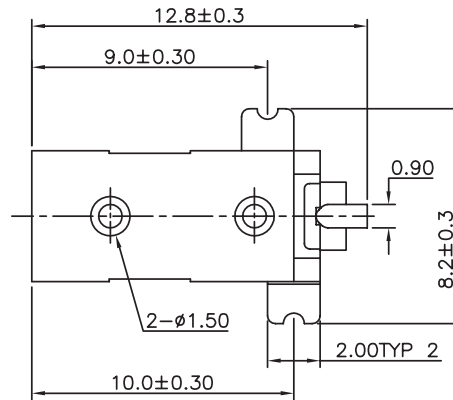
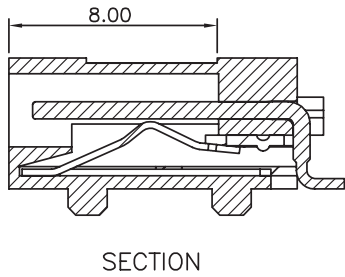
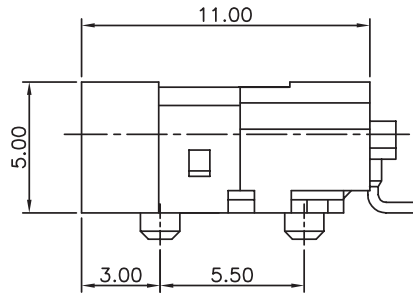
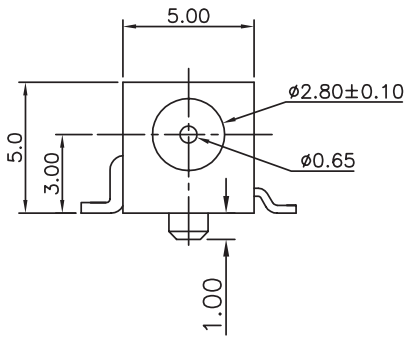
Note: 1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <80%.
2. When exceeding floor life by >72 hours.



MECHANICAL DRAWING

units: mm
 tolerance:
 X. ± 0.50 mm
 X.X ± 0.30 mm
 X.XX ± 0.20 mm
 X.XXX ± 0.10 mm
 PCB: ± 0.05 mm
 unless otherwise specified

| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|-----------------|---------------|
| center pin | bronze | silver |
| terminal 1 | bronze | silver |
| terminal 2 | SUS301 t=0.25 | silver |
| terminal 3 | brass t=0.40 | silver |
| housing | PA10T (UL94V-0) | black |



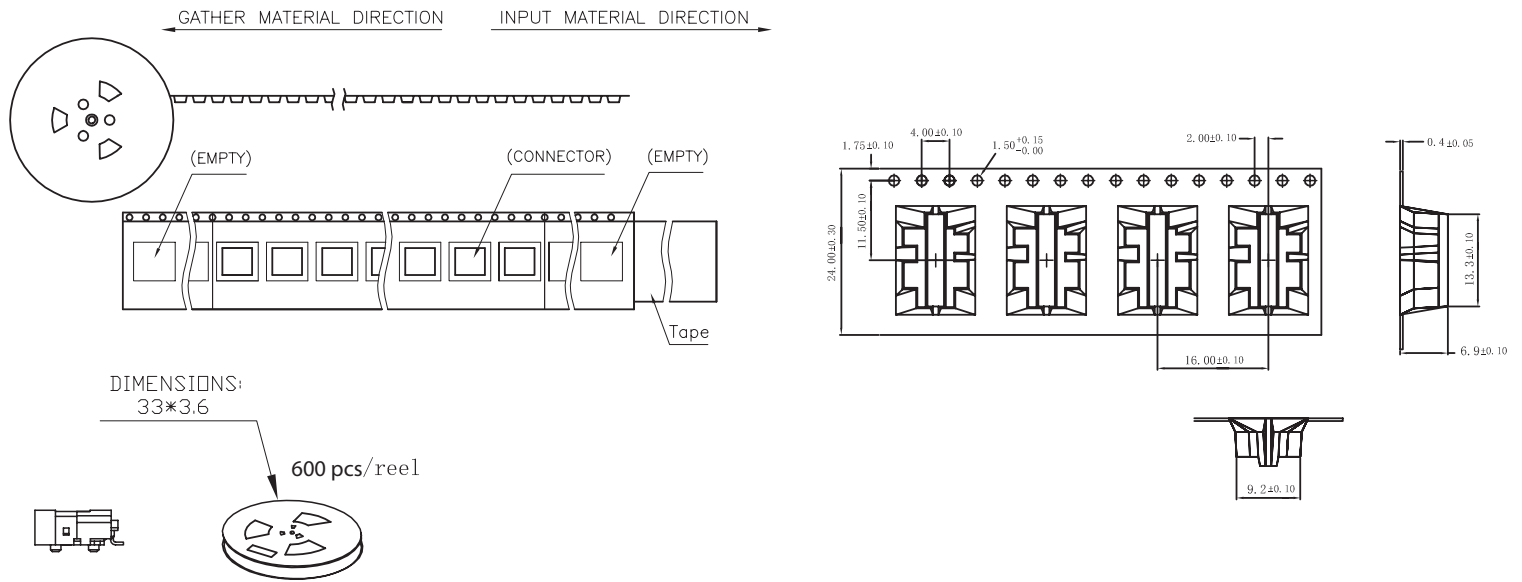
| | |
|------------|-------------|
| SCHEMATIC | |
| Model | PJ1-022-SMT |
| Center Pin | Ø0.65 mm |

PACKAGING

units: mm

Reel Size: $\varnothing 330$ mm

Reel QTY: 600 pcs per reel



REVISION HISTORY

| rev. | description | date |
|------|---|------------|
| 1.0 | initial release | 10/21/2005 |
| 1.01 | dimensions updated | 05/23/2006 |
| 1.02 | added TR package option and jack insertion depth | 11/07/2012 |
| 1.03 | applied new spec template | 08/22/2013 |
| 1.04 | increased voltage rating | 04/26/2016 |
| 1.05 | added storage and drying conditions, and tape and reel packaging details | 07/25/2017 |
| 1.06 | brand update | 10/21/2019 |
| 1.07 | product reengineered for improved manufacturability and production yield, see PCN for details | 12/14/2022 |

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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