

date 01/11/2023

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MODEL: PJ-034-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

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





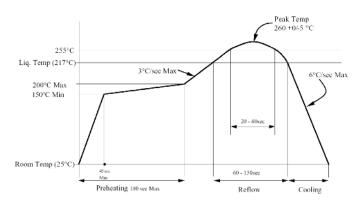
SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|----------------------------|------------------------|-----|-------|-----|--------|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 1.0 | Α |
| contact resistance | | | | 50 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | МΩ |
| 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

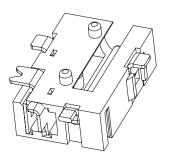
| parameter | conditions/description | min | typ | max | units |
|------------------|-------------------------|-----|-----|-----|-------|
| reel storage | 5~25°C, 20~75% humidity | | | | |
| reflow soldering | see reflow profile | 255 | 260 | | °C |

Note: 1. CUI Devices recommends usage of the product within 24 hours after T&R is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.

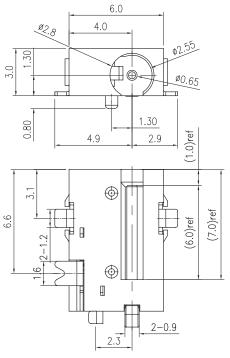


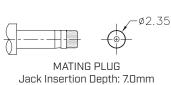
MECHANICAL DRAWING

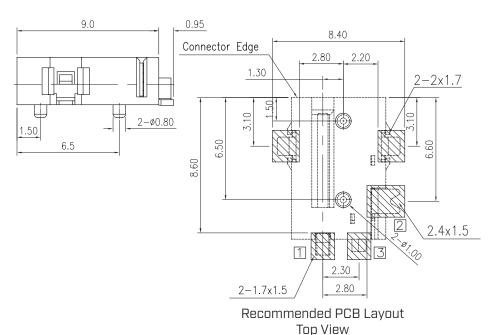
units: mm tolerance: X.X ±0.30 mm X.XX ±0.25 mm X.XXX ±0.15 mm PCB: ±0.05 mm unless otherwise specified



| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|---------------------------|---------------------------|
| center pin | brass | silver over nickel |
| terminal 1 | brass | silver over nickel |
| terminal 2 | berylium bronze t=0.20 | gold flash over nickel |
| terminal 3 | brass t=0.20 | gold flash over nickel |
| supports | brass t=0.25 | silver over nickel |
| stopper | brass t=0.25 | silver over nickel |
| housing | PA10T (UL94V-0) | black |





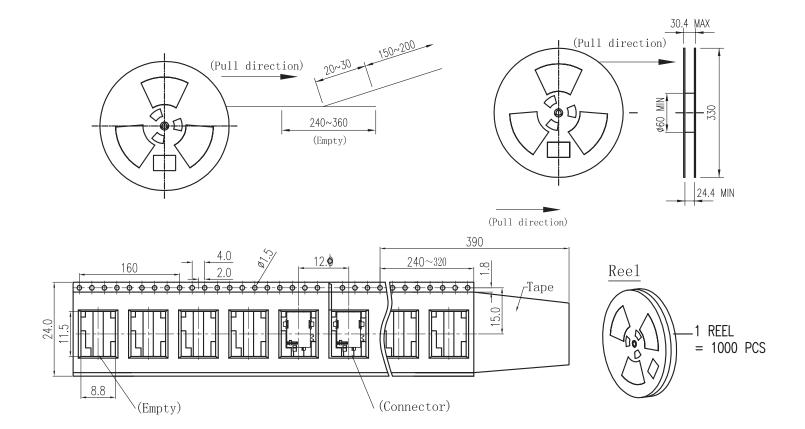


| SCHEMATIC | 01 03 02 |
|------------|----------------|
| Model | PJ-034-SMT |
| Center Pin | Ø0.65 mm |

PACKAGING

units: mm

Reel Size: Ø330 mm Reel QTY: 1,000 pcs per reel



REVISION HISTORY

| rev. | description | date | |
|------|--|------------|--|
| 1.0 | initial release | 02/02/2007 | |
| 1.01 | added TR package option and jack insertion depth | 11/07/2012 | |
| 1.02 | applied new spec template | 08/28/2013 | |
| 1.03 | terminal 2 material changed to phosphor bronze, appearance of supports modified | 05/13/2015 | |
| 1.04 | increased voltage rating | 05/18/2016 | |
| 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 | logo, datasheet style update | 08/05/2022 | |
| 1.08 | product reengineered for improved manufacturability and production yield, see PCN for details | 01/11/2023 | |

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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