

**MODEL:** SJ-3501-SMT-TR | **DESCRIPTION:** MID MOUNT AUDIO JACK**FEATURES**

- mid mount for low profile applications
- dual tip contact configuration
- dual sleeve contact

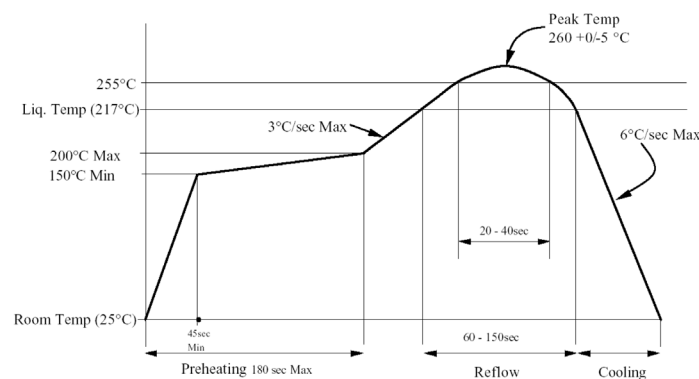
**SPECIFICATIONS**

| parameter                  | conditions/description                                                   | min | typ   | max      | units    |
|----------------------------|--------------------------------------------------------------------------|-----|-------|----------|----------|
| rated input voltage        |                                                                          |     | 12    |          | Vdc      |
| rated input current        |                                                                          |     |       | 1        | A        |
| contact resistance         | 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          | 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**

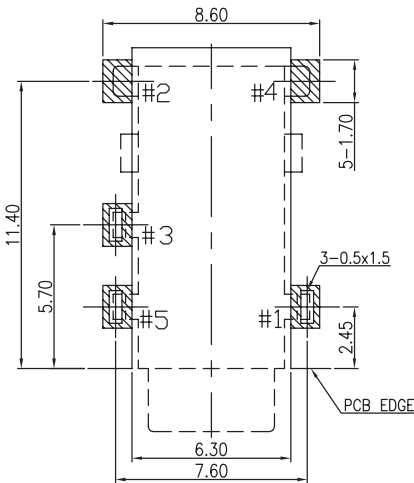
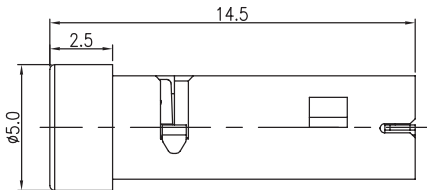
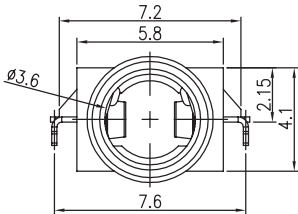
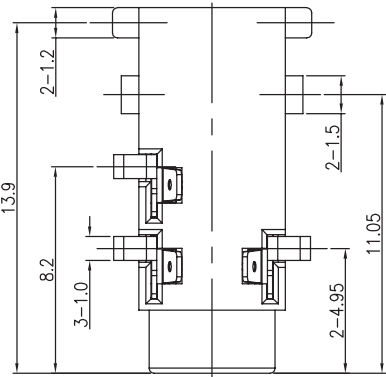
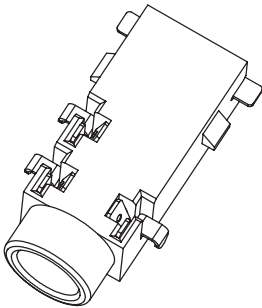
| parameter        | conditions/description  | min | typ | max | units |
|------------------|-------------------------|-----|-----|-----|-------|
| reel storage     | 5~25°C, 20~75% humidity |     |     |     |       |
| reflow soldering | see reflow profile      | 255 | 260 |     | °C    |

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.

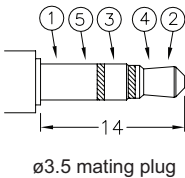


MECHANICAL DRAWING

units: mm  
tolerance:  
X.X ±0.3 mm  
X.XX ±0.25 mm  
X.XXX ±0.20 mm  
PCB: ±0.05 mm  
unless otherwise specified



Recommended PCB Layout  
Top View



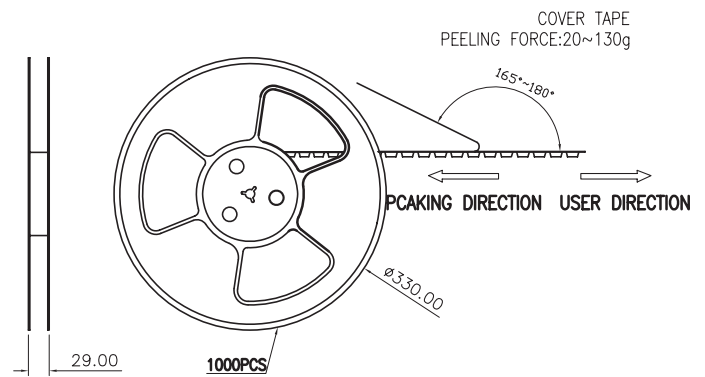
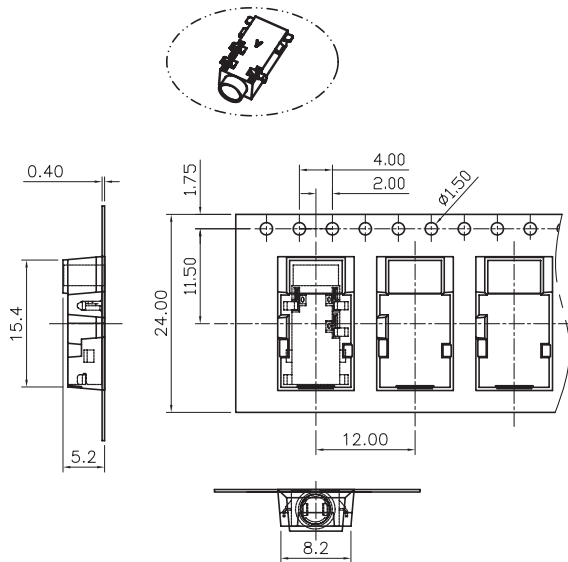
|           |                |
|-----------|----------------|
| Model No. | SJ-3501-SMT-TR |
| Schematic |                |
| PIN       |                |
| 1         | sleeve         |
| 2         | tip            |
| 3         | ring           |
| 4         | tip            |
| 5         | sleeve         |

## PACKAGING

units: mm

Reel Size: Ø330 mm

Reel QTY: 1,000 pcs per reel



## REVISION HISTORY

| rev. | description                                                                                   | date       |
|------|-----------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                               | 06/09/2011 |
| 1.01 | added TR package option                                                                       | 11/28/2012 |
| 1.02 | updated spec                                                                                  | 10/08/2014 |
| 1.03 | added storage and drying conditions, and tape and reel packaging details                      | 02/16/2018 |
| 1.04 | brand update                                                                                  | 10/08/2019 |
| 1.05 | product reengineered for improved manufacturability and production yield, see PCN for details | 11/16/2022 |

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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