

**MODEL:** SJ-3502-SMT-TR | **DESCRIPTION:** AUDIO JACK**FEATURES**

- mid mount for low profile applications
- shielded
- no internal switches

**SPECIFICATIONS**

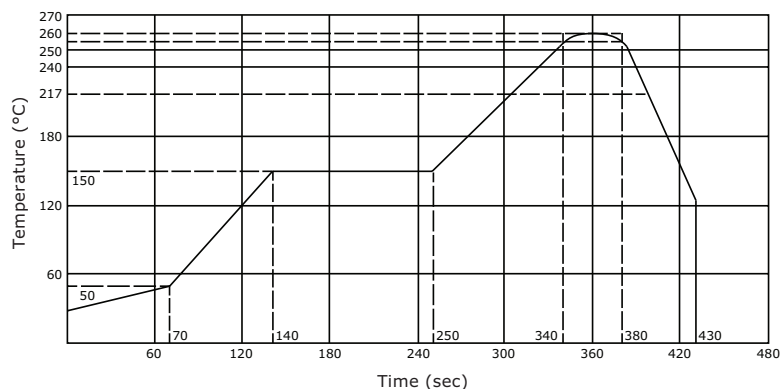
| parameter                       | conditions/description                                                   | min | typ   | max      | units    |
|---------------------------------|--------------------------------------------------------------------------|-----|-------|----------|----------|
| rated input voltage             |                                                                          |     | 12    |          | Vdc      |
| rated input current             |                                                                          |     |       | 1        | A        |
| contact resistance <sup>1</sup> | 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                            | at a rate of 500±50 cycles/hour                                          |     | 5,000 |          | cycles   |
| flammability rating             | UL94V-0                                                                  |     |       |          |          |
| RoHS                            | yes                                                                      |     |       |          |          |

Note: 1. When measured at a current of less than 100 mA/1 kHz

**SOLDERABILITY**

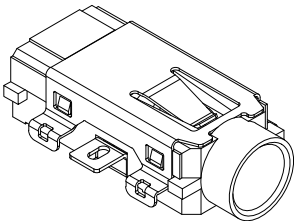
| parameter                      | conditions/description                                                                                   | min | typ | max | units |
|--------------------------------|----------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| reel storage                   | at relative humidity <80%                                                                                |     |     | 40  | °C    |
| reflow soldering <sup>2</sup>  | see reflow profile                                                                                       | 255 | 260 | 265 | °C    |
| drying conditions <sup>3</sup> | parts in reel: bake at 40°C ±5°C for 72 hours<br>parts removed from reel: bake at 40°C ±5°C for 10 hours |     |     |     |       |

Note: 2. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.  
3. When exceeding floor life by >72 hours.

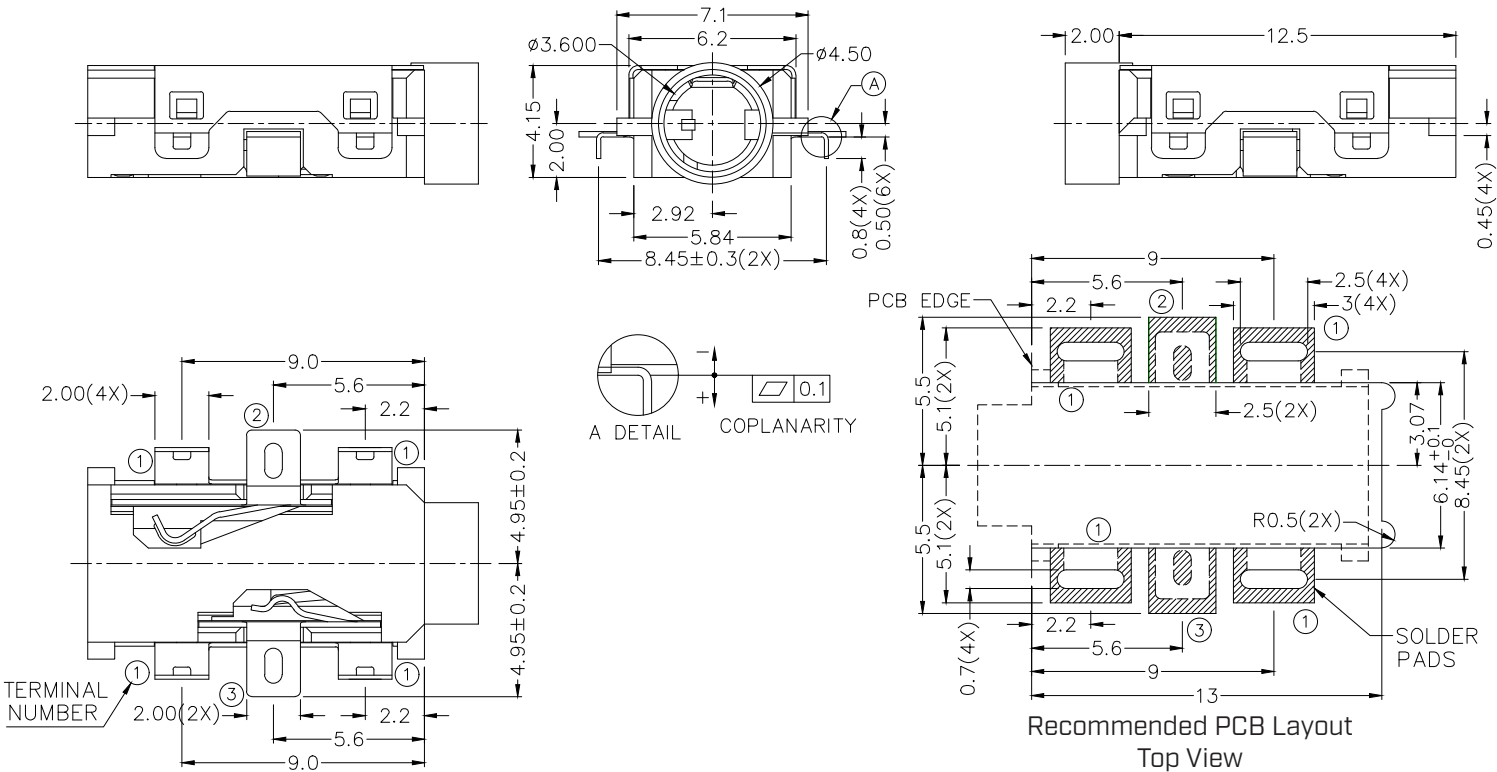


MECHANICAL DRAWING

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



| DESCRIPTION | MATERIAL        | PLATING/COLOR      |
|-------------|-----------------|--------------------|
| terminal 1  | stainless steel | silver over nickel |
| terminal 2  | copper alloy    | silver over nickel |
| terminal 3  | copper alloy    | silver over nickel |
| housing     | PA10T (UL94V-0) | black              |



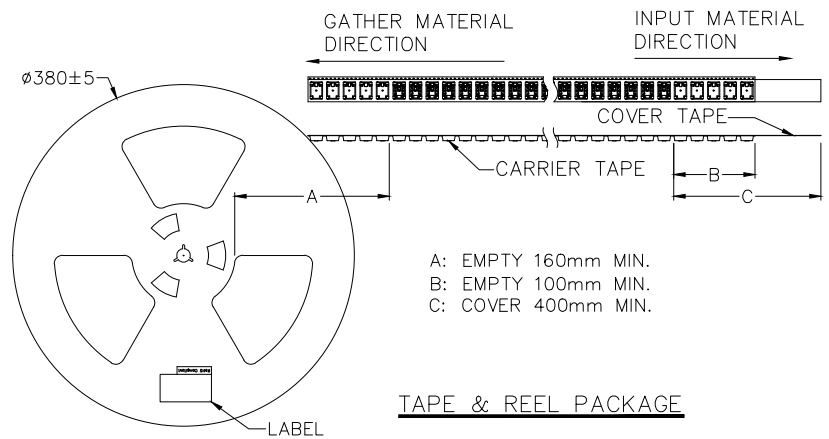
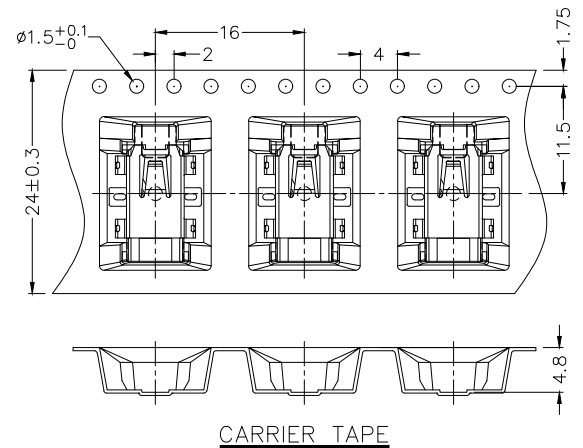
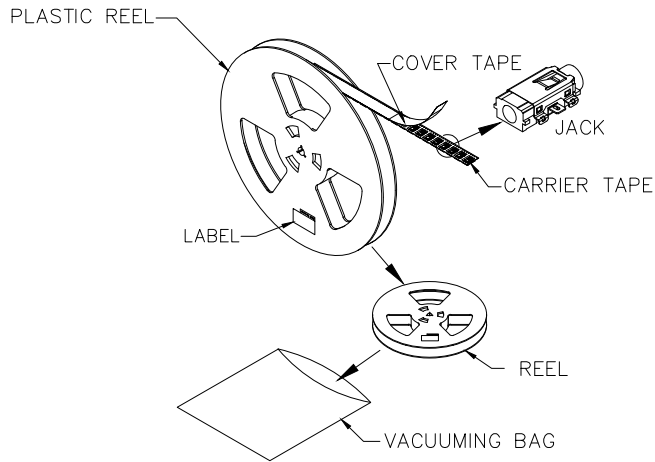
|           |                |
|-----------|----------------|
| Model No. | SJ-3502-SMT-TR |
| Schematic |                |
| PIN       |                |
| 1         | sleeve         |
| 2         | tip            |
| 3         | ring           |

## PACKAGING

units: mm

Reel Size:  $\varnothing 380$  mm

Reel QTY: 1,200 pcs per reel



REVISION HISTORY

| rev. | description                                                                                   | date       |
|------|-----------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                               | 06/28/2011 |
| 1.01 | added TR package option, updated spec.                                                        | 11/28/2012 |
| 1.02 | added storage and drying conditions, and tape and reel packaging details                      | 02/16/2018 |
| 1.03 | added detail to PCB layout recommendation                                                     | 08/06/2019 |
| 1.04 | brand update                                                                                  | 10/08/2019 |
| 1.05 | product reengineered for improved manufacturability and production yield, see PCN for details | 07/10/2023 |
| 1.06 | product reengineered for improved manufacturability and production yield, see PCN for details | 06/18/2024 |
| 1.07 | CUI Devices rebranded to Same Sky                                                             | 09/12/2024 |

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



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

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