

**MODEL:** SJ-3553A-SMT-TR-67 | **DESCRIPTION:** AUDIO JACK**FEATURES**

- IP67 waterproof
- low profile
- surface mount
- mounting tab

**SPECIFICATIONS**

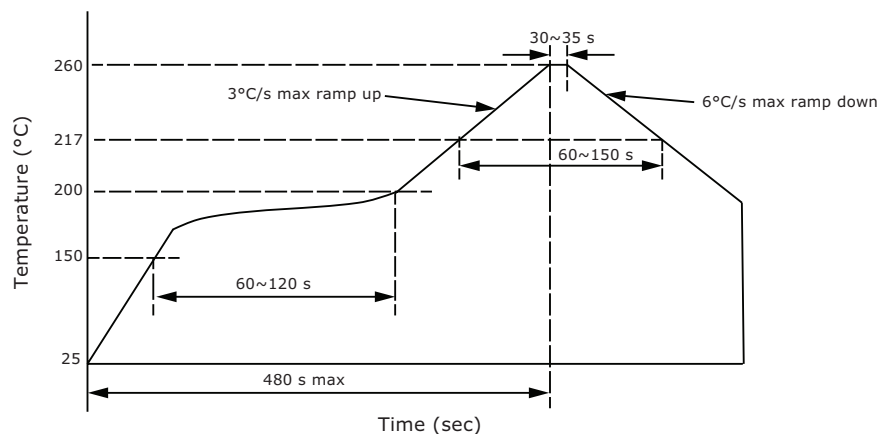
| parameter                       | conditions/description                 | min | typ    | max | units  |
|---------------------------------|----------------------------------------|-----|--------|-----|--------|
| rated input voltage             |                                        |     | 12     |     | Vdc    |
| rated input current             |                                        |     |        | 1   | A      |
| contact resistance <sup>1</sup> | between terminal and mating plug       |     |        | 50  | mΩ     |
|                                 | between terminal and shunt             |     |        | 30  | mΩ     |
| insulation resistance           | at 500 Vdc between adjacent contacts   | 100 |        |     | MΩ     |
| voltage withstand               | for 1 minute between adjacent contacts |     |        | 250 | Vac    |
| insertion/withdrawal force      |                                        | 0.4 |        | 2.0 | kg     |
| operating temperature           |                                        | -30 |        | 85  | °C     |
| life                            | at a rate of 500 cycles/hour           |     | 10,000 |     | cycles |
| flammability rating             | UL94V-0                                |     |        |     |        |
| RoHS                            | yes                                    |     |        |     |        |
| IP level                        | IP67                                   |     |        |     |        |

Note: 1. When measured at a current of less than 100 mA/1 kHz  
2. All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

**SOLDERABILITY**

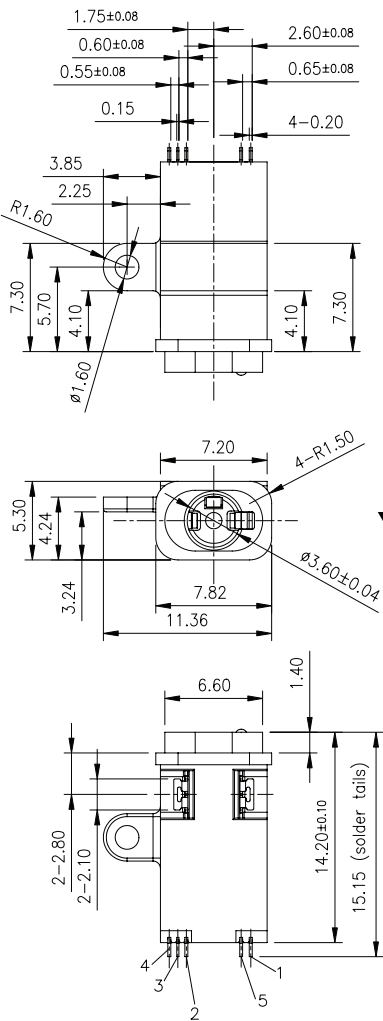
| parameter                     | conditions/description    | min | typ | max | units |
|-------------------------------|---------------------------|-----|-----|-----|-------|
| reel storage                  | at relative humidity <60% |     |     | 30  | °C    |
| reflow soldering <sup>3</sup> | see reflow profile        |     | 260 | 270 | °C    |

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

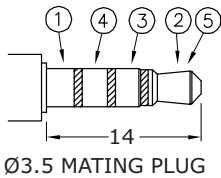
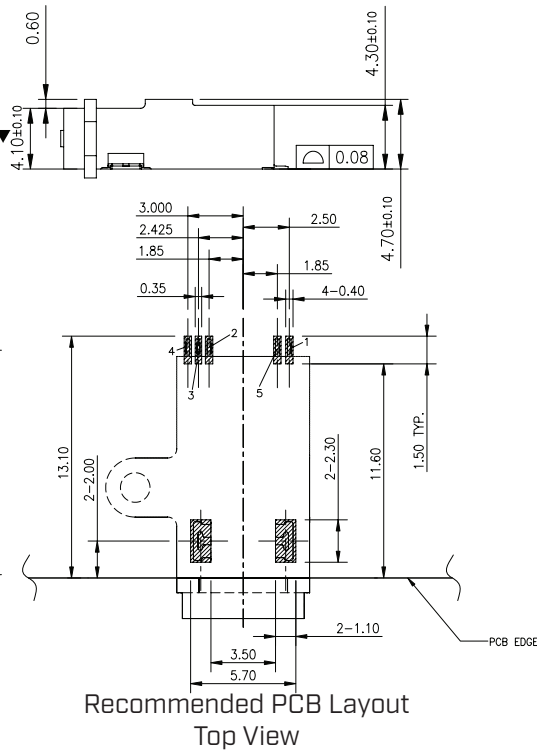


MECHANICAL DRAWING

units: mm  
tolerance:  
X.X ±0.2 mm  
X.XX ±0.15 mm  
PCB: ±0.10 mm

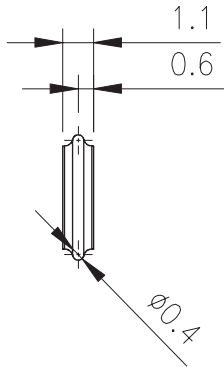
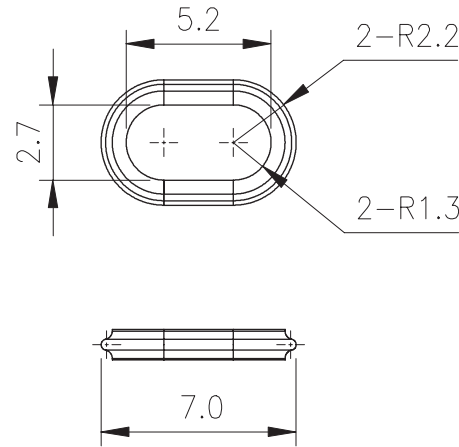


|                | MATERIAL              | PLATING                        |
|----------------|-----------------------|--------------------------------|
| assistant pin  | stainless steel       | matte tin                      |
| ring 2 contact | PBS                   |                                |
| sleeve contact | PBS                   |                                |
| tip contacts   | titanium copper alloy | gold flash over nickel overall |
| ring 1 contact | PBS                   |                                |
| cap            | PA-6T                 | black                          |
| housing        | PA-6T                 | black                          |
| o-ring (OR-60) | silicone              | black                          |



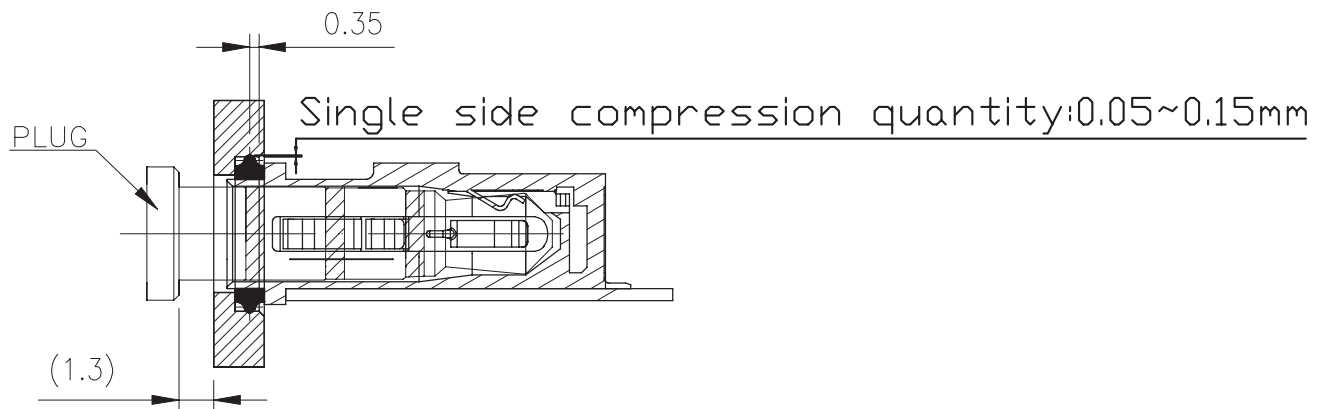
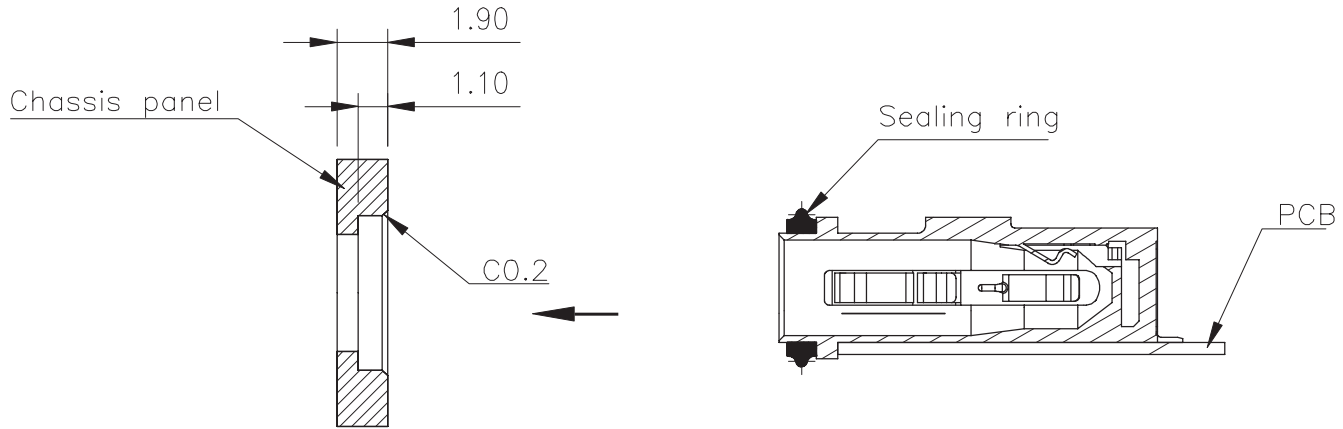
|           |        |
|-----------|--------|
| Schematic |        |
| PIN       |        |
| 1         | sleeve |
| 2         | tip    |
| 3         | ring 1 |
| 4         | ring 2 |
| 5         | tip    |

O-ring (P/N: OR-60)



## ASSEMBLY REFERENCE

Recommended seal

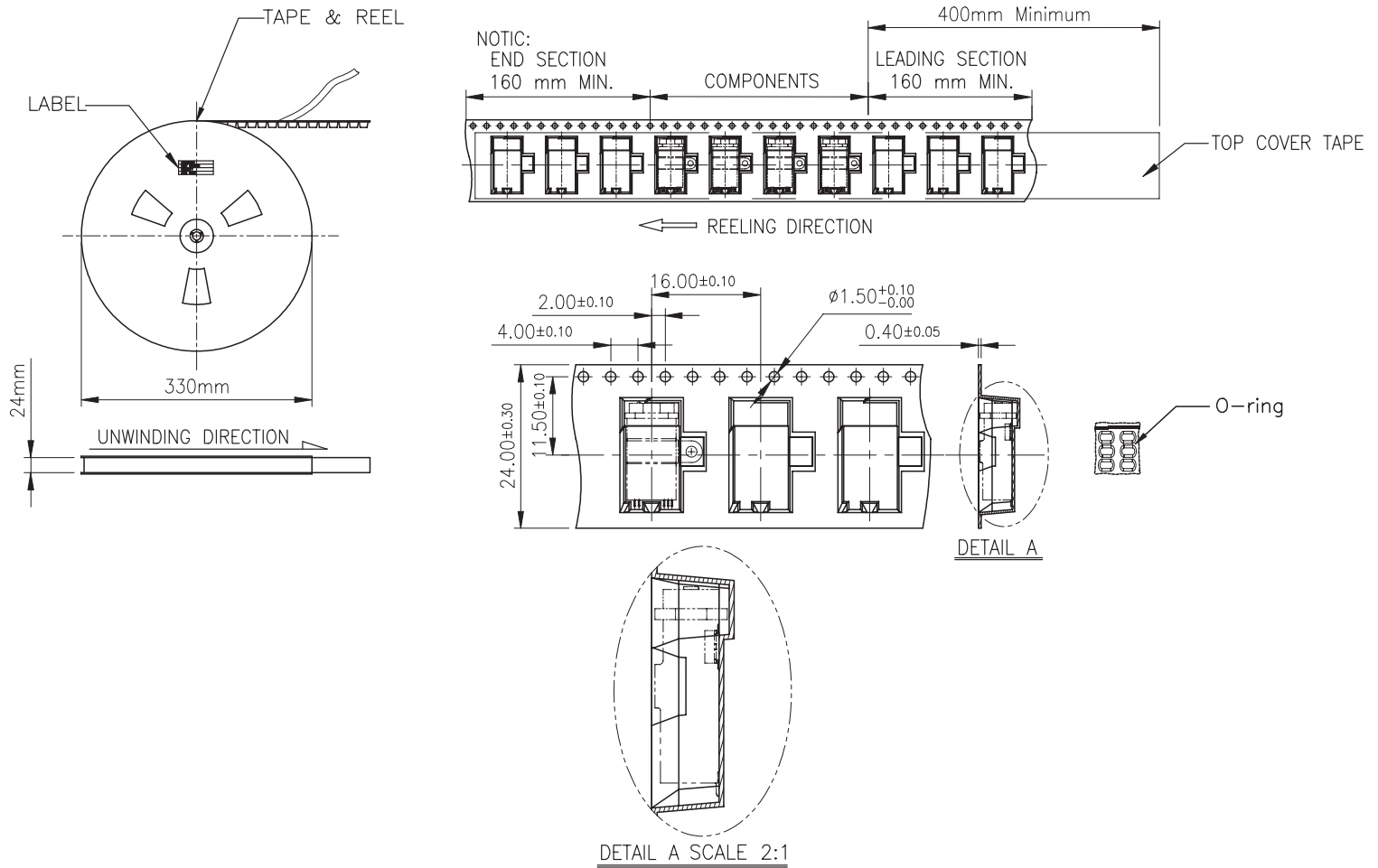


## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 700 pcs per reel



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 12/05/2018 |
| 1.01 | brand update                      | 10/08/2019 |
| 1.02 | added o-ring p/n                  | 04/07/2022 |
| 1.03 | 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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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