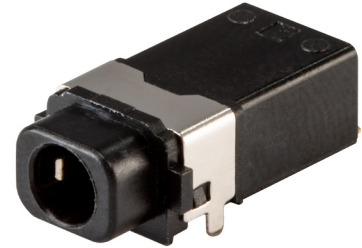


**MODEL:** SJ-3541AS-SMT-TR-67 | **DESCRIPTION:** AUDIO JACK**FEATURES**

- IP67 waterproof
- low profile
- surface mount
- reflow solder compatible
- shielded

**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 24 cycles/minute                                            |     | 5,000 |          | cycles   |
| flammability rating             | UL94V-0                                                                  |     |       |          |          |
| RoHS                            | yes                                                                      |     |       |          |          |
| IP level                        | IP67                                                                     |     |       |          |          |

Note:

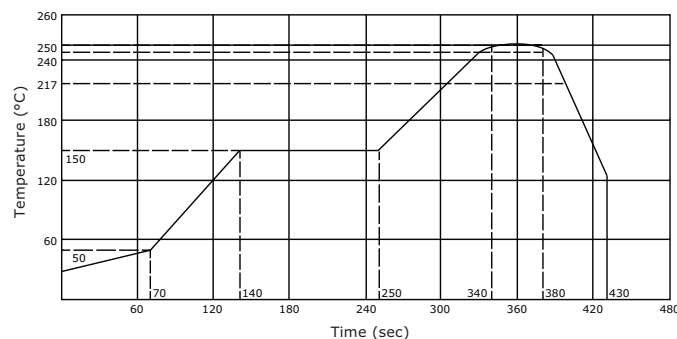
1. When measured at a current of less than 100 mA/1 kHz
2. All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

**SOLDERABILITY**

| parameter                      | conditions/description                                                                                   | min | typ | max | units |
|--------------------------------|----------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| reel storage                   | at relative humidity <80%                                                                                |     |     | 40  | °C    |
| reflow soldering <sup>3</sup>  | see reflow profile                                                                                       | 245 | 250 | 255 | °C    |
| drying conditions <sup>4</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 |     |     |     |       |

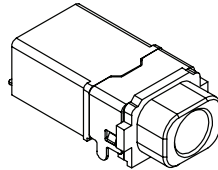
Note:

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

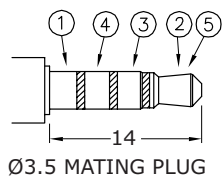
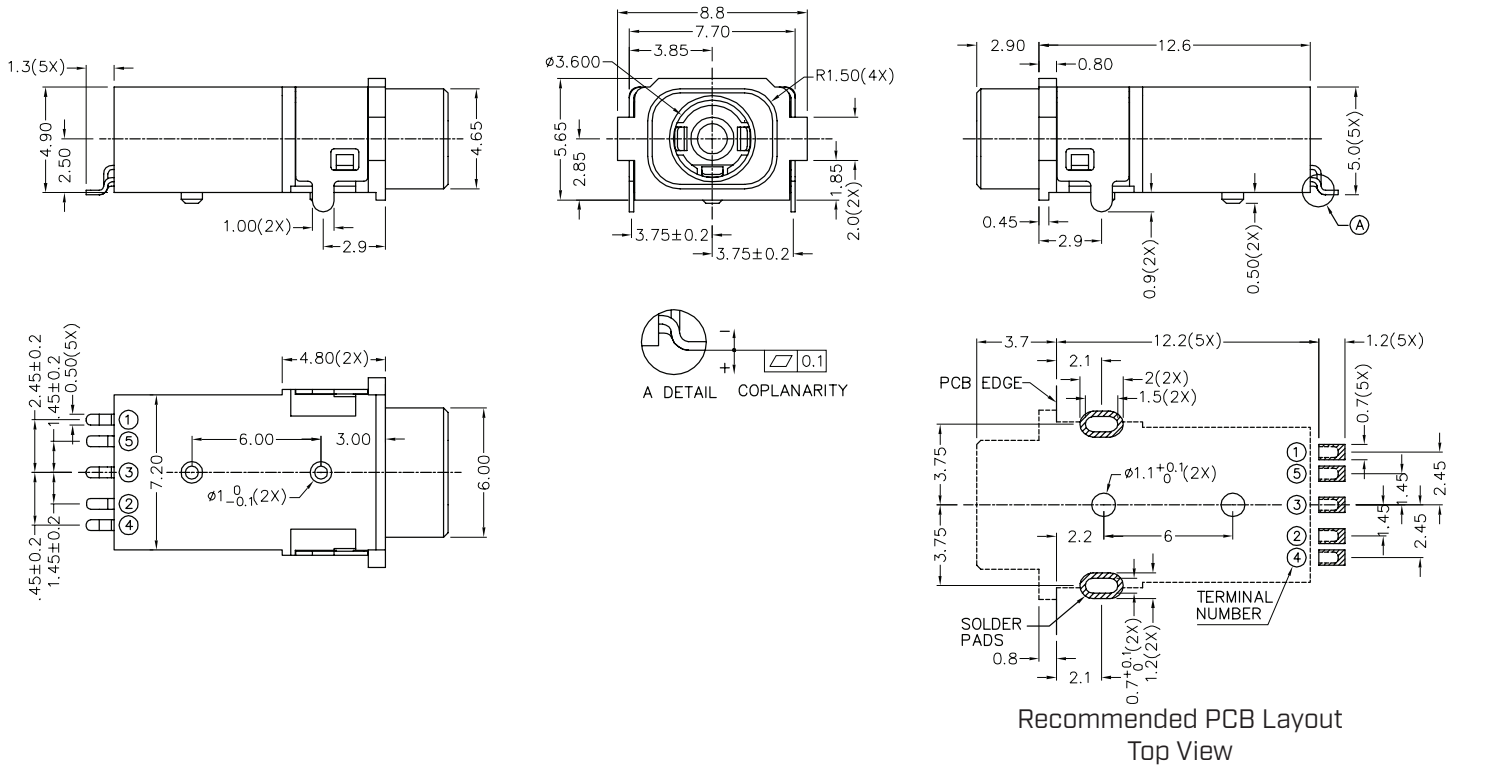


# MECHANICAL DRAWING

units: mm  
tolerance:  
X.X  $\pm 0.2$  mm  
X.XX  $\pm 0.10$  mm  
X.XXX  $\pm 0.050$  mm  
PCB:  $\pm 0.05$  mm

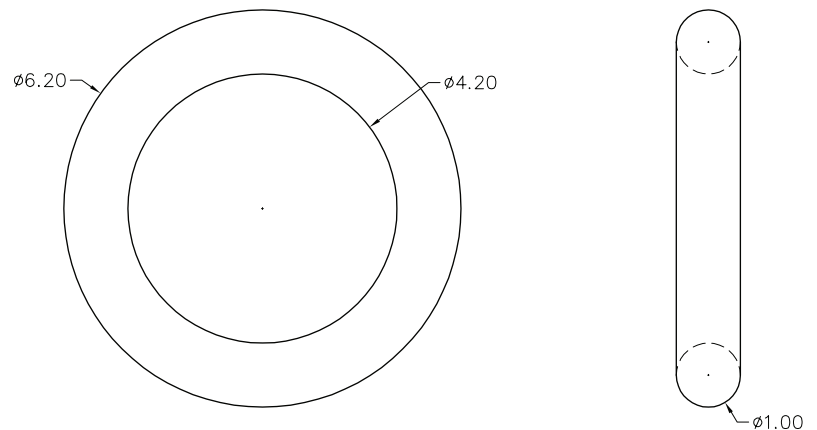


|                | MATERIAL     | PLATING    |
|----------------|--------------|------------|
| terminal 1     | copper alloy | gold flash |
| terminal 2     | copper alloy | gold flash |
| terminal 3     | copper alloy | gold flash |
| terminal 4     | copper alloy | gold flash |
| terminal 5     | copper alloy | gold flash |
| shield         | brass        | nickel     |
| insulator      | PA10T        |            |
| o-ring (OR-30) | silicone     |            |

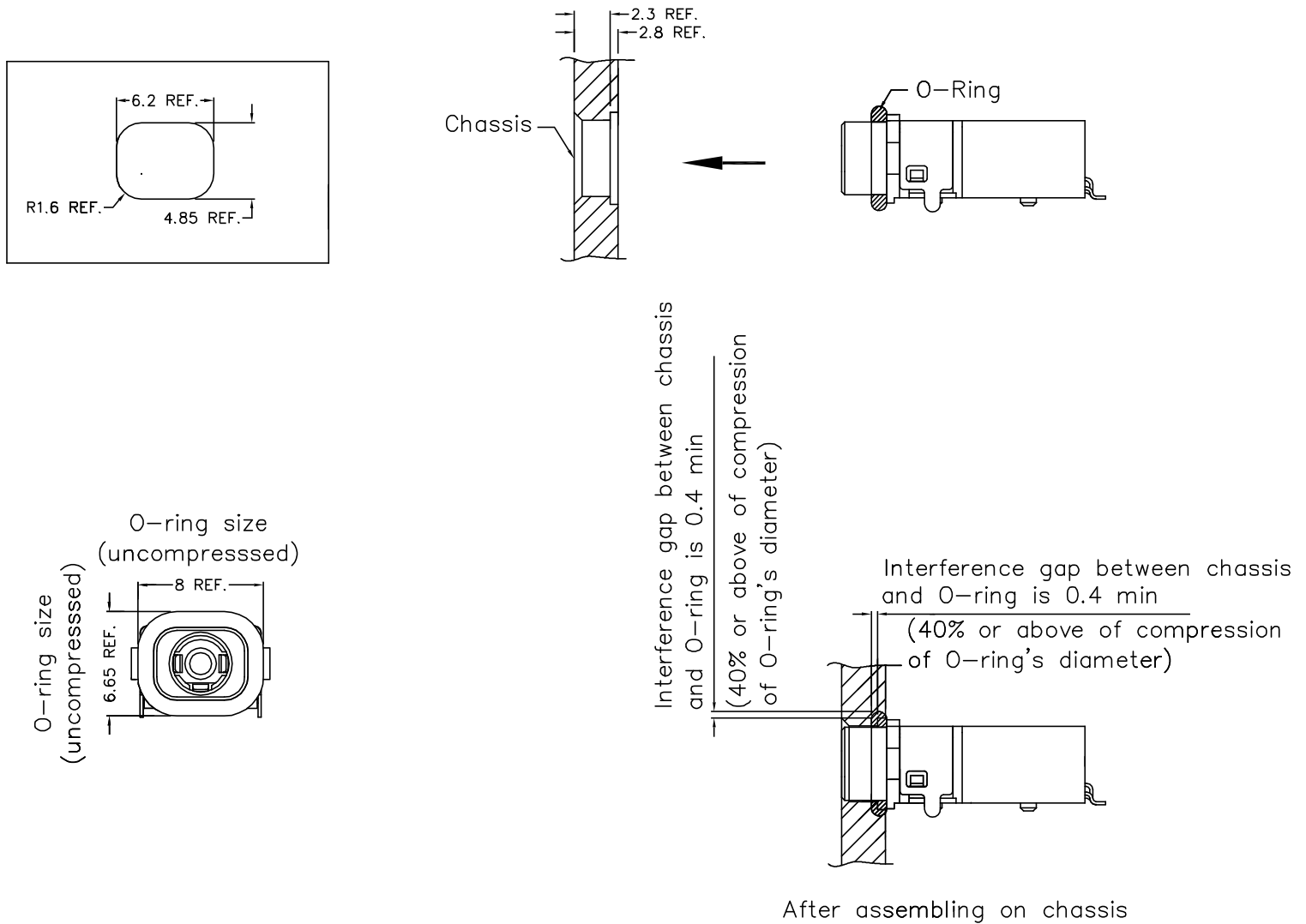


|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| Schematic |  |
| PIN       |                                                                      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

**O-ring (P/N: OR-30)**



## ASSEMBLY REFERENCE

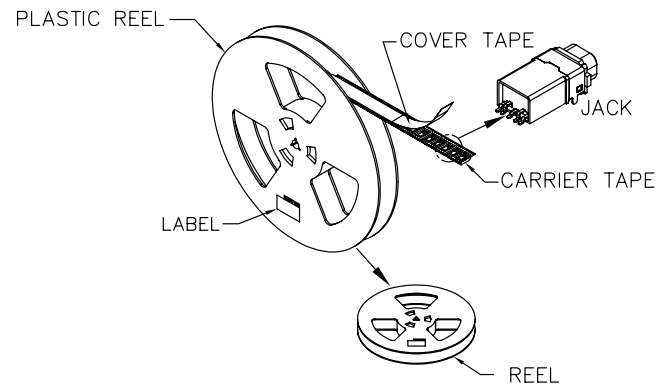
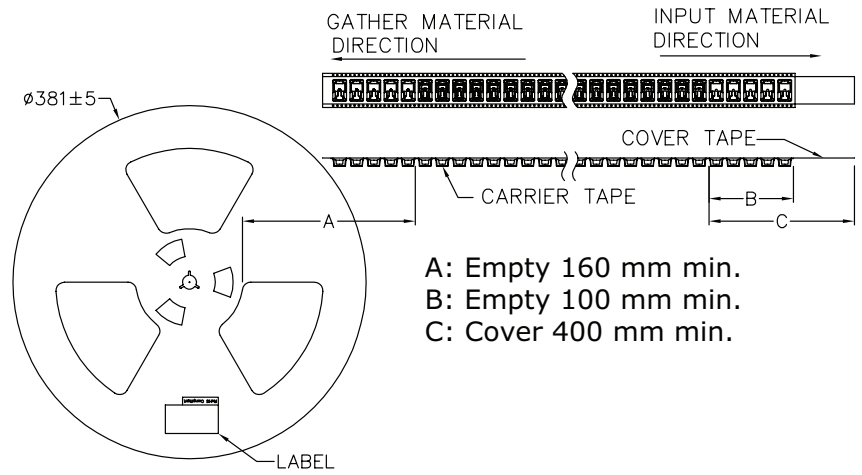
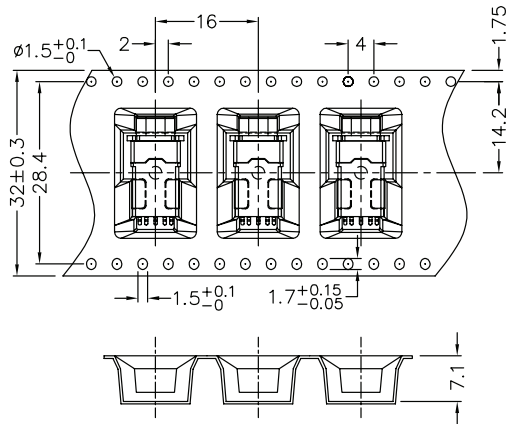


## PACKAGING

units: mm

Reel Size:  $\varnothing 381$  mm

Reel QTY: 800 pcs per reel



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 08/07/2018 |
| 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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