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# MODEL: SJ-25015-67 | DESCRIPTION: AUDIO JACK

## FEATURES

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



RoHS IP67

## SPECIFICATIONS

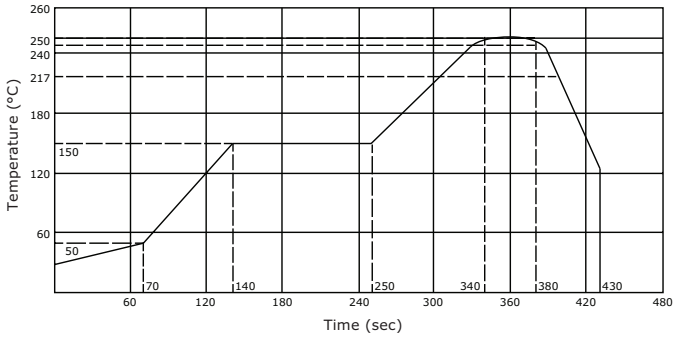
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 12 | | Vdc |
| rated input current | | | | 1 | A |
| contact resistance[1] | between terminal and mating plug<br>between terminal in a closed circuit | | | 50<br>30 | mΩ<br>mΩ |
| insulation 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[3] | see reflow profile | 245 | 250 | 255 | °C |
| drying conditions[4] | 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 | | | | |

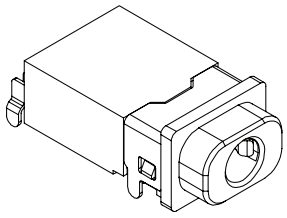
Note: 3. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
4. When exceeding floor life by >72 hours.



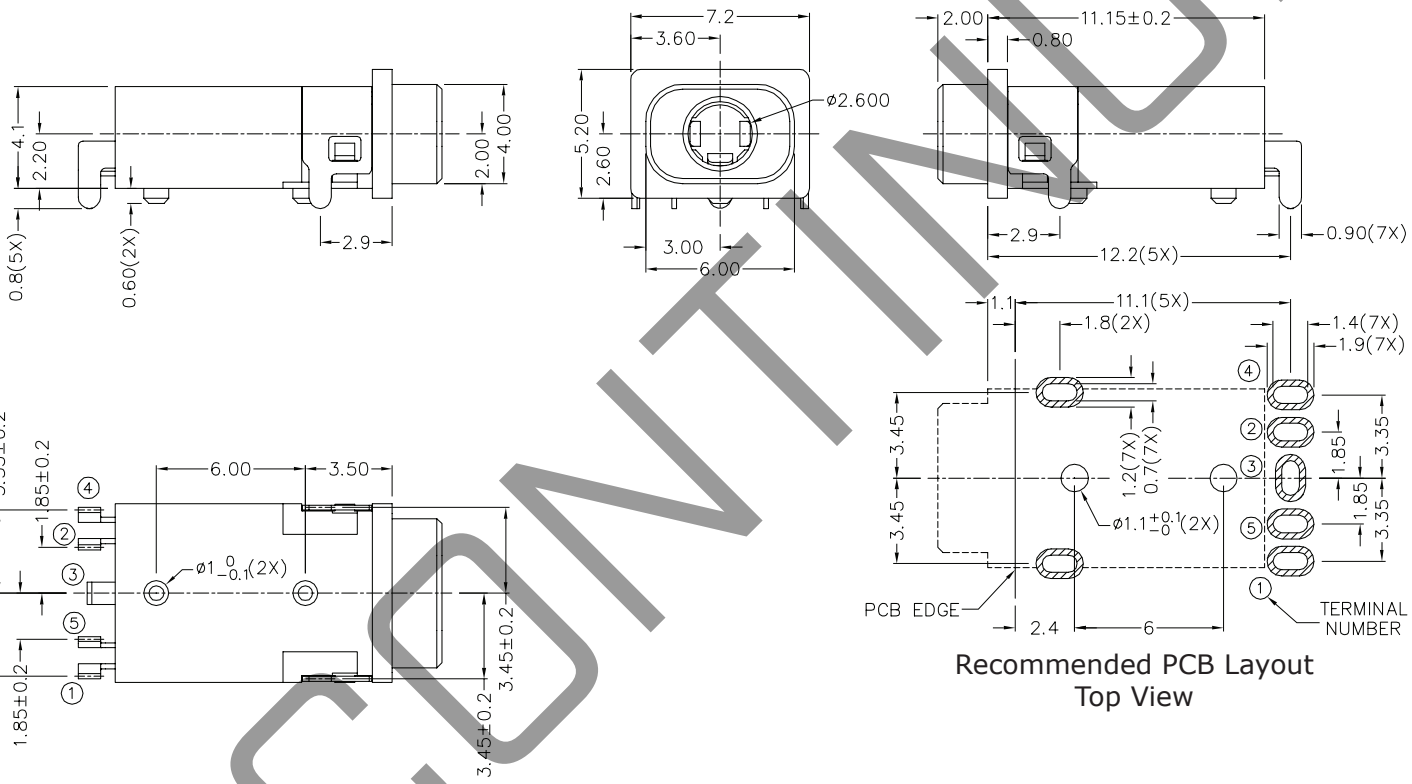

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## MECHANICAL DRAWING

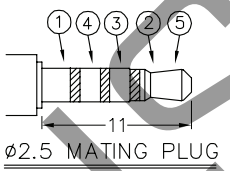
units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm
PCB: ±0.05 mm



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

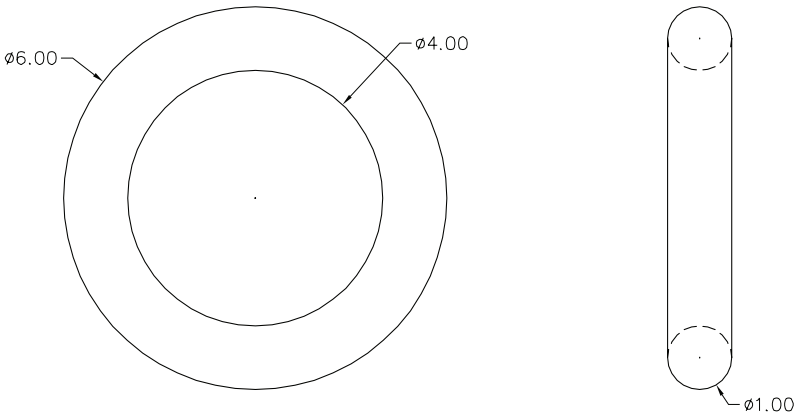



Recommended PCB Layout
Top View



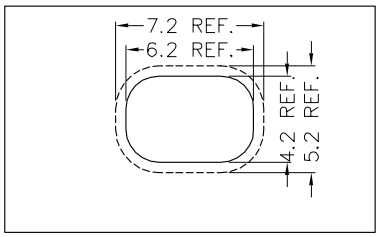

| Schematic | |
|---|---|
| PIN | |
| 1 | sleeve |
| 2 | tip |
| 3 | ring 1 |
| 4 | ring 2 |
| 5 | tip |

### O-ring

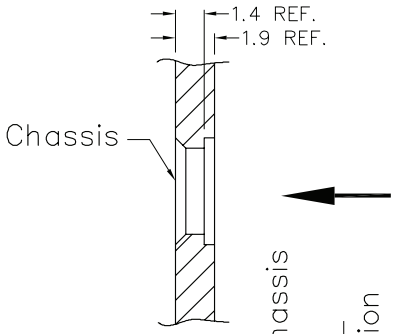


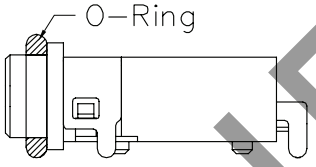

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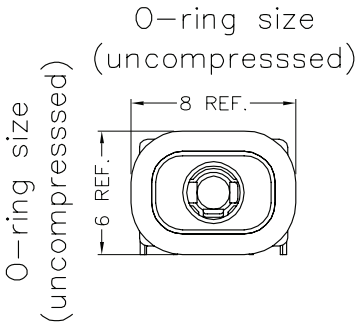
## ASSEMBLY REFERENCE

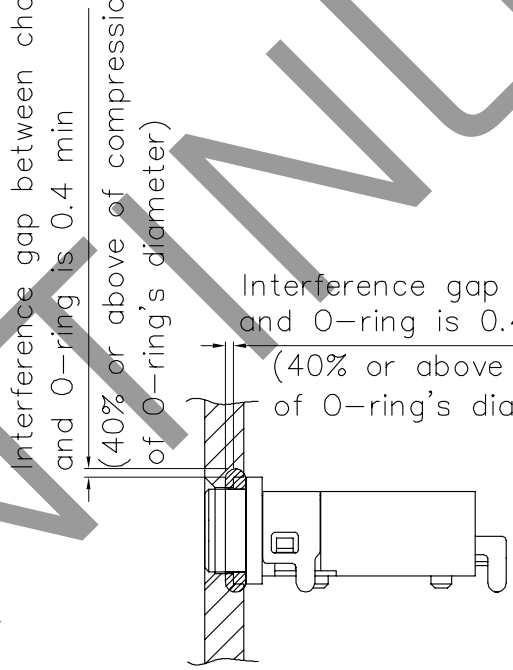



Top View



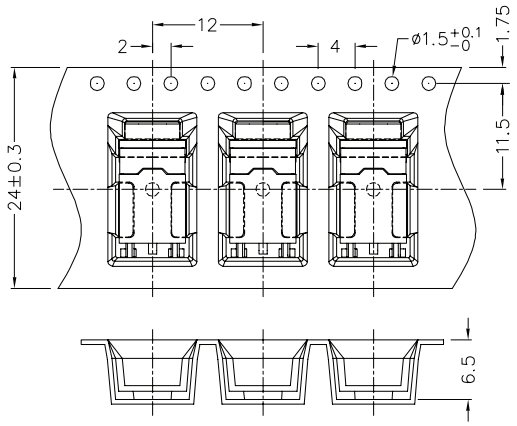

After assembling on chassis

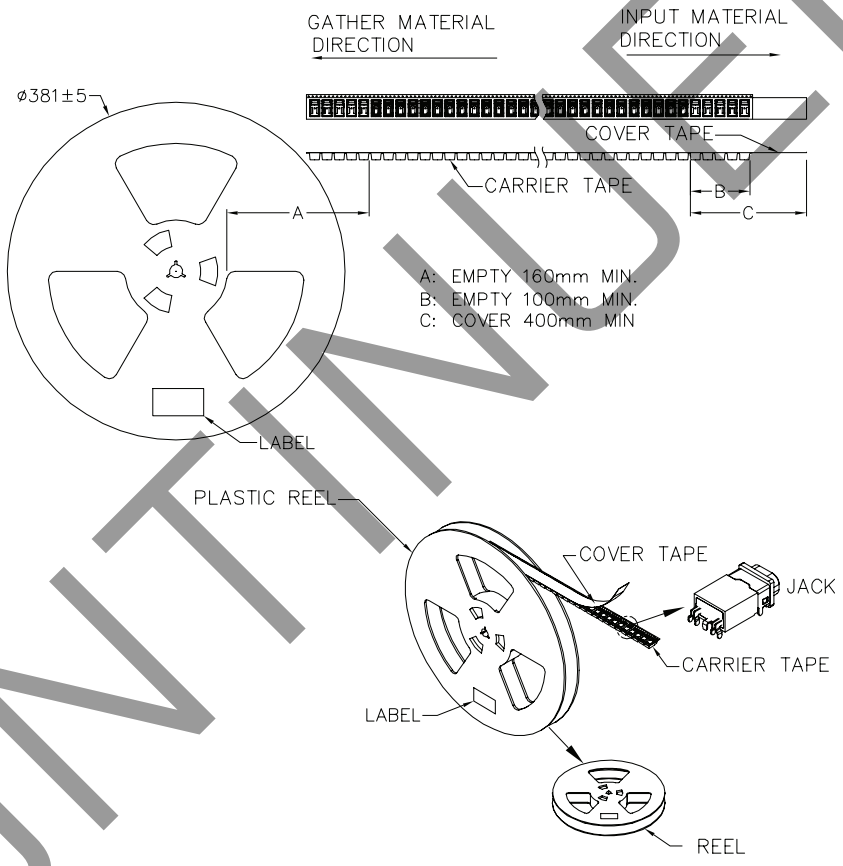
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## PACKAGING

units: mm

Reel Size: Ø381 mm
Reel QTY: 1,150 pcs per reel




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## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 02/23/2021 |

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

DISCONTINUED



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

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