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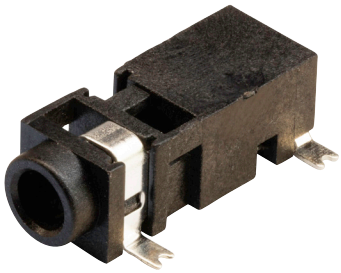
# MODEL: MJ-2523-SMT-TR | DESCRIPTION: AUDIO JACK

## FEATURES

- surface mount
- horizontal
- tip switch
- tape and reel package



RoHS

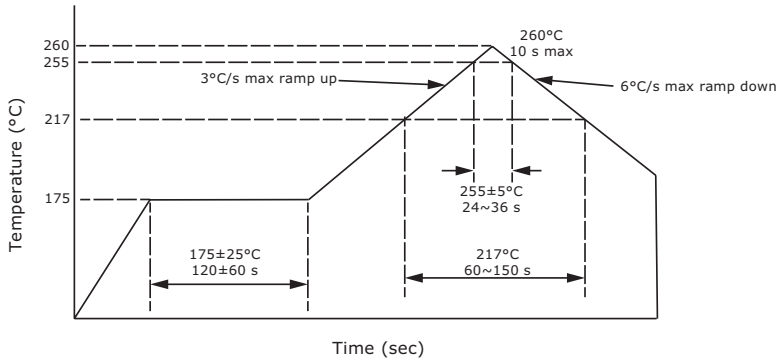
## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 12 | | Vdc |
| rated input current | | | | 1 | A |
| contact resistance | | | | 30 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -40 | | 85 | °C |
| storage temperature | | -10 | | 50 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

## SOLDERABILITY

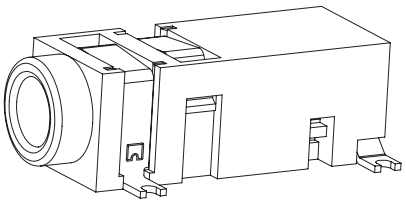
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reel storage | reel opened & unsused parts repacked within 2 hours: ≤30°C, ≤60% humidity<br>reel unopened, 1 year shelf life: ≤30°C, ≤85% humidity | | | | |
| reflow soldering | see reflow profile | | | 260 | °C |
| drying conditions | parts removed from reel over 6 hours: bake at 40°C for 6 hours | | | | |

Note: 1. Same Sky recommends usage of the product within 2 hours after T&R is opened. After 6 hours, Same Sky recommends drying the parts prior to use.

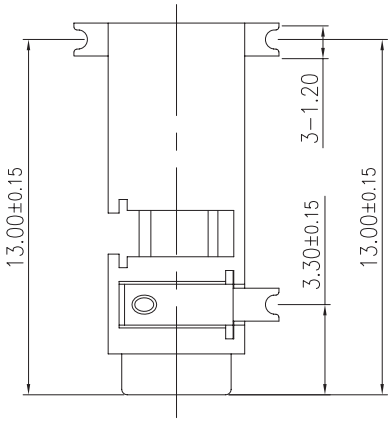


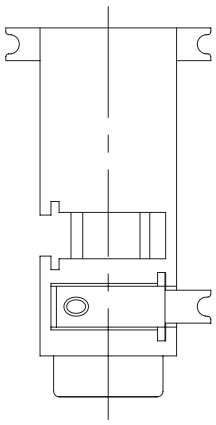
## MECHANICAL DRAWING

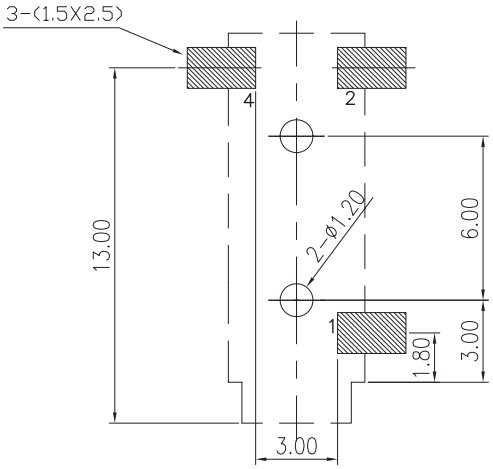
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm



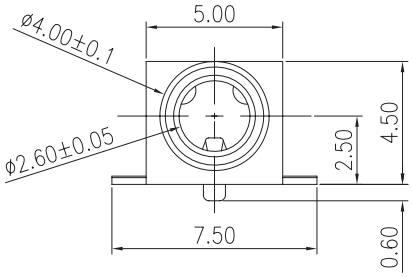
| DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|
| terminal 1 | phosphor bronze t=0.20 | silver |
| terminal 2 | phosphor bronze t=0.25 | silver |
| terminal 4 | brass t=0.25 | silver |
| insulator | PA9T (UL94V-0) | black |

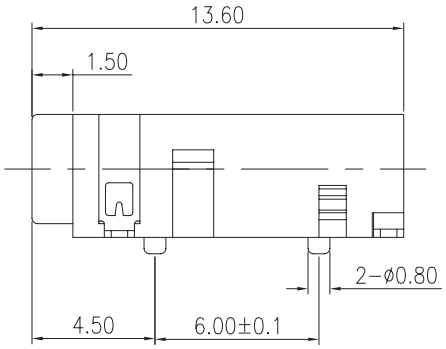


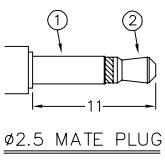





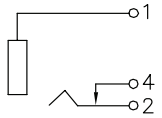

Recommended PCB Layout
Top View



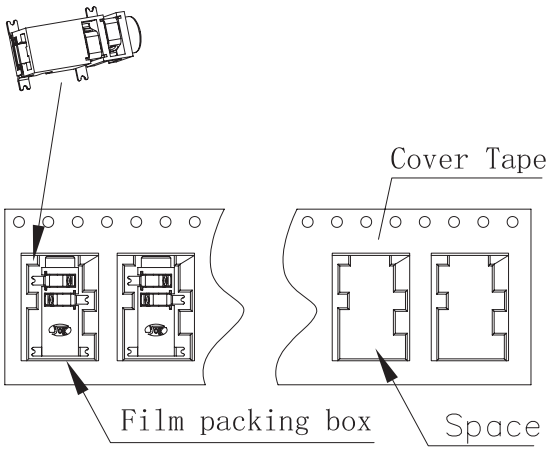

ø2.5 MATE PLUG

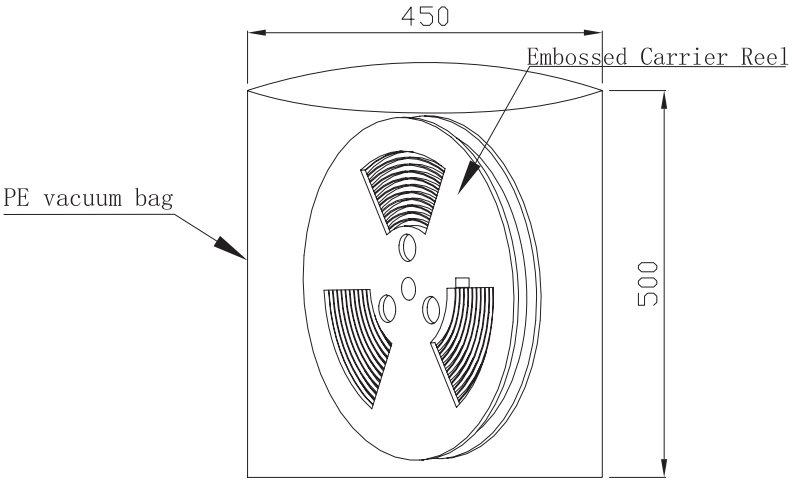
| Model No. | MJ-2523-SMT-TR |
|---|---|
| Schematic |  |
| PIN | |
| 1 | sleeve |
| 2 | tip |
| 4 | tip switch |

## PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 700 pcs per reel



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 11/16/2005 |
| 1.01 | added TR package option | 11/07/2012 |
| 1.02 | added storage and drying conditions, and tape and reel packaging details | 01/12/2018 |
| 1.03 | brand update | 10/04/2019 |
| 1.04 | product reengineered for improved manufacturability and production yield, see PCN for details | 01/23/2023 |
| 1.05 | 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

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

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