

**MODEL:** MJ1-2510-SMT-TR | **DESCRIPTION:** AUDIO JACK**FEATURES**

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

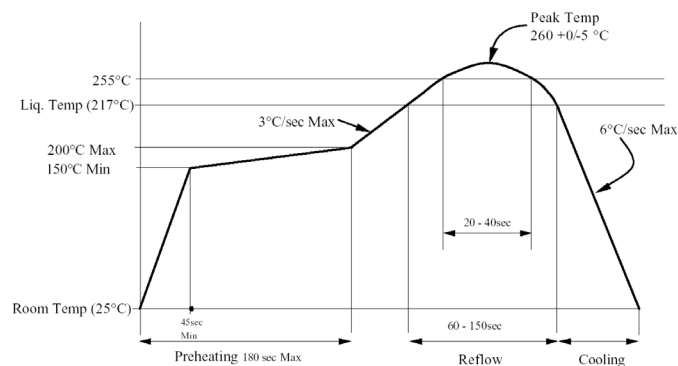
**SPECIFICATIONS**

| parameter                  | conditions/description                                                   | min | typ   | max      | units    |
|----------------------------|--------------------------------------------------------------------------|-----|-------|----------|----------|
| rated input voltage        |                                                                          |     | 12    |          | Vdc      |
| rated input current        |                                                                          |     |       | 1        | A        |
| contact resistance         | 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                       |                                                                          |     | 5,000 |          | cycles   |
| flammability rating        | UL94V-0                                                                  |     |       |          |          |
| RoHS                       | yes                                                                      |     |       |          |          |

**SOLDERABILITY**

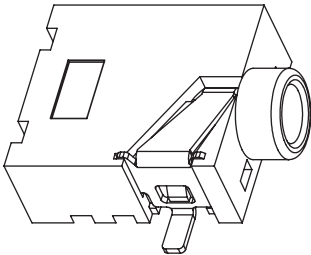
| parameter        | conditions/description  | min | typ | max | units |
|------------------|-------------------------|-----|-----|-----|-------|
| reel storage     | 5~25°C, 20~75% humidity |     |     |     |       |
| reflow soldering | see reflow profile      | 255 | 260 |     | °C    |

Note: 1. Same Sky recommends usage of the product within 24 hours after T&R is opened. After 24 hours, Same Sky recommends drying the parts prior to use.

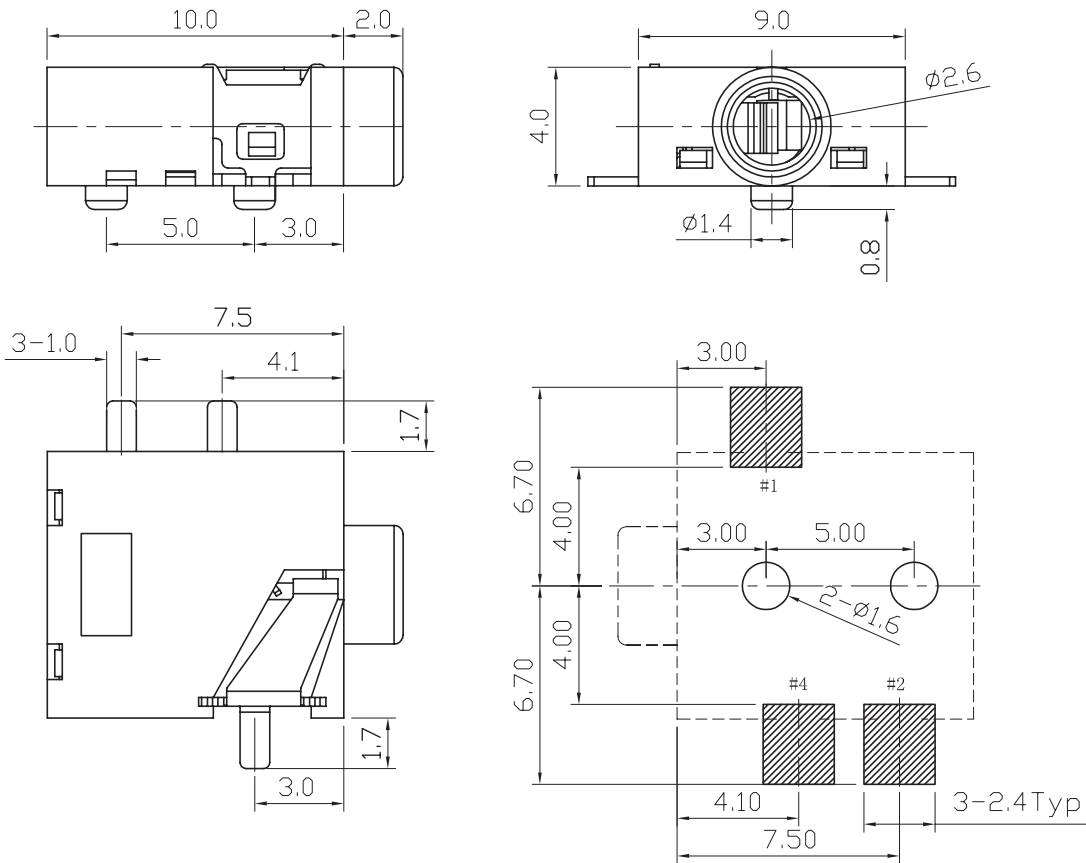


MECHANICAL DRAWING

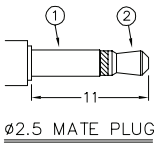
units: mm  
tolerance:  
X.X ±0.30 mm  
X.XX ±0.25 mm  
X.XXX ±0.20 mm  
PCB: ±0.05 mm



| DESCRIPTION | MATERIAL      | PLATING/COLOR    |
|-------------|---------------|------------------|
| terminal 1  | copper alloy  | gold over nickel |
| terminal 2  | copper alloy  | gold over nickel |
| terminal 4  | copper alloy  | gold over nickel |
| housing     | PPA (UL94V-0) | black            |
| cover       | PPA (UL94V-0) | black            |



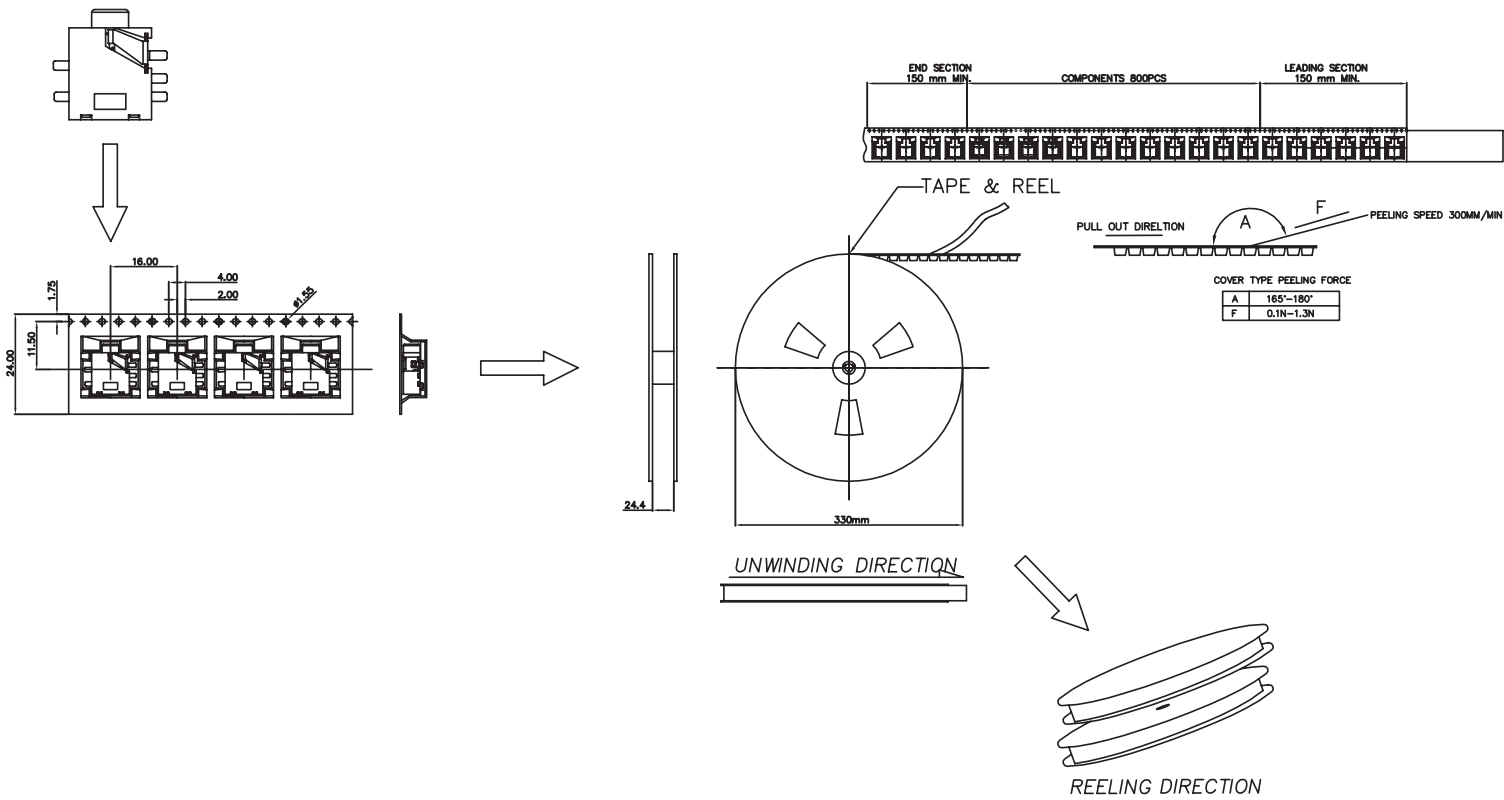
Recommended PCB Layout  
Top View



| Model No. | MJ1-2510-SMT-TR |
|-----------|-----------------|
| Schematic |                 |
| PIN       |                 |
| 1         | sleeve          |
| 2         | tip             |
| 4         | tip switch      |

PACKAGING

units: mm  
Reel Size: Ø330 mm  
Reel QTY: 800 pcs per reel



REVISION HISTORY

| rev. | description                                                                                   | date       |
|------|-----------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                               | 11/09/2005 |
| 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 | 05/23/2023 |
| 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 offers a one (1) year limited warranty. Complete warranty information is listed on our website.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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