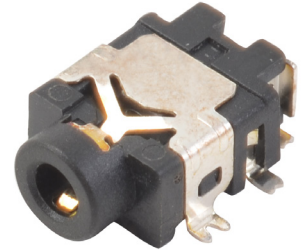
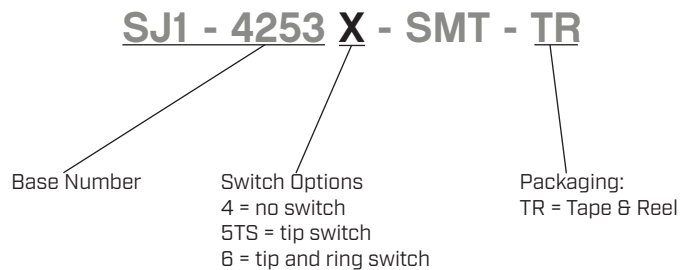


SERIES: SJ1-4253X-SMT | **DESCRIPTION:** AUDIO JACK**FEATURES**

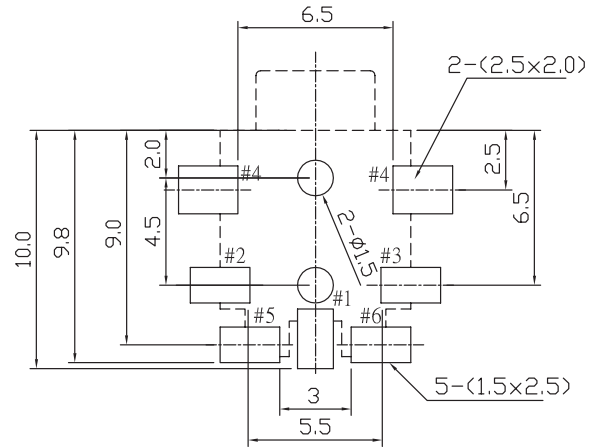
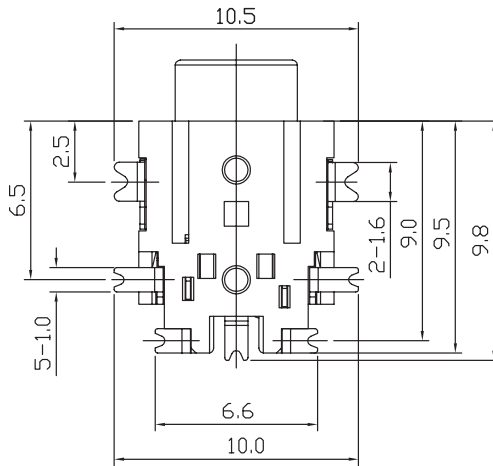
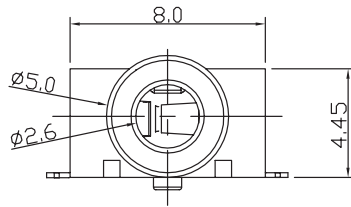
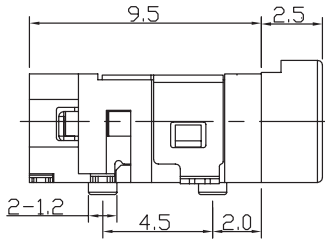
- low profile design
- switch options include:
 - no switch
 - tip switch
 - ring switch
 - tip and ring switch

**PART NUMBER KEY****SPECIFICATIONS**

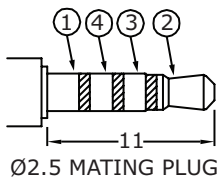
| parameter | conditions/description | min | typ | max | units |
|----------------------------|--|-----|-------|----------|----------|
| rated input voltage | | | 12 | | Vdc |
| rated input current | | | | 1 | A |
| contact resistance | between terminal and mating plug between terminal in a closed circuit | | | 50 30 | mΩ 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 | | | | |

MECHANICAL DRAWING

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



Recommended PCB Layout
Top View

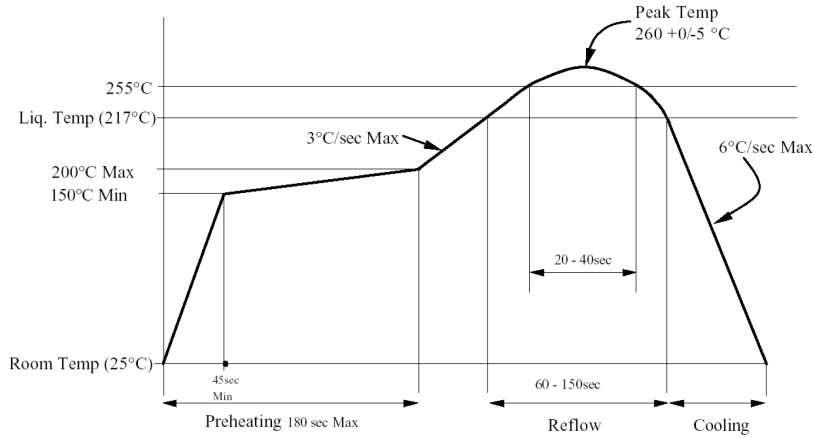


| Model No. | SJ1-42534-SMT | SJ1-42535TS-SMT | SJ1-42536-SMT |
|-----------|---------------|-----------------|---------------|
| Schematic | | | |
| PIN | | | |
| 1 | sleeve | sleeve | sleeve |
| 2 | tip | tip | tip |
| 3 | ring 1 | ring 1 | ring 1 |
| 4 | ring 2 | ring 2 | ring 2 |
| 5 | NP | tip switch | tip switch |
| 6 | NP | NP | ring switch |

SOLDERABILITY

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

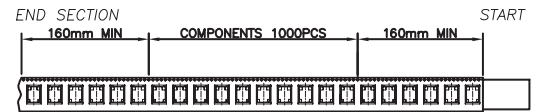
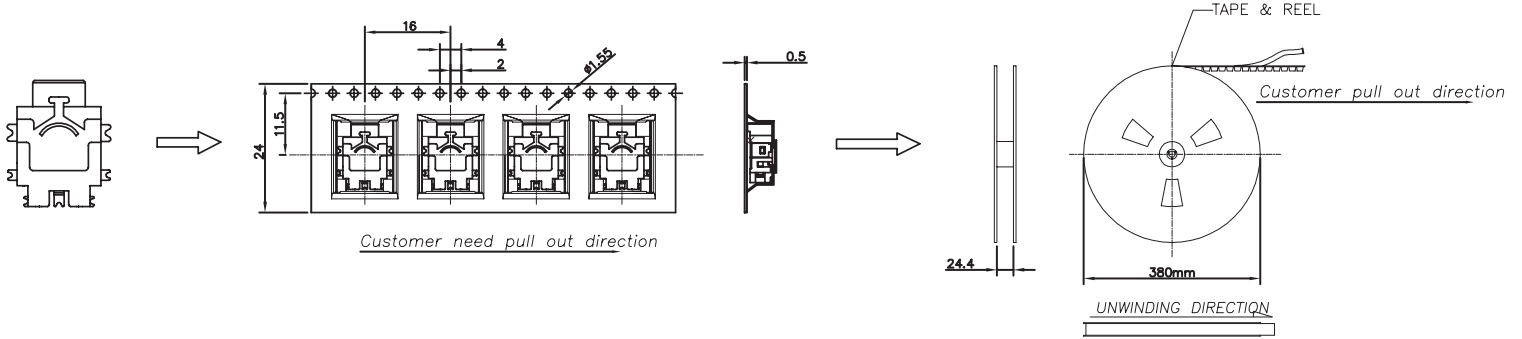
Note: 1. CUI Devices recommends usage of the product within 24 hours after T&R is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.



PACKAGING

units: mm

Reel Size: Ø380 mm
Reel QTY: 1,000 pcs per reel



COVER TYPE PEELING FORCE

| | |
|---|-----------|
| A | 165°-180° |
| F | 0.1N-1.3N |

REVISION HISTORY

| rev. | description | date |
|------|---|------------|
| 1.0 | initial release | 05/01/2006 |
| 1.01 | new template applied | 01/27/2012 |
| 1.02 | added TR package option | 11/01/2012 |
| 1.03 | added storage and drying conditions, and tape and reel packaging details | 02/15/2018 |
| 1.04 | brand update | 10/04/2019 |
| 1.05 | discontinued model SJ1-42535RS-SMT-TR; logo, datasheet style update | 08/18/2022 |
| 1.06 | product reengineered for improved manufacturability and production yield, see PCN for details | 11/21/2022 |

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



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

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