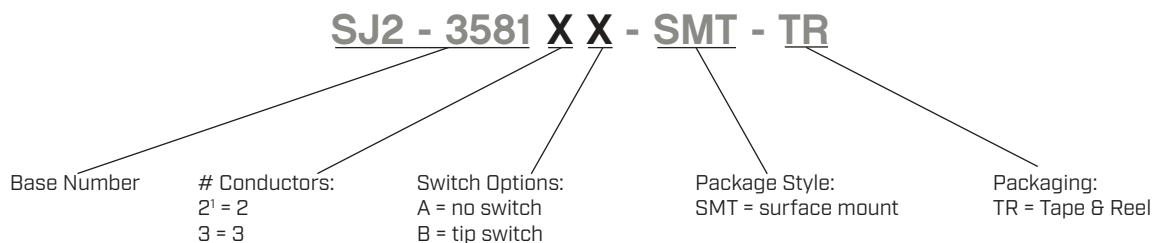


**SERIES:** SJ2-3581X-SMT | **DESCRIPTION:** AUDIO JACK**FEATURES**

- narrow footprint
- right angle
- reflow solder compatible
- surface mount

**PART NUMBER KEY**

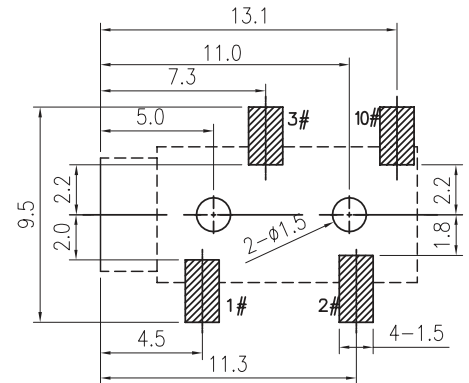
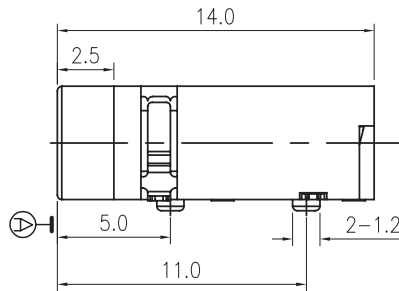
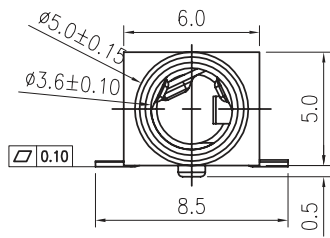
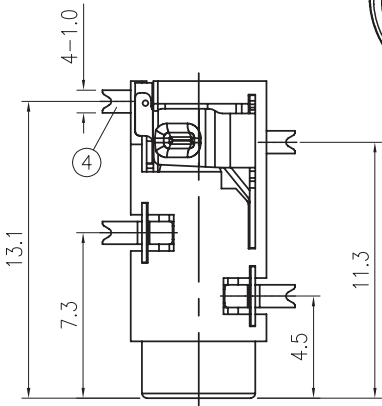
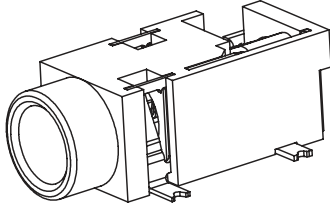
Notes: 1. 2 conductor option only available with tip switch

**SPECIFICATIONS**

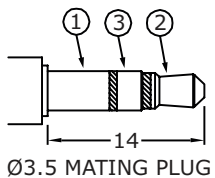
| parameter                  | conditions/description   | min | typ   | max      | units    |
|----------------------------|--|-----|-------|----------|----------|
| rated input voltage        |  |     | 12    |          | Vdc      |
| rated input current        |  |     |       | 1        | A        |
| 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  |     |       |          |          |

## 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

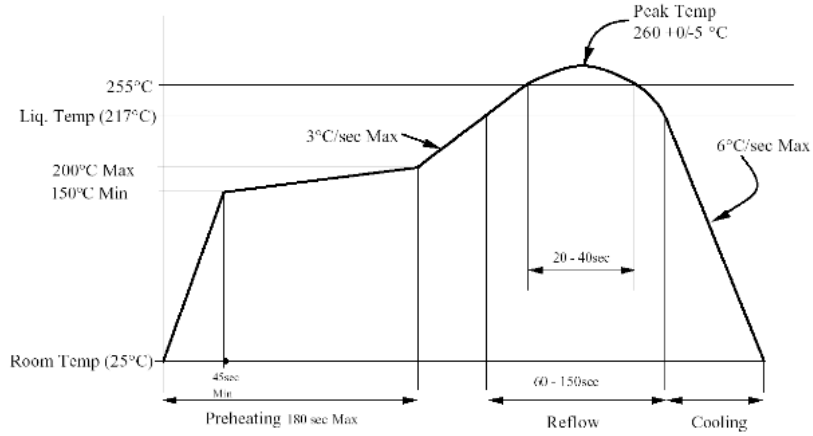


| Model No. | SJ2-35812B-SMT | SJ2-35813A-SMT | SJ2-35813B-SMT |
|-----------|----------------|----------------|----------------|
| Schematic |                |                |                |
| PIN       |                |                |                |
| 1         | sleeve         | sleeve         | sleeve         |
| 2         | tip            | tip            | tip            |
| 3         | NP             | ring           | ring           |
| 10        | tip switch     | NP             | tip 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    |

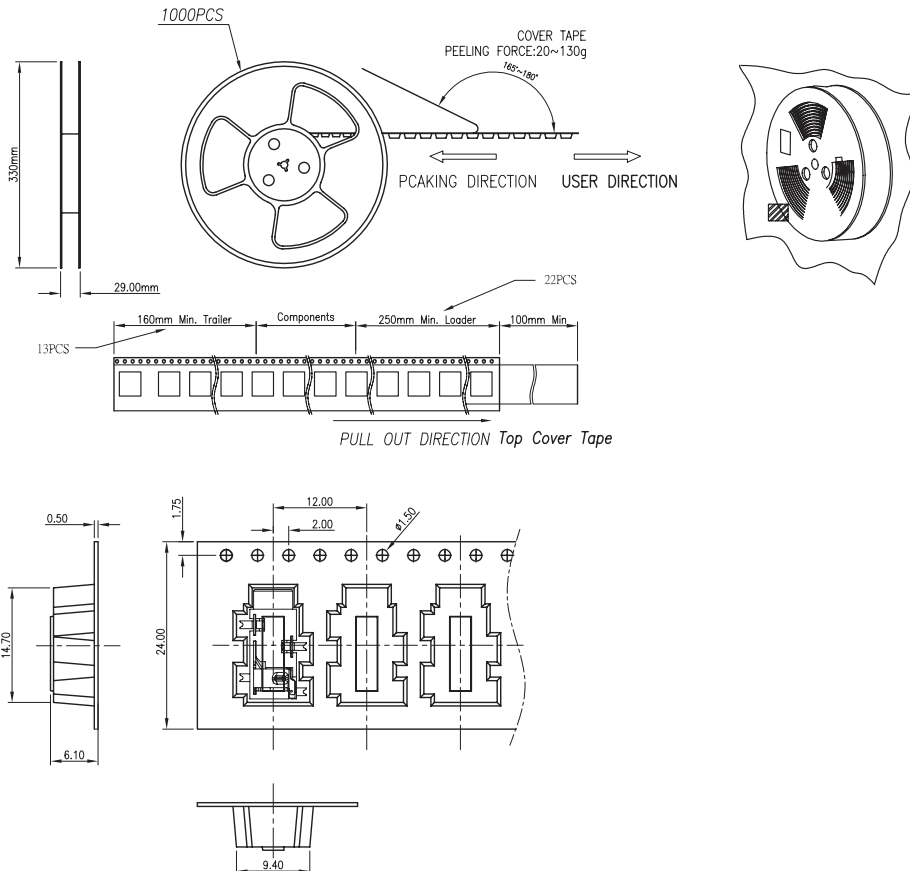
Note: 1. CUI Devices recommends usage of the product within 24 hours after T&R is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.



## PACKAGING

units: mm

Reel Size: Ø330 mm  
Reel QTY: 1,000 pcs per reel



## REVISION HISTORY

| rev. | description   | date       |
|------|---|------------|
| 1.0  | initial release   | 12/16/2016 |
| 1.01 | added storage and drying conditions   | 06/09/2017 |
| 1.02 | brand update  | 10/10/2019 |
| 1.03 | product reengineered for improved manufacturability and production yield, see PCN for details | 11/22/2022 |

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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