CUDEVICES



# **SERIES:** SJ-352X-SMT | **DESCRIPTION:** AUDIO JACK

### FEATURES

- low profile design
- switch options inclue:
  -no switch
  -tip switch



RoHS

## PART NUMBER KEY

**SJ - 352 X - SMT - TR - X**

| | | | | |
|---|---|---|---|---|
| Base Number | Switch Options:<br>3 = no switch<br>4 = tip switch | Package Style:<br>SMT = surface mount | Packaging:<br>TR = Tape & Reel | Color Options:<br>"blank" = black<br>BE = blue[1]<br>GR = green[1]<br>PI = pink[1] |

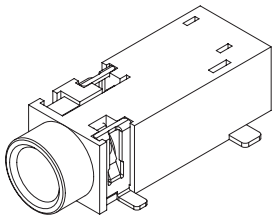
Note: 1. Tip switch option only

## SPECIFICATIONS

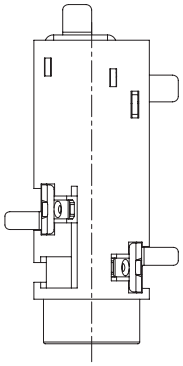
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 12 | | Vdc |
| rated input current | | | | 1 | A |
| contact resistance | | | | 50 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -25 | | 85 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

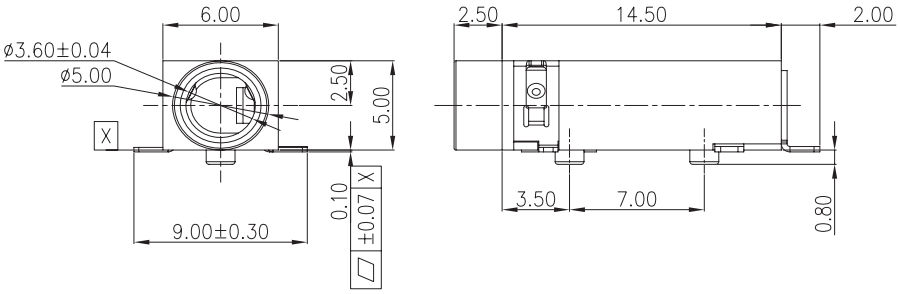
## MECHANICAL DRAWING

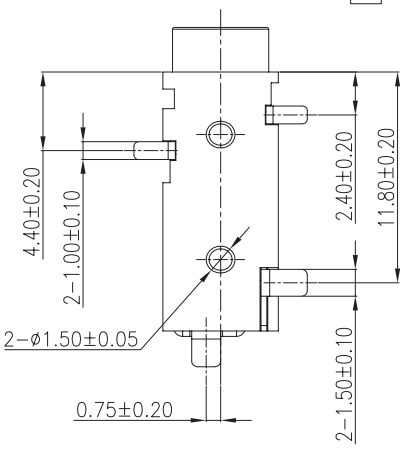
units: mm
tolerance:
X. ±0.5 mm
X.XX ±0.20 mm
PCB: ±0.05 mm

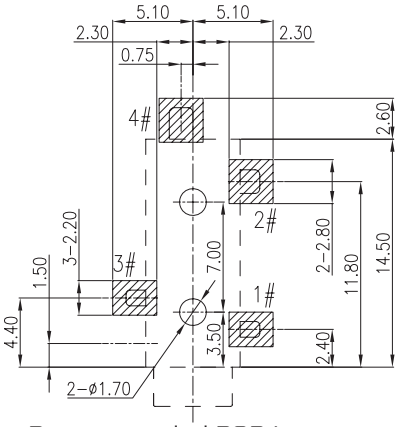


| DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|
| terminal 1 | copper alloy | silver |
| terminal 2 | copper alloy | silver |
| terminal 3 | copper alloy | silver |
| terminal 4 | copper alloy | silver |
| housing | PA10T (UL94V-0) | see part number key |

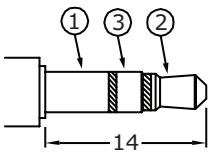




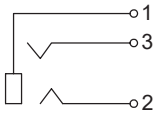
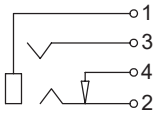




Recommended PCB Layout
Top View



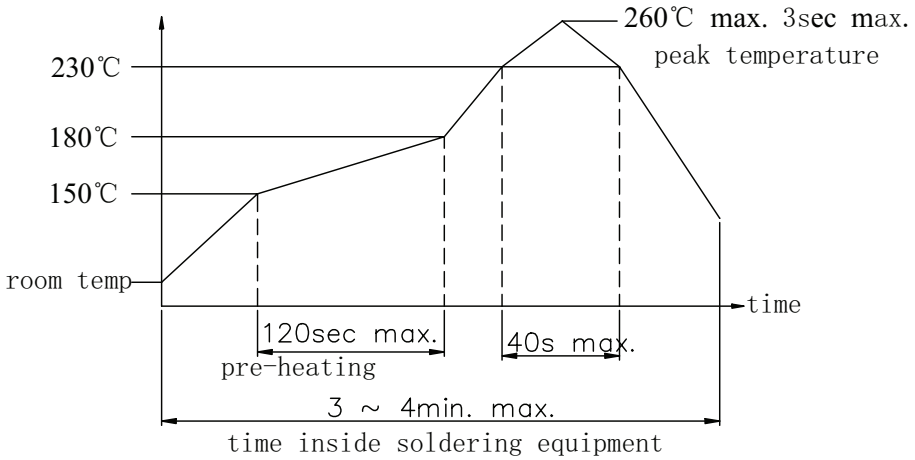

Ø3.5 MATING PLUG

| Model No. | SJ-3523-SMT | SJ-3524-SMT |
|---|---|---|
| Schematic |  |  |
| PIN | | |
| 1 | sleeve | sleeve |
| 2 | tip | tip |
| 3 | ring | ring |
| 4 | NP | tip switch |

## SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reel storage | -5~35°C, 25~80% humidity<br>reel opened: use within 1 month<br>reel unopened: use within 6 months | | | | |
| reflow soldering | see reflow profile | | | 260 | °C |

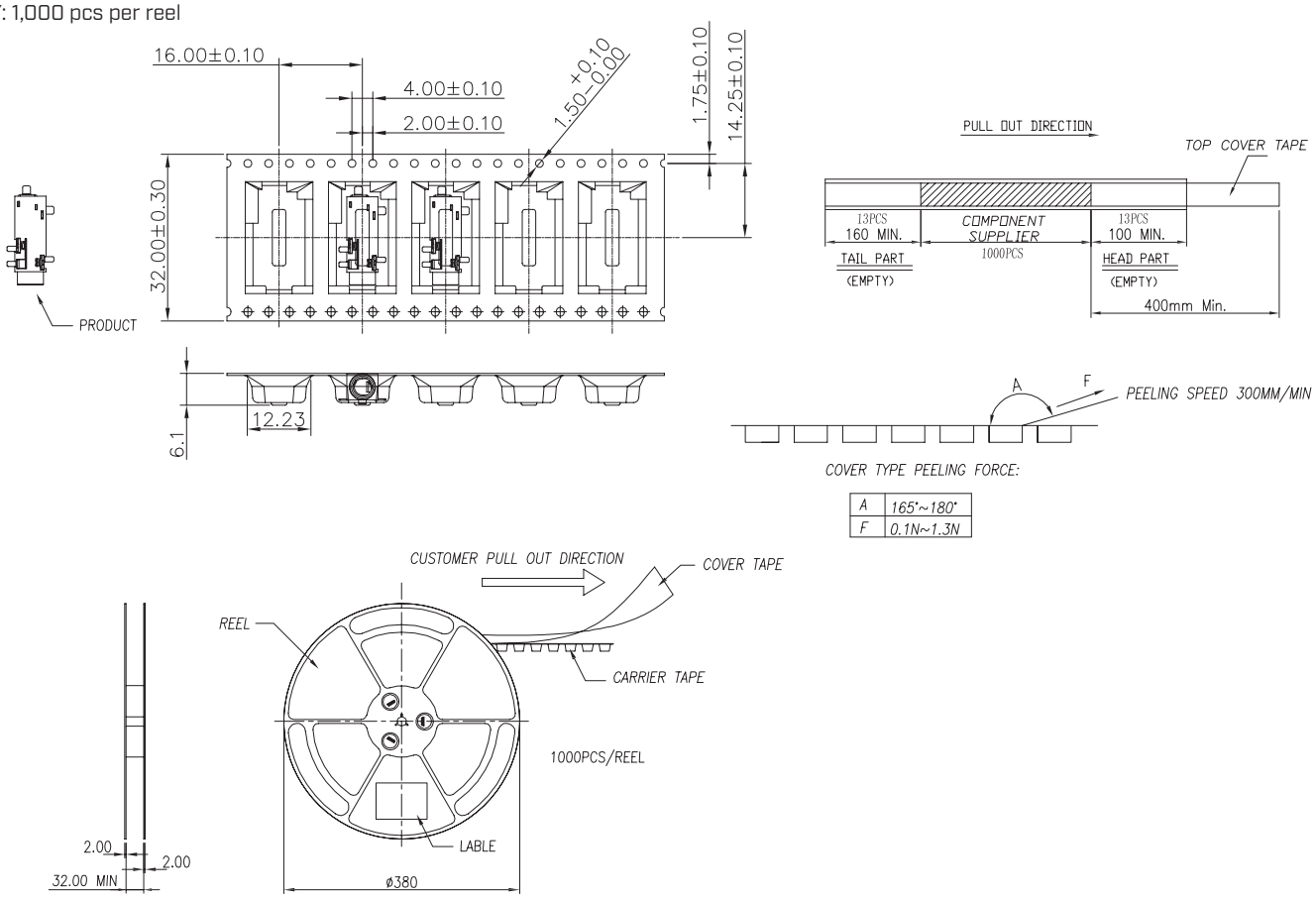
Note: 1. CUI Devices recommends usage of the product within 2 hours after T&R is opened. After 6 hours, CUI Devices recommends drying the parts prior to use.




## PACKAGING

units: mm

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



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 02/07/2006 |
| 1.01 | new remplate applied | 01/25/2012 |
| 1.02 | added TR package and color options | 11/01/2012 |
| 1.03 | added storage and drying conditions, and tape and reel packaging details | 02/15/2018 |
| 1.04 | brand update | 10/09/2019 |
| 1.05 | updated datasheet | 08/24/2022 |

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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