chanhvinh.com

CUI Devices is now Same Sky! Learn More

same sky

Additional Resources: Product Page | 3D Model | PCB Footprint



# MODEL: SJ-2504A-SMT-TR | DESCRIPTION: AUDIO JACK

## FEATURES

- right angle
- low profile design
- reflow solder compatible
- surface mount



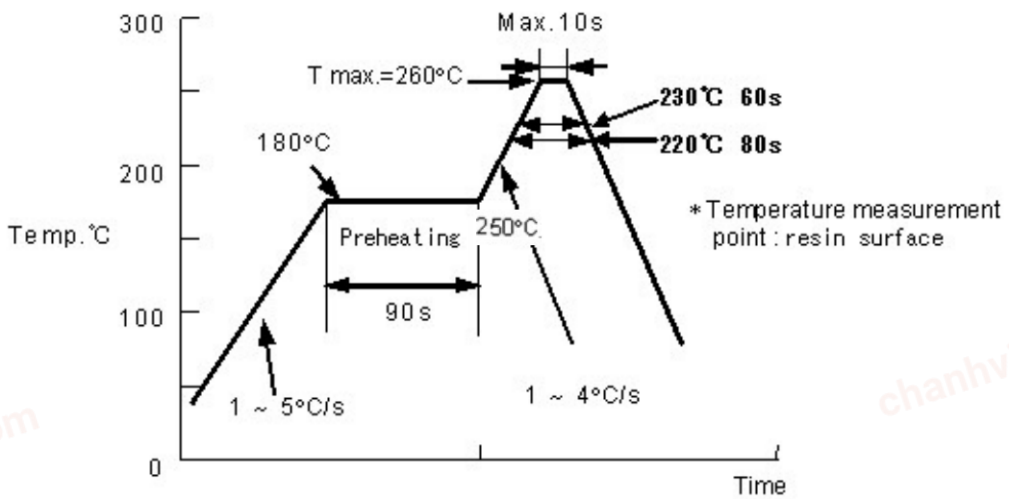
RoHS

## 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 | 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -25 | | 80 | °C |
| life | | | 5,000 | | cycles |
| RoHS | yes | | | | |

## SOLDERABILITY

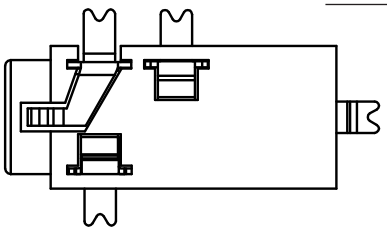
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reel storage | 5~35°C, <75% humidity | | | | °C |
| reflow soldering | see reflow profile | | | 260 | °C |
| drying conditions | bake at 120°C for 4 hours | | | | |

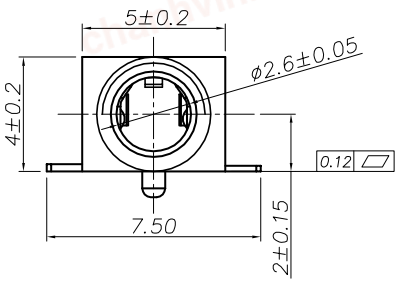


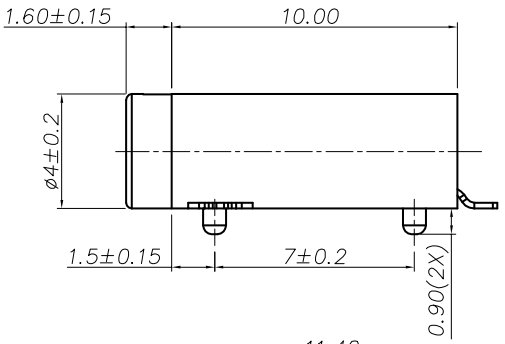
## MECHANICAL DRAWING

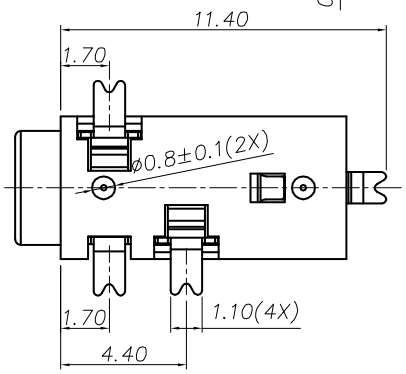
units: mm
tolerance:
X.X ±0.50 mm
X.XX ±0.30 mm
X.XXX ±0.15 mm
PCB: ±0.05 mm
unless otherwise specified

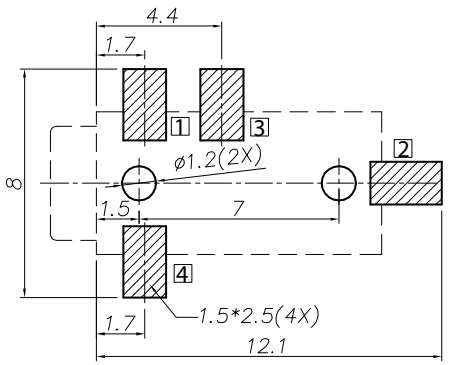
| DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|
| terminal 1 | copper alloy | silver |
| terminal 2 | copper alloy | silver |
| terminal 3 | copper alloy | silver |
| terminal 4 | copper alloy | silver |
| housing | PA10T (UL94V-0) | black |



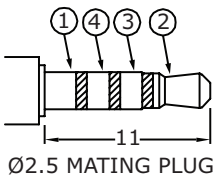


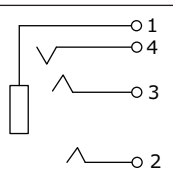




Recommended PCB Layout
Top View




Ø2.5 MATING PLUG

| Model No. | SJ-2504A-SMT |
|---|---|
| Schematic |  |
| PIN | |
| 1 | sleeve |
| 2 | tip |
| 3 | ring 1 |
| 4 | ring 2 |

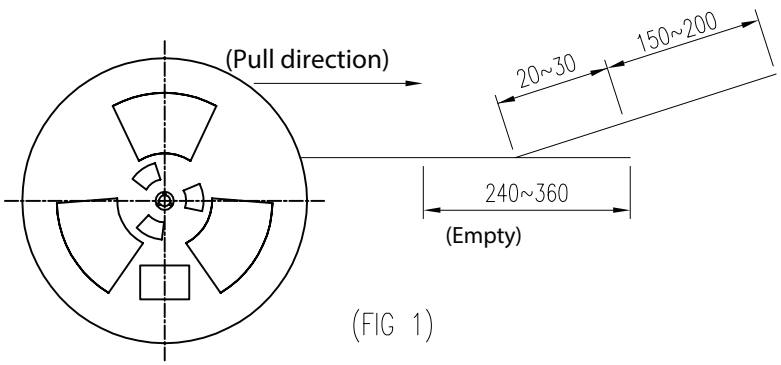
chanhvinh.com



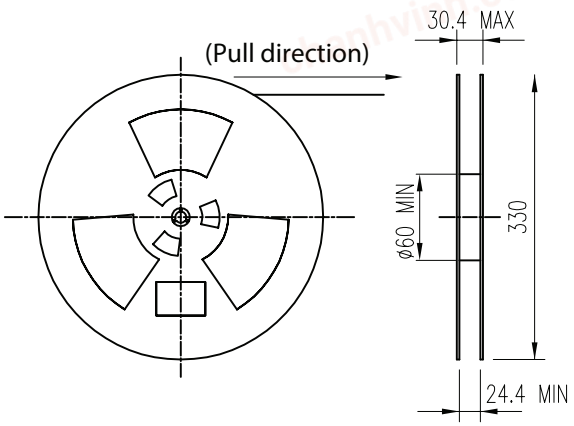
## PACKAGING

units: mm

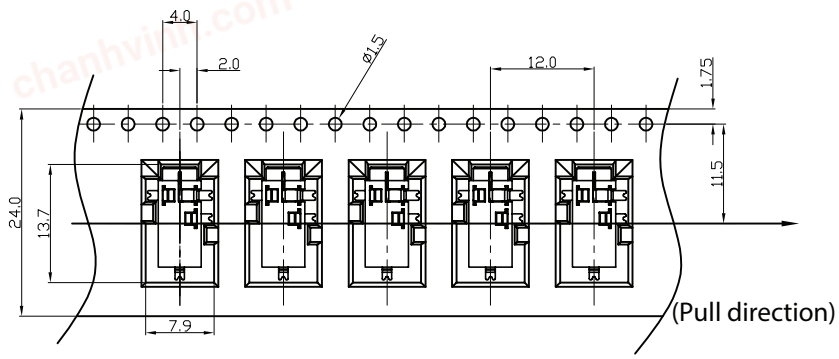
Reel Size: Ø330 mm
Reel QTY: 1,000 pcs per reel



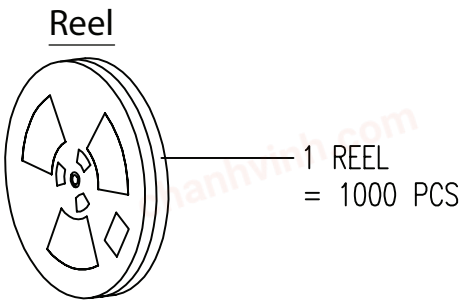

(FIG 1)




(FIG 3)




(FIG 2)



chanhvinh.com



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 12/01/2016 |
| 1.01 | added storage and drying conditions | 05/31/2017 |
| 1.02 | brand update | 10/04/2019 |
| 1.03 | discontinued model SJ-2503A-SMT-TR; logo, datasheet style update | 08/18/2022 |
| 1.04 | product reengineered for improved manufacturability and production yield, see PCN for details | 04/04/2023 |
| 1.05 | product reengineered for improved manufacturability and production yield, see PCN for details | 04/26/2024 |
| 1.06 | 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.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

**sameskydevices.com**