

date 11/17/2022

page 1 of 4

SERIES: SJ-4351X-SMT | DESCRIPTION: AUDIO JACK

FEATURES

- narrow footprint
- plastic bushing
- · multiple switch options available





PART NUMBER KEY

Base Number

Switch Options
4 = no switch
5TS = tip switch
5RS = ring switch
6 = tip and ring switch

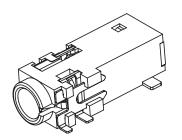
Note: 1. tip and ring switch model only

SPECIFICATIONS

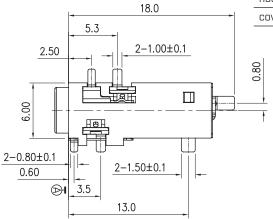
| parameter | conditions/description | min | typ | max | units |
|----------------------------|--|-----|-------|----------|-----------|
| rated input voltage | | | 12 | | Vdc |
| rated input current | | | | 1 | А |
| contact resistance | between terminal and mating plug between terminal in a closed circuit | | | 50 30 | $m\Omega$ |
| insulation resistance | at 500 Vdc | 100 | | | МΩ |
| 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-O | | | | |
| RoHS | yes | | | | |

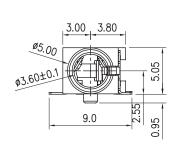
MECHANICAL DRAWING

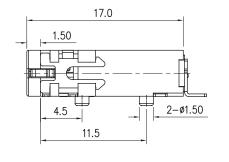
units: mm tolerance: X.X ±0.3 mm X.XX ±0.25 mm X.XXX ±0.20 mm PCB: ±0.05 mm unless otherwise specified

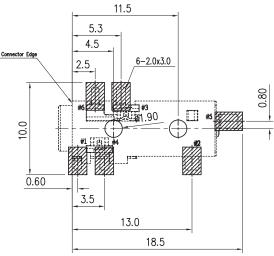


| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|----------------|--------------------|
| terminal 1 | C5210 t=0.20 | silver over nickel |
| terminal 2 | C5210 t=0.30 | silver over nickel |
| terminal 3 | C5191 t=0.20 | silver over nickel |
| terminal 4 | C5210 t=0.20 | silver over nickel |
| terminal 5 | C2680 t=0.30 | silver over nickel |
| terminal 6 | C5210 t=0.20 | silver over nickel |
| housing | PA9T (UL94V-0) | |
| cover | PA9T (UL94V-0) | |

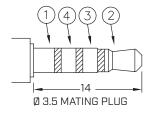








Recommended PCB Layout

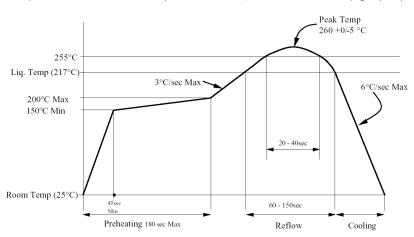


| | | | | Tub view | |
|-----------|----------------|---------------------------------|----------------------|--|--|
| Model No. | SJ-43514-SMT | SJ-43515TS-SMT | SJ-43515RS-SMT | SJ-43516-SMT | |
| Schematic | 01 04 03 | 0 1 0 4 0 3 0 5 0 5 | 01 04 03 06 | 0 1 0 4 0 6 0 6 0 5 0 2 | |
| PIN | | | | | |
| 1 | sleeve | sleeve | sleeve | sleeve | |
| 2 | tip | tip | tip | tip | |
| 3 | ring 1 | ring 1 | ring 1 | ring 1 | |
| 4 | ring 2 | ring 2 | ring 2 | ring 2 | |
| 5 | NP | tip switch | NP | tip switch | |
| 6 | NP | NP | ring switch | 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 |

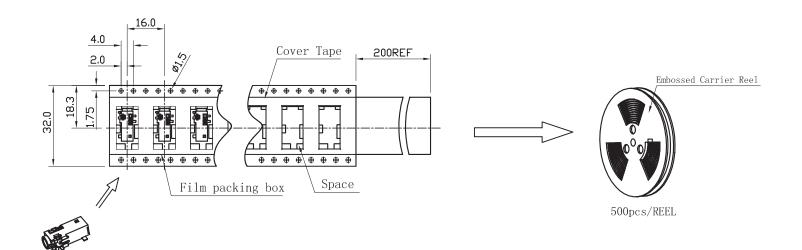
Note: 2. CUI Devices recommends usage of the product within 24 hours after T&R is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.



PACKAGING

units: mm

Reel Size: Ø330 mm Reel QTY: 500 pcs per reel



REVISION HISTORY

| rev. | description | date | |
|------|--|------------|--|
| 1.0 | initial release | 01/17/2006 | |
| 1.01 | new template applied | 02/02/2012 | |
| 1.02 | added TR package and color options | 11/01/2012 | |
| 1.03 | added storage and drying conditions, and tape and reel packaging details | 02/23/2018 | |
| 1.04 | brand update | 10/14/2019 | |
| 1.05 | product reengineered for improved manufacturability and production yield, see PCN for details | 11/17/2022 | |

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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