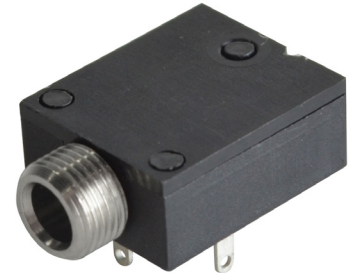
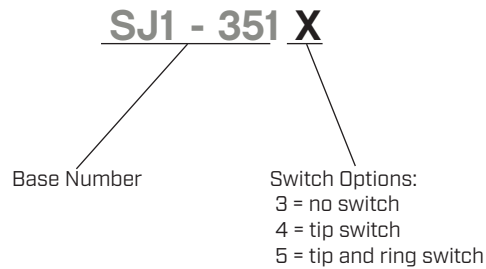


SERIES: SJ1-351X | **DESCRIPTION:** AUDIO JACK**FEATURES**

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

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

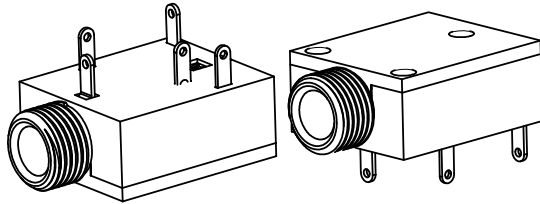
| parameter | conditions/description | min | typ | max | units |
|----------------------------|--|-----|-------|----------|----------|
| rated input voltage | | | 12 | | Vdc |
| rated input current | | | | 1 | A |
| contact resistance | between terminal and mating plug between terminal in a closed circuit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

SOLDERABILITY

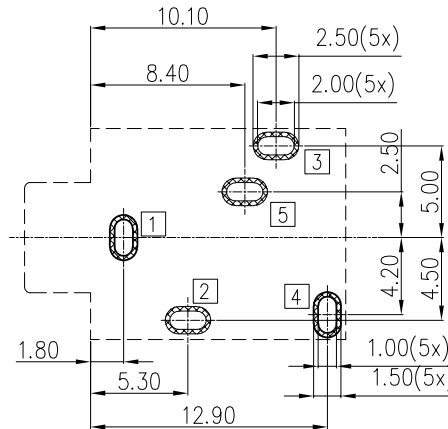
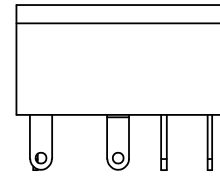
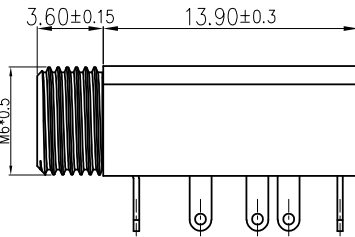
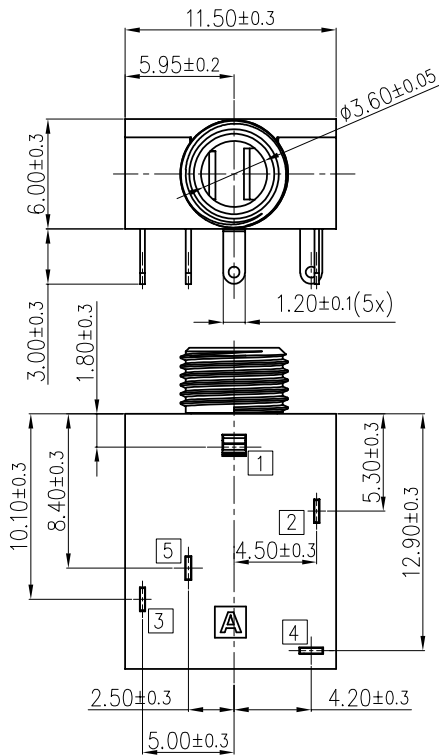
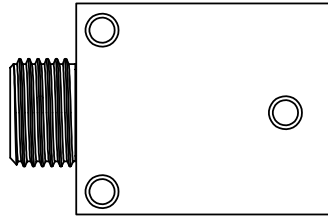
| parameter | conditions/description | min | typ | max | units |
|----------------|---|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 ±0.5 seconds | 255 | 260 | 265 | °C |

MECHANICAL DRAWING

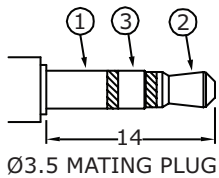
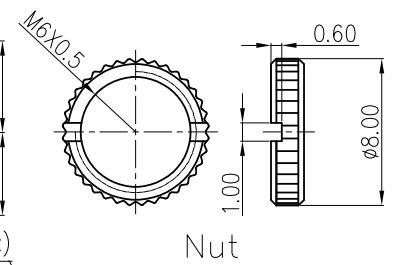
units: mm
 tolerance:
 X.X ±0.50 mm
 X.XX ±0.30 mm
 X.XXX ±0.15mm
 PCB: ±0.05 mm
 unless otherwise specified



| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|---------------------|--------------------|
| terminal 1 | brass t=0.3 | silver over nickel |
| terminal 2 | copper alloy t=0.25 | silver over nickel |
| terminal 3 | copper alloy t=0.25 | silver over nickel |
| terminal 4 | brass t=0.3 | silver over nickel |
| terminal 5 | brass t=0.3 | silver over nickel |
| bushing | brass | nickel |
| cover | PBT (UL94V-0) | black |
| housing | PBT (UL94V-0) | black |
| nut | brass | nickel |



Recommended PCB Layout
Top View



| Model No. | SJ1-3513 | SJ1-3514 | SJ1-3515 |
|-----------|----------|------------|-------------|
| Schematic | | | |
| PIN | | | |
| 1 | sleeve | sleeve | sleeve |
| 2 | tip | tip | tip |
| 3 | ring | ring | ring |
| 4 | NP | tip switch | tip switch |
| 5 | NP | NP | ring switch |

REVISION HISTORY

| rev. | description | date |
|------|---|------------|
| 1.0 | initial release | 09/09/2006 |
| 1.01 | new template applied | 09/10/2011 |
| 1.02 | nut drawing added | 01/25/2012 |
| 1.03 | changed top cover to PBT | 04/19/2017 |
| 1.04 | changed terminal plating to silver | 02/12/2019 |
| 1.05 | brand update | 10/09/2019 |
| 1.06 | product reengineered for improved manufacturability and production yield, see PCN for details | 06/30/2023 |
| 1.07 | product reengineered for improved manufacturability and production yield, see PCN for details | 07/19/2024 |
| 1.08 | 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.

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