CUI Devices is now Same Sky! Learn More



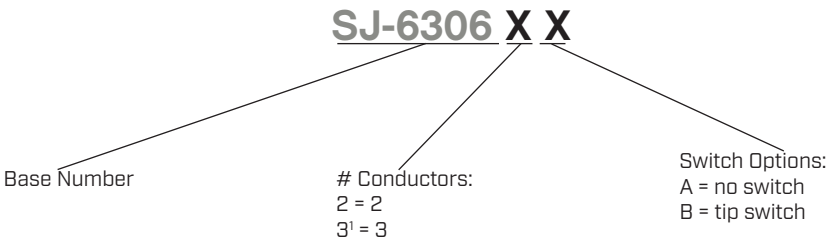
# SERIES: SJ-6306 | DESCRIPTION: AUDIO JACK

## FEATURES

- through hole
- right angle
- 2 and 3 conductor models
- with or without tip switch
- threaded with nut

RoHS

## PART NUMBER KEY




Note: 1. 3 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 | | | 30 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.4 | | 3 | kg |
| operating temperature | | -25 | | 70 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | see material table | | | | |
| RoHS | yes | | | | |

## SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| hand soldering | for 3~5 seconds | | 360 | | °C |



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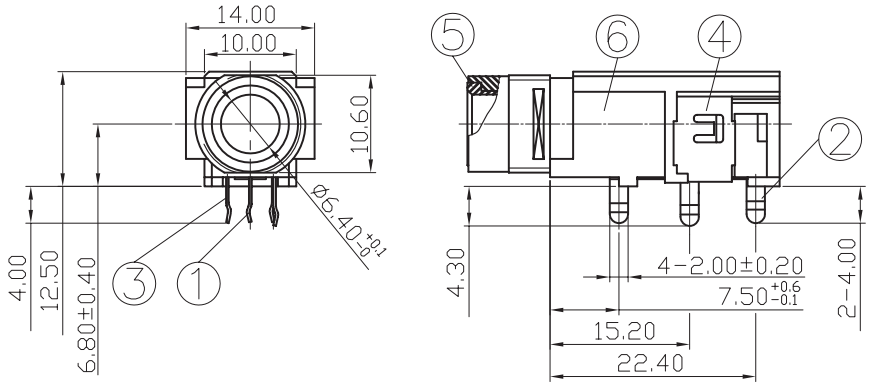
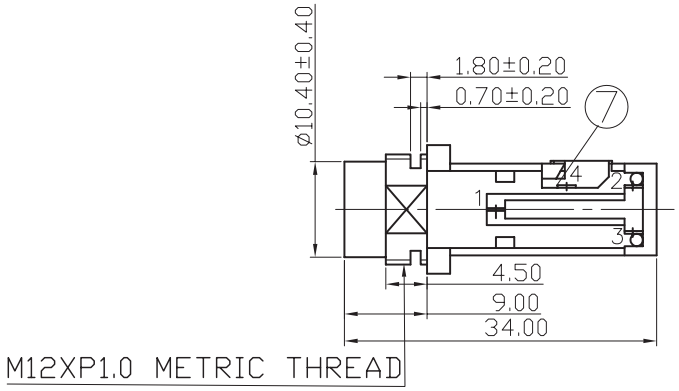
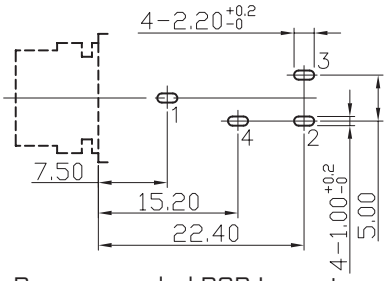
## MECHANICAL DRAWING

units: mm
tolerance: ±0.3 mm

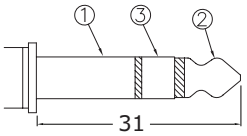
| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|---|
| 1 | earth terminal | phosphor bronze | silver |
| 2 | tip spring | phosphor bronze | silver |
| 3 | ring spring | phosphor bronze | silver |
| 4 | tip shunt | brass | silver |
| 5 | bushing | brass | nickel |
| 6 | housing | PBT (UL94V-0) | black |
| 7 | cover | PBT (UL94V-0) | black |
| 8 | nut | steel | nickel |
| 9 | washer | steel | nickel |



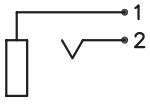
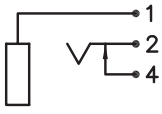
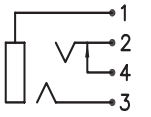



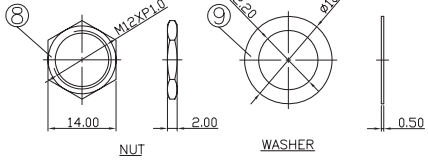




Recommended PCB Layout
Top View




Ø6.35 MATING PLUG

| Model No. | SJ-63062A | SJ-63062B | SJ-63063B |
|---|---|---|---|
| Schematic |  |  |  |
| PIN | | | |
| 1 | sleeve | sleeve | sleeve |
| 2 | tip | tip | tip |
| 3 | NP | NP | ring |
| 4 | NP | tip switch | tip switch |



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## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 08/11/2020 |
| 1.01 | logo, datasheet style update | 08/16/2022 |
| 1.02 | 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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