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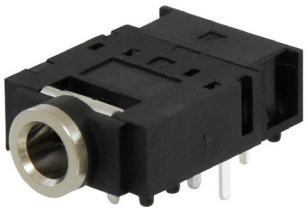
Additional Resources: Product Page | 3D Model | PCB Footprint



# MODEL: SJ-3566AN | DESCRIPTION: AUDIO JACK

## FEATURES

- low profile design
- SPDT switch



RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 15 | | Vdc |
| rated input current | | | | 1 | A |
| contact resistance | terminals 1~3<br>terminals 4~6 | | | 50<br>30 | mΩ<br>mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -20 | | 70 | °C |
| storage temperature | | -40 | | 85 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

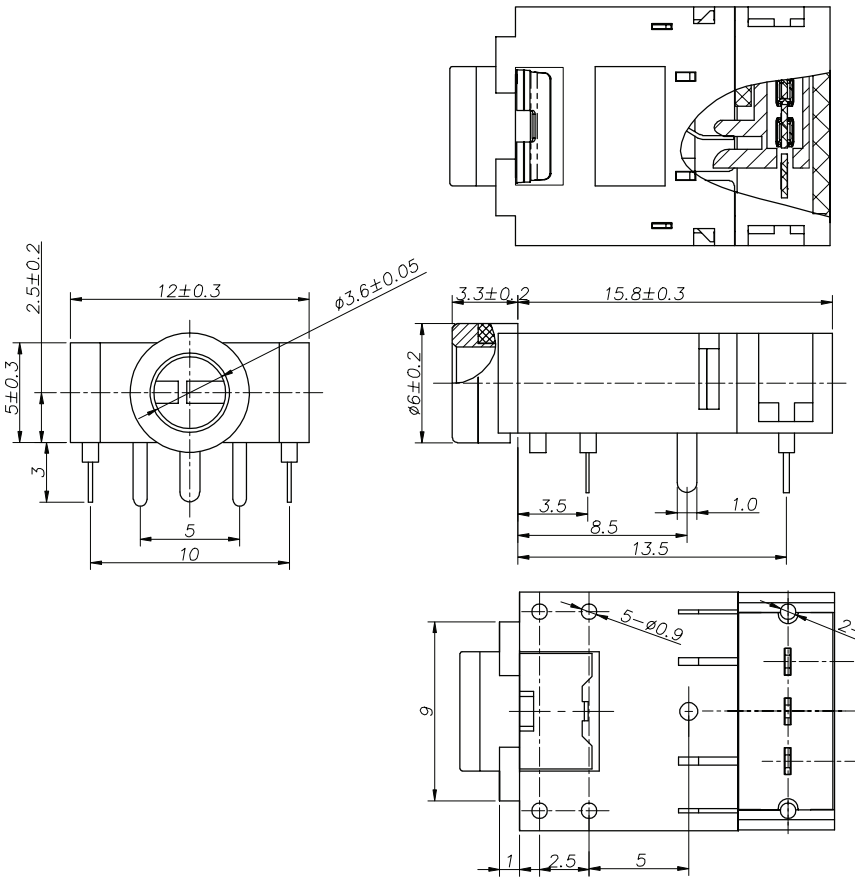
## SOLDERABILITY

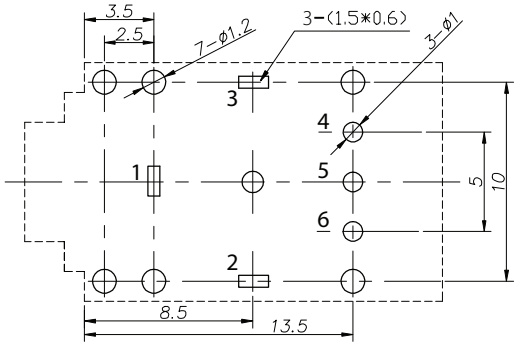
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| wave soldering | dipped in solder pot for 4~6 seconds | | 250 | | °C |

## MECHANICAL DRAWING

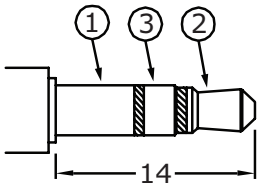
units: mm
tolerance: ±0.3 mm
PCB: ±0.05 mm
unless otherwise specified

| DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|
| terminal 1 | brass t=0.20 | tin over nickel |
| terminal 2 | stainless steel t=0.25 | silver over nickel |
| terminal 3 | stainless steel t=0.2 | silver over nickel |
| terminal 4 | brass t=0.35 | silver over nickel |
| terminal 5 | brass t=0.35 | silver over nickel |
| terminal 6 | brass t=0.35 | silver over nickel |
| bushing | copper alloy | nickel |
| switch/slide housing | PA66+15%GF (UL94V-0) | black |
| housing | PBT (UL94V-0) | black |
| bakelite | PF | brown |
| contact clip | copper alloy t=0.05 | silver over nickel |

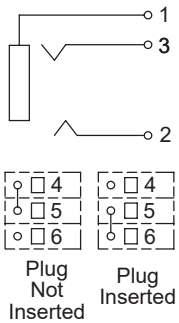



Recommended PCB Layout
Top View




Ø 3.5 MATING PLUG

| Model No. | SJ-3566AN |
|---|---|
| Schematic |  |
| PIN | |
| 1 | sleeve |
| 2 | tip |
| 3 | ring |

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 09/13/2006 |
| 1.01 | new template applied | 12/13/2011 |
| 1.02 | widened operating temperature range | 09/25/2013 |
| 1.03 | updated drawing | 02/20/2015 |
| 1.04 | changed material of terminal 2 to be stainless steel | 04/05/2016 |
| 1.05 | changed terminal plating to silver | 02/13/2019 |
| 1.06 | brand update | 10/10/2019 |
| 1.07 | discontinued models SJ-3567AN, SJ-3567BN, SJ-3566BN, & SJ-3568N; logo, datasheet style update | 08/15/2022 |
| 1.08 | product reengineered for improved manufacturability and production yield, see PCN for details | 06/02/2023 |
| 1.09 | 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

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