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# MODEL: SJ3-350134A-X7 | DESCRIPTION: AUDIO JACK

## FEATURES

- wave solder
- IPX7

## SPECIFICATIONS

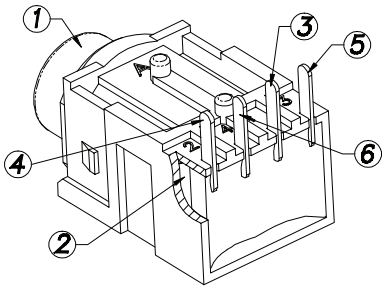
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 30 | | Vdc |
| rated input current | | | | 0.5 | A |
| contact resistance | | | | 30 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 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 | | | | |
| IP level | IPX7 | | | | |

## SOLDERABILITY

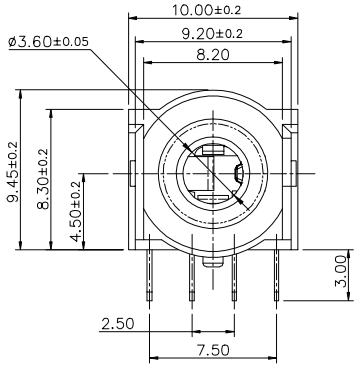
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| wave soldering | dipped in solder pot for 4~6 seconds | | 250 | | °C |

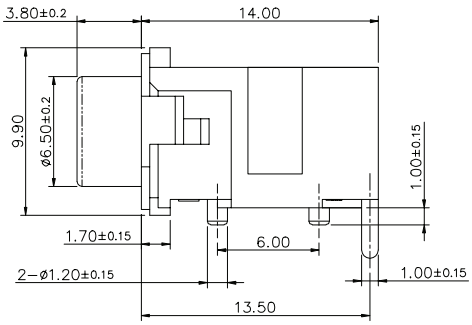
## MECHANICAL DRAWING

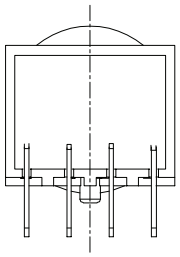
units: mm
tolerance:
X.X ±0.38 mm
X.XX ±0.30 mm
X.XXX ±0.15 mm
PCB: ±0.05 mm
unless otherwise specified
PCB thickness: 1.6 mm

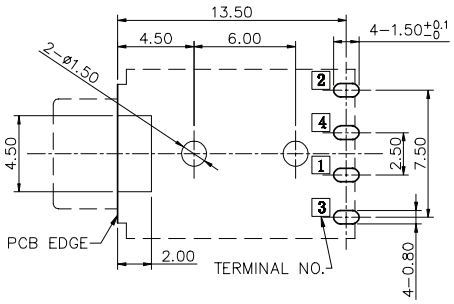


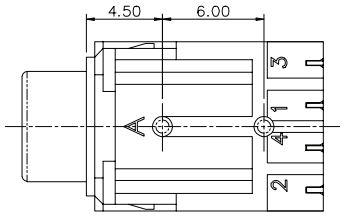

| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|---|
| 1 | housing | PBT (UL94V-0) | black |
| 2 | cover | PA66 (UL94HB) | black |
| 3 | terminal 1 | phosphor bronze t=0.25 | 8 µ" over 40 µ" nickel |
| 4 | terminal 2 | phosphor bronze t=0.30 | 8 µ" over 40 µ" nickel |
| 5 | terminal 3 | phosphor bronze t=0.25 | 8 µ" over 40 µ" nickel |
| 6 | terminal 4 | phosphor bronze t=0.25 | 8 µ" over 40 µ" nickel |



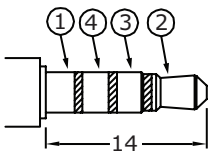



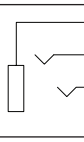



Recommended PCB Layout
Top View




Ø3.5 MATING PLUG

| Model No. | SJ3-350134A-X7 |
|---|---|
| Schematic |  |
| PIN | |
| 1 | sleeve |
| 2 | tip |
| 3 | ring 1 |
| 4 | ring 2 |

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 09/25/2024 |

The revision history provided is for informational purposes only and is believed to be accurate.

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