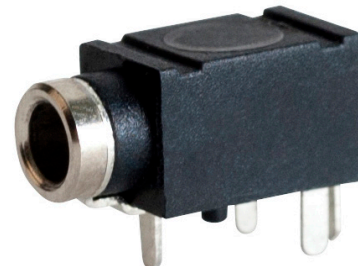


MODEL: SJ1-2503A | **DESCRIPTION:** AUDIO JACK

FEATURES

- through hole design
- low profile


SPECIFICATIONS

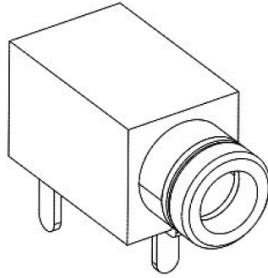
| parameter | conditions/description | min | typ | max | units |
|----------------------------|--|-----|-------|----------|----------|
| rated input voltage | | | 12 | | Vdc |
| rated input current | | | | 1 | A |
| contact resistance | between terminal and mating plug between terminal in a closed circuit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

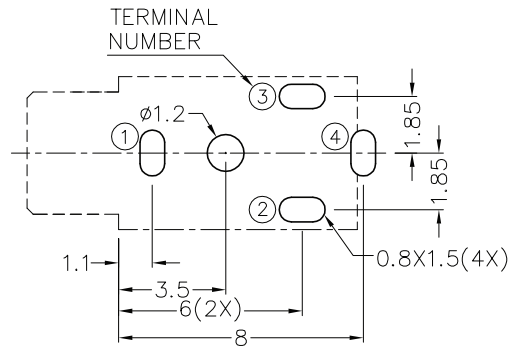
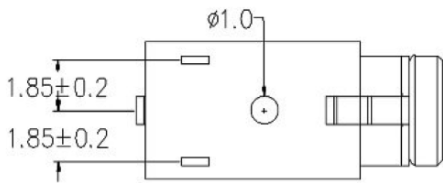
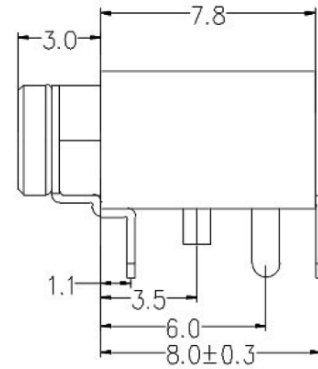
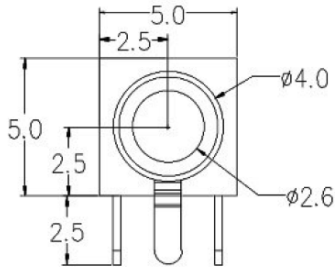
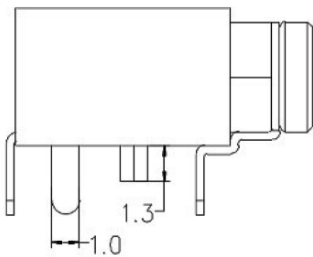
| parameter | conditions/description | min | typ | max | units |
|----------------|---|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 ±0.5 seconds | 255 | 260 | 265 | °C |

MECHANICAL DRAWING

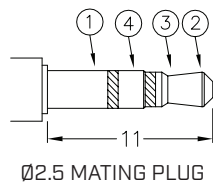
units: mm
 tolerance:
 X.X ±0.20 mm
 X.XX ±0.10 mm
 X.XXX ±0.05 mm
 unless otherwise specified



| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|---------------|---------------|
| terminal 1 | brass | silver |
| terminal 2 | copper alloy | silver |
| terminal 3 | copper alloy | silver |
| terminal 4 | copper alloy | silver |
| bushing | brass | nickel |
| housing | PBT (UL94V-0) | black |



Recommended PCB Layout
Top View



| | |
|-----------|-----------|
| Model No. | SJ1-2503A |
| Schematic | |
| PIN | |
| 1 | sleeve |
| 2 | tip |
| 3 | tip |
| 4 | ring |

REVISION HISTORY

| rev. | description | date |
|------|---|------------|
| 1.0 | initial release | 10/27/2005 |
| 1.01 | added dimensions | 11/04/2010 |
| 1.02 | changed terminal plating to silver | 02/13/2019 |
| 1.03 | brand update | 10/03/2019 |
| 1.04 | product reengineered for improved manufacturability and production yield, see PCN for details | 07/07/2023 |

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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