

**MODEL:** SP-3541 | **DESCRIPTION:** AUDIO PLUG**FEATURES**

- 4 conductor
- PCB mount
- through hole

**SPECIFICATIONS**

| parameter             | conditions/description           | min | typ   | max | units  |
|-----------------------|----------------------------------|-----|-------|-----|--------|
| rated input voltage   |                                  |     | 12    |     | Vdc    |
| rated input current   |                                  |     |       | 1   | A      |
| contact resistance    | between plug and jack            |     |       | 50  | mΩ     |
| insulation resistance | at 500 Vdc                       | 100 |       |     | MΩ     |
| voltage withstand     | for 1 minute                     |     |       | 250 | Vac    |
| insertion force       | when mating with a standard jack | 0.3 |       | 4   | kgf    |
| withdrawal force      | when mating with a standard jack | 0.3 |       | 4   | kgf    |
| operating temperature |                                  | -25 |       | 70  | °C     |
| operating humidity    |                                  |     |       | 85  | %      |
| life                  |                                  |     | 5,000 |     | cycles |
| flammability rating   | see material table               |     |       |     |        |
| RoHS                  | yes                              |     |       |     |        |

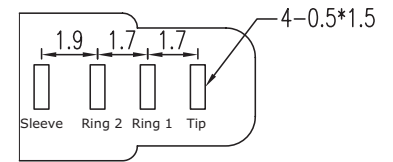
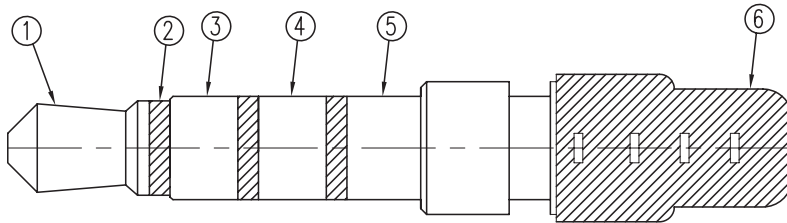
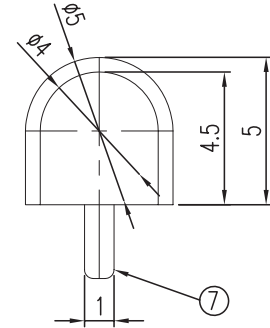
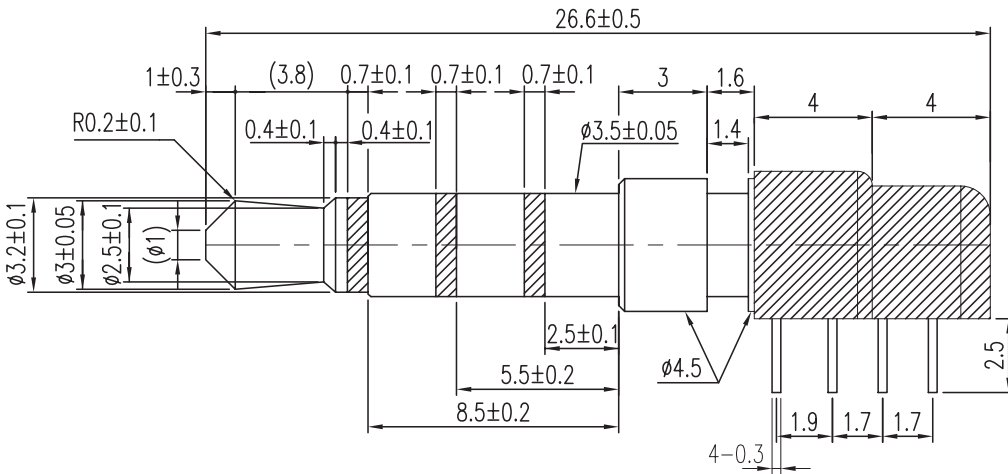
**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 1 second   | 380 | 400 | 420 | °C    |

## MECHANICAL DRAWING

units: mm  
 tolerance:  
 X≤1.0: ±0.1 mm  
 1.0<X≤6.0: ±0.2 mm  
 6.0<X≤12.0: ±0.3 mm  
 12.0<X≤25.0: ±0.4 mm  
 X>25.0: ±0.5 mm  
 unless otherwise noted

| ITEM | DESCRIPTION | MATERIAL        | PLATING/COLOR |
|------|-------------|-----------------|---------------|
| 1    | tip         | brass           | nickel        |
| 2    | insulator   | nylon [UL94V-0] | black         |
| 3    | ring 1      | brass           | nickel        |
| 4    | ring 2      | brass           | nickel        |
| 5    | sleeve      | brass           | nickel        |
| 6    | insulator   | nylon [UL94V-0] | black         |
| 7    | solder pins | brass           | nickel        |



RECOMMENDED  
 PCB LAYOUT  
 [Top View]

## REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 06/18/2018 |
| 1.01 | brand update                      | 10/11/2019 |
| 1.02 | logo, datasheet style update      | 08/16/2022 |
| 1.03 | 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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