

MODEL: SR-2530-01 | DESCRIPTION: AUDIO RECEPTACLE

FEATURES

- 3 conductor
- designed for overmolding



SPECIFICATIONS

| parameter             | conditions/description           | min | typ   | max | units  |
|-----------------------|----------------------------------|-----|-------|-----|--------|
| rated input voltage   |                                  |     | 12    |     | Vdc    |
| rated input current   |                                  |     |       | 1   | A      |
| contact resistance    | between plug and receptacle      |     |       | 100 | mΩ     |
| insulation resistance | at 100 Vdc                       | 50  |       |     | MΩ     |
| voltage withstand     | for 1 minute                     |     |       | 500 | Vac    |
| insertion force       | when mating with a standard plug | 0.4 |       | 4   | kgf    |
| withdrawal force      | when mating with a standard plug | 0.4 |       | 4   | kgf    |
| operating temperature |                                  | -25 |       | 70  | °C     |
| operating humidity    |                                  |     |       | 85  | %      |
| life                  |                                  |     | 5,000 |     | cycles |
| flammability rating   | see material table               |     |       |     |        |
| RoHS                  | yes                              |     |       |     |        |

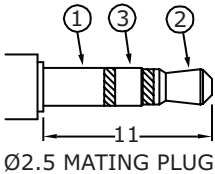
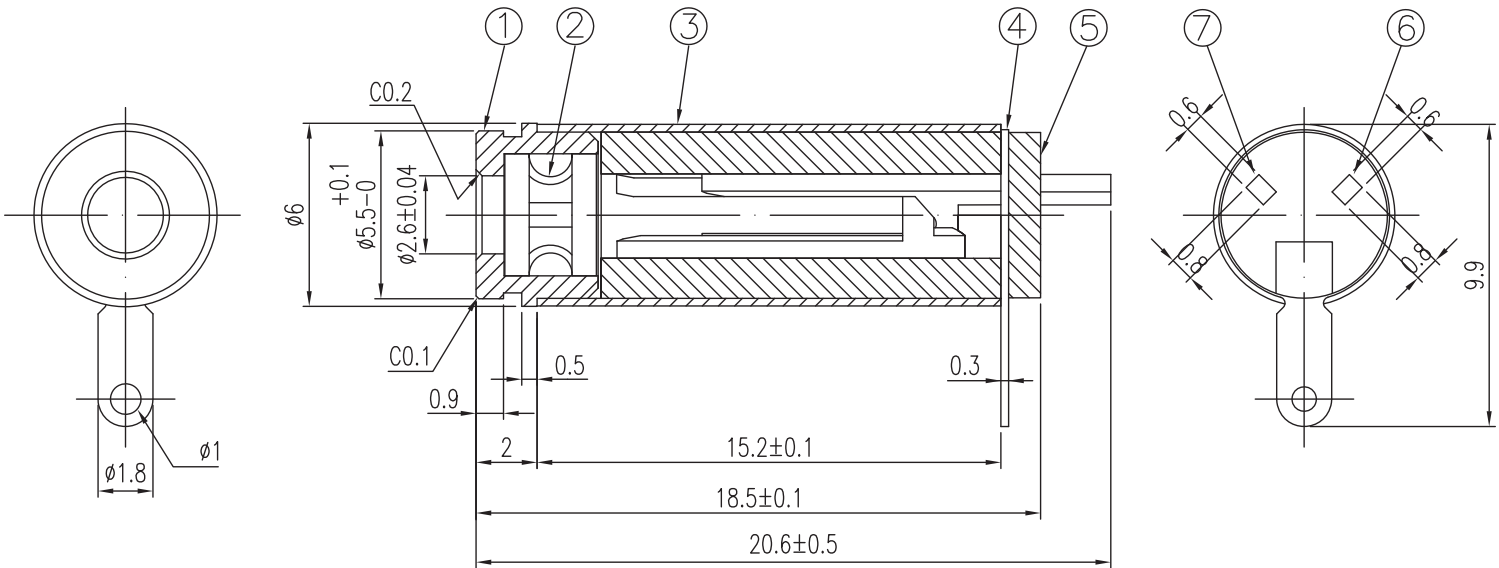
SOLDERABILITY

| 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≤18.0: ±0.3 mm  
18.0<X≤40.0: ±0.4 mm  
X>40.0: ±0.5 mm  
unless otherwise noted

| ITEM | DESCRIPTION     | MATERIAL        | PLATING/COLOR |
|------|-----------------|-----------------|---------------|
| 1    | body            | brass           | nickel        |
| 2    | internal sleeve | phosphor bronze | nickel        |
| 3    | outer sleeve    | brass           | nickel        |
| 4    | terminal 1      | brass           | nickel        |
| 5    | insulator       | PBT [UL94HB]    | black         |
| 6    | terminal 3      | phosphor bronze | nickel        |
| 7    | terminal 2      | phosphor bronze | gold          |



|           |            |
|-----------|------------|
| Model No. | SR-2530-01 |
| Schematic |            |
| TERMINAL  |            |
| 1         | sleeve     |
| 2         | tip        |
| 3         | ring       |

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 06/18/2018 |
| 1.01 | brand update                      | 10/18/2019 |
| 1.02 | updated drawing                   | 12/02/2021 |
| 1.03 | logo, datasheet style update      | 08/18/2022 |
| 1.04 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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



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