

MODEL: MP-3521 | DESCRIPTION: AUDIO PLUG

FEATURES

- 2 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 jack            |     |       | 30  | mΩ     |
| insulation resistance | at 500 Vdc                       | 100 |       |     | MΩ     |
| voltage withstand     | for 1 minute                     |     |       | 500 | Vac    |
| insertion force       | when mating with a standard jack | 0.4 |       | 4   | kgf    |
| withdrawal force      | when mating with a standard jack | 0.4 |       | 4   | kgf    |
| operating temperature |                                  | -25 |       | 70  | °C     |
| operating humidity    |                                  |     |       | 85  | %      |
| life                  |                                  |     | 5,000 |     | cycles |
| flammability rating   | see material table               |     |       |     |        |
| RoHS                  | yes                              |     |       |     |        |

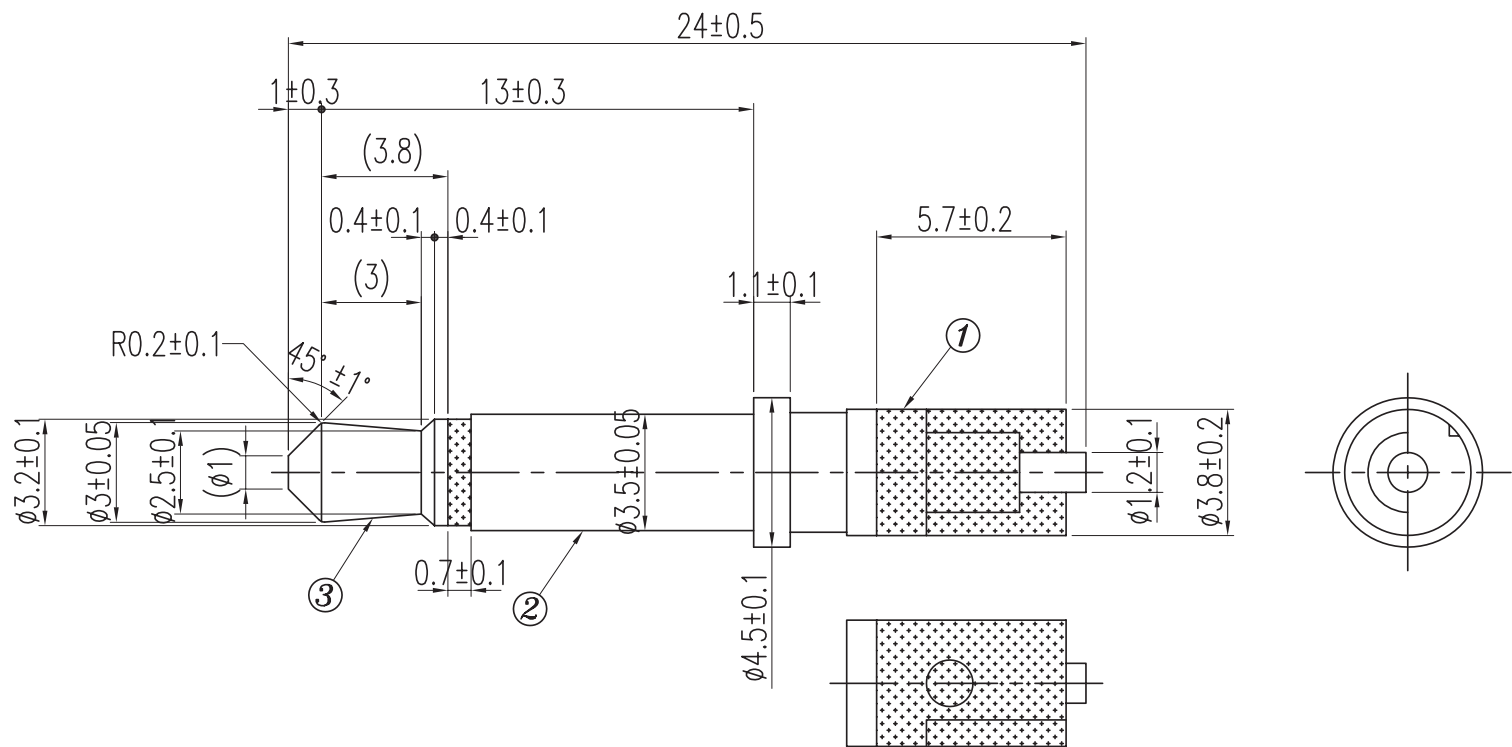
SOLDERABILITY

| 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    | insulator   | POM (UL94HB) | black         |
| 2    | sleeve      | brass        | nickel        |
| 3    | tip         | brass        | nickel        |



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.



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