CUI DEVICES



## **MODEL:** PP-063045-OM | **DESCRIPTION:** DC POWER PLUG

**FEATURES**
- 6.5 A current rating
- signal pin
- designed for overmolding



RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 20 | | Vdc |
| rated input current | power pins<br>signal pin | | | 6.5<br>1.0 | A<br>A |
| contact resistance | power pins<br>signal pin | | | 30<br>100 | mΩ<br>mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 100 | Vac |
| insertion force | when mating with a standard jack | | | 3.0 | kgf |
| withdrawal force | when mating with a standard jack | 0.3 | | | kgf |
| operating temperature | | -25 | | 70 | °C |
| operating humidity | | | | 85 | % |
| life | | | 5,000 | | cycles |
| flammability rating | see material table | | | | |
| RoHS | yes | | | | |

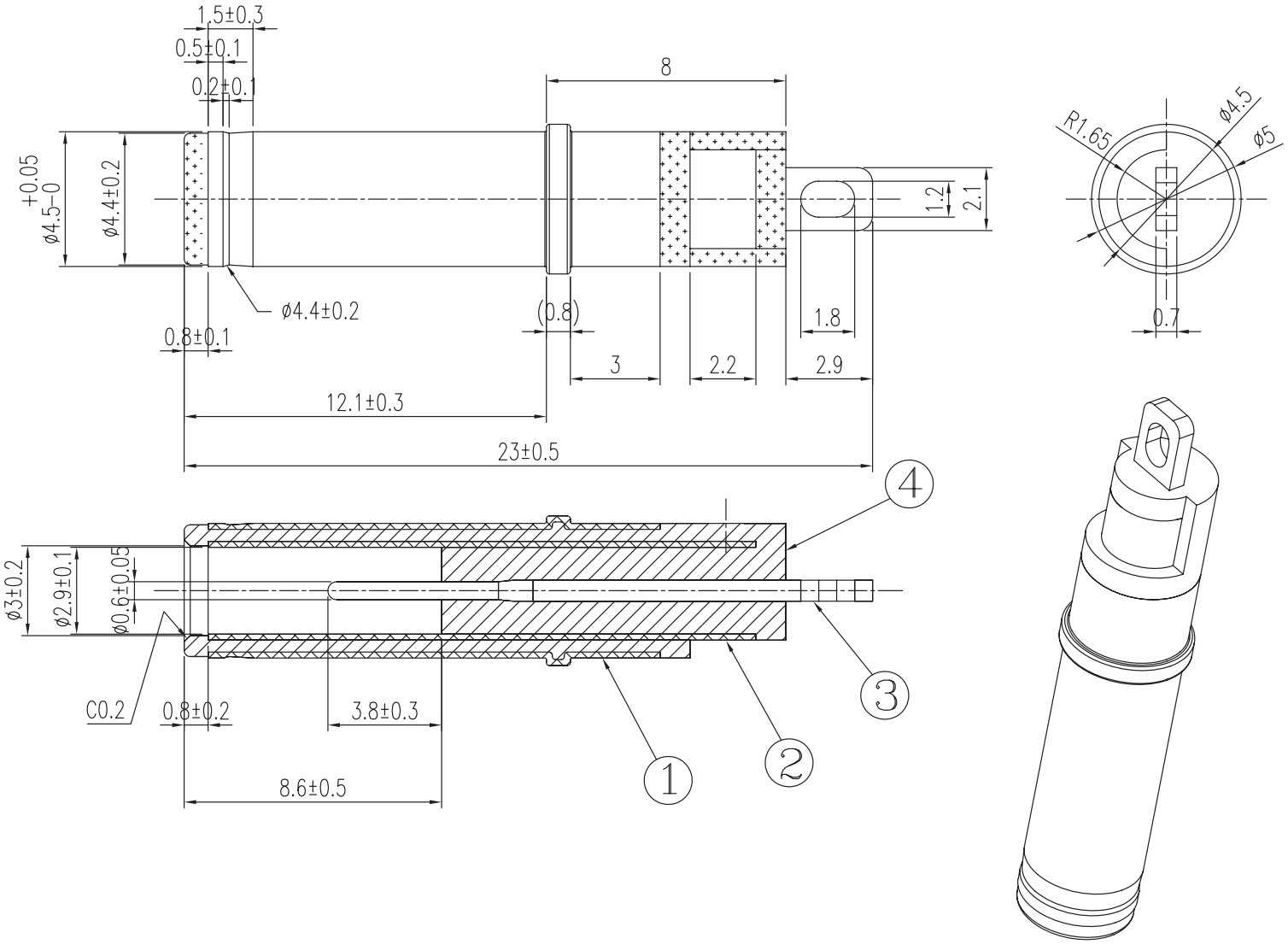
## SOLDERABILITY

| 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<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 | outer sleeve | brass | nickel |
| 2 | inner sleeve | brass | nickel |
| 3 | center pin | steel | gold |
| 4 | insulator | PA66 (UL94V-2) | black |



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 07/17/2020 |

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

CUI DEVICES

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