



MODEL: PP-165274-OM | DESCRIPTION: DC POWER PLUG

FEATURES

- 13 A current rating
- signal pin
- designed for overmolding



SPECIFICATIONS

| parameter             | conditions/description           | min | typ   | max | units  |
|-----------------------|----------------------------------|-----|-------|-----|--------|
| rated input voltage   |                                  |     | 24    |     | Vdc    |
| rated input current   | power pins                       |     |       | 13  | A      |
|                       | signal pin                       |     |       | 1   | A      |
| contact resistance    | power pins                       |     |       | 30  | mΩ     |
|                       | signal pin                       |     |       | 30  | mΩ     |
| insulation resistance | at 500 Vdc                       | 100 |       |     | MΩ     |
| voltage withstand     | for 1 minute                     |     |       | 500 | 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                              |     |       |     |        |

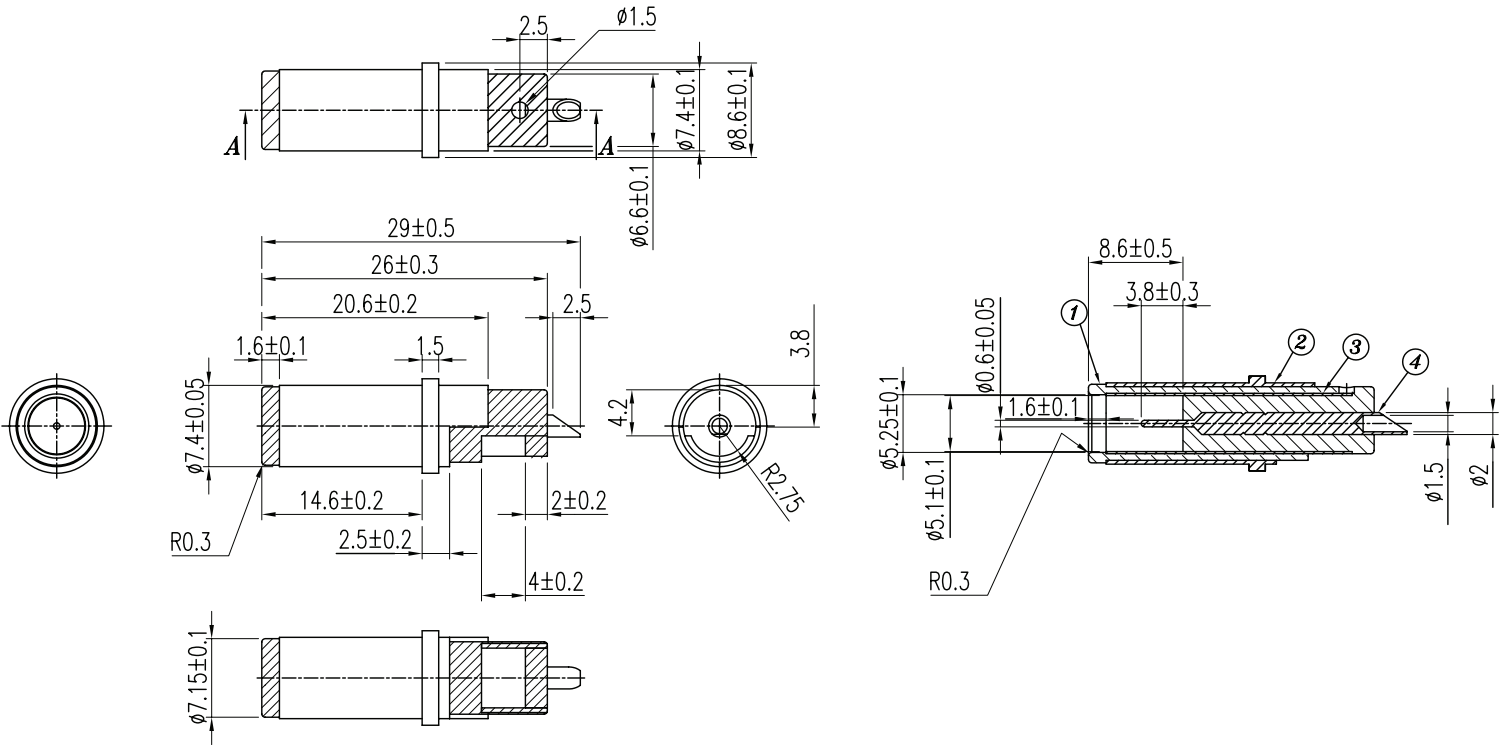
SOLDERABILITY

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

MECHANICAL DRAWING

units: mm  
tolerance:  
 $X \leq 1.0$ :  $\pm 0.1$  mm  
 $1.0 < X \leq 6.0$ :  $\pm 0.2$  mm  
 $6.0 < X \leq 12.0$ :  $\pm 0.3$  mm  
 $12.0 < X \leq 25.0$ :  $\pm 0.4$  mm  
 $X > 25.0$ :  $\pm 0.5$  mm  
unless otherwise noted

| ITEM | DESCRIPTION  | MATERIAL      | PLATING/COLOR      |
|------|--------------|---------------|--------------------|
| 1    | insulator    | PBT [UL94V-0] | black              |
| 2    | outer sleeve | brass         | nickel over copper |
| 3    | inner sleeve | brass         | nickel over copper |
| 4    | center pin   | brass         | gold over nickel   |



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 07/17/2020 |
| 1.01 | logo, datasheet style update      | 08/05/2022 |
| 1.02 | 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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