

**MODEL:** PP-002D-01 | **DESCRIPTION:** DC POWER PLUG**FEATURES**

- cable mount
- 4 A current rating
- hexagonal cover with strain relief

**SPECIFICATIONS**

| parameter             | conditions/description           | min | typ   | max | units  |
|-----------------------|----------------------------------|-----|-------|-----|--------|
| rated input voltage   |                                  |     | 20    |     | Vdc    |
| rated input current   |                                  |     |       | 4   | 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 | 0.5 |       | 2.5 | kgf    |
| withdrawal force      | when mating with a standard jack | 0.3 |       | 2.0 | 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

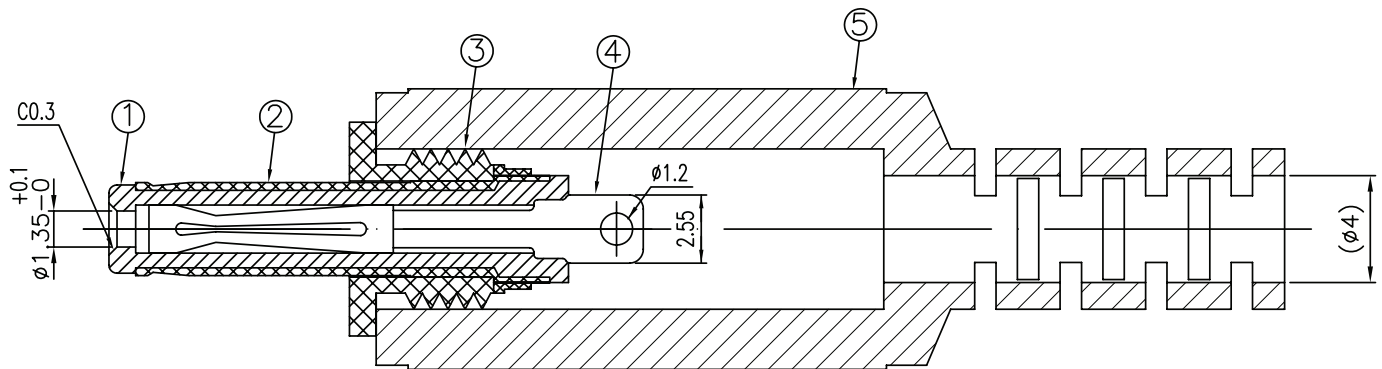
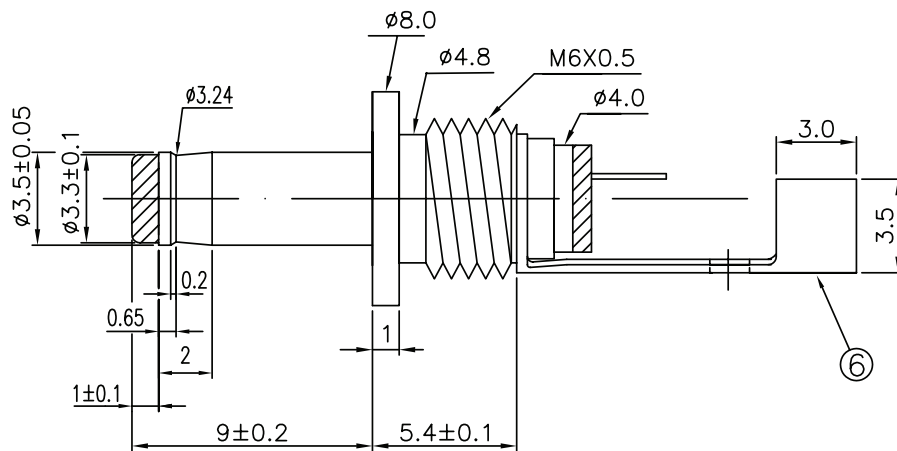
units: mm

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      | POM (UL94HB)    | black         |
| 2    | outer barrel   | brass           | nickel        |
| 3    | body           | brass           | nickel        |
| 4    | center contact | phosphor bronze | nickel        |
| 5    | cover          | PVC             | black         |
| 6    | crimp contact  | brass           | nickel        |



## REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 06/20/2018 |
| 1.01 | brand update    | 11/07/2019 |

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

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