CUI DEVICES



## **MODEL:** PD-40S | **DESCRIPTION:** POWER DIN JACK

### FEATURES

- 4 pin power DIN
- through hole
- shielded
- suitable for high power applications



RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 20 | | Vdc |
| rated input current | all pins | | | 7.5 | A |
| contact resistance | at 20 mA, 1 kHz | | | 30 | mΩ |
| insulation resistance | at 250 Vdc | 50 | | | MΩ |
| voltage withstand | for 1 minute | | | 250 | Vac |
| insertion force | | | | 6.5 | kg |
| withdrawal force | | 0.5 | | 6.5 | kg |
| operating temperature | | -40 | | 85 | °C |
| life | | | 1,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

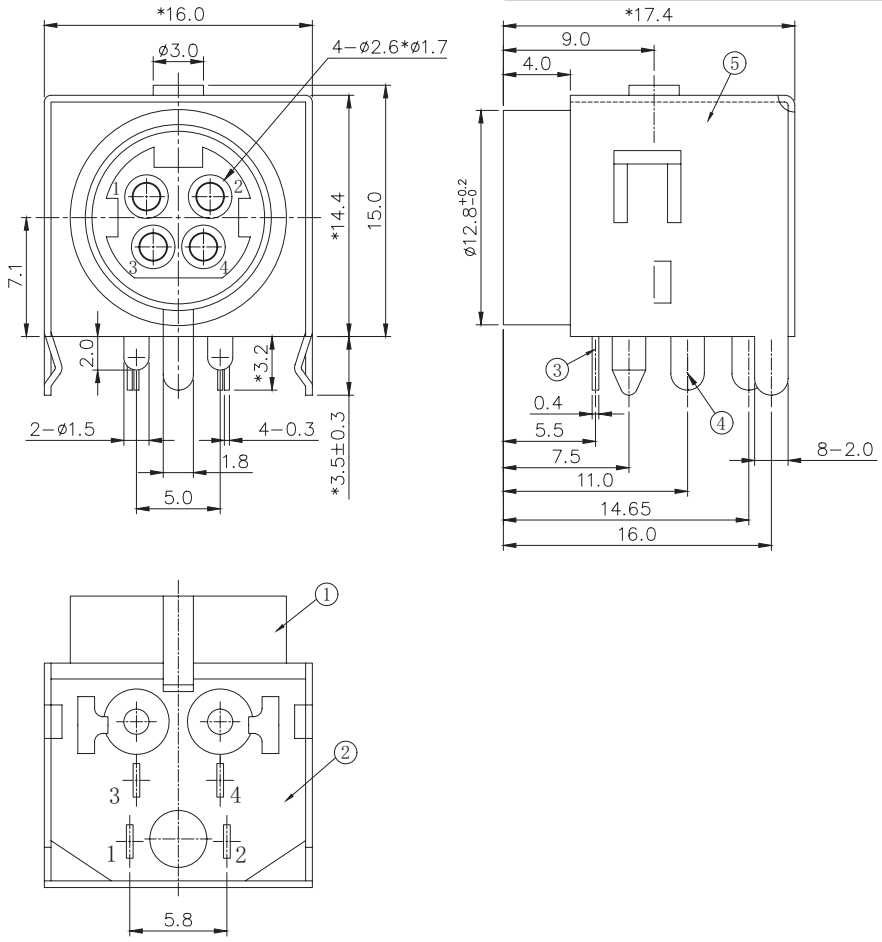
## SOLDERABILITY

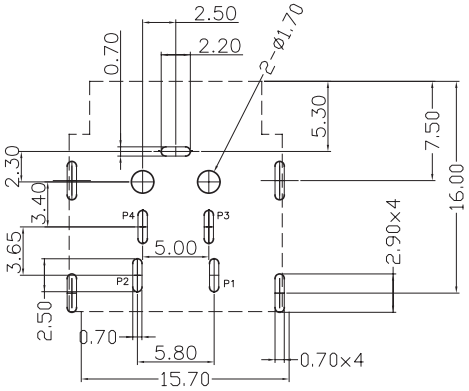
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| wave soldering | for max 10 seconds | 235 | | 260 | °C |

## MECHANICAL DRAWING

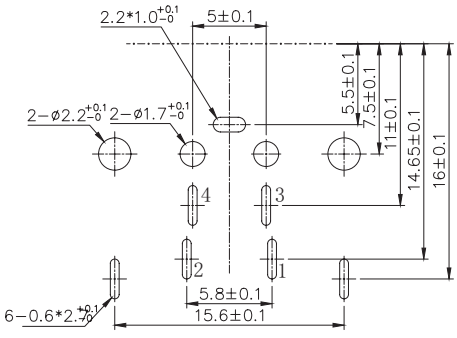
units: mm
tolerance: ±0.3 mm
unless otherwise noted

| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|---|
| 1 | body | PBT (UL94V-0) | black |
| 2 | cover | PBT (UL94V-0) | black |
| 3 | earth terminal | brass | tin |
| 4 | terminals | brass | tin |
| 5 | shield | SPCC | tin |




Recommended PCB Layout
Top View
(Date Codes prior to 03/03/2022)




Recommended PCB Layout
Top View
(Date Codes after 03/03/2022)

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 11/19/2008 |
| 1.01 | update to title and tolerance | 09/08/2009 |
| 1.02 | updated datasheet | 01/11/2018 |
| 1.03 | updated housing, brand update | 11/15/2019 |
| 1.04 | updated PCB footprint | 08/11/2020 |
| 1.05 | modified design, changed factory | 02/18/2022 |

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

CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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