

**MODEL:** PD-40S | **DESCRIPTION:** POWER DIN**FEATURES**

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

**SPECIFICATIONS**

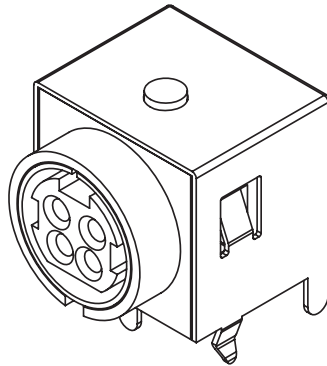
| parameter                       | conditions/description           | min | typ   | max | units  |
|---------------------------------|----------------------------------|-----|-------|-----|--------|
| rated input voltage             |                                  |     | 20    |     | Vdc    |
| rated input current             |                                  |     |       | 7.5 | A      |
| contact resistance <sup>1</sup> |                                  |     |       | 30  | mΩ     |
| insulation resistance           | at 250 Vdc                       | 50  |       |     | MΩ     |
| voltage withstand               | for 1 minute                     |     |       | 250 | Vac    |
| insertion force                 |                                  |     |       | 6.0 | kg     |
| withdrawal force                |                                  | 0.5 |       | 6.0 | kg     |
| operating temperature           |                                  | -40 |       | 85  | °C     |
| life                            | at a rate of 10~20 cycles/minute |     | 1,000 |     | cycles |
| flammability rating             | UL94V-0                          |     |       |     |        |
| RoHS                            | 2011/65/EU                       |     |       |     |        |

Note: 1. When measured at a current of less than 20 mA/1 kHz

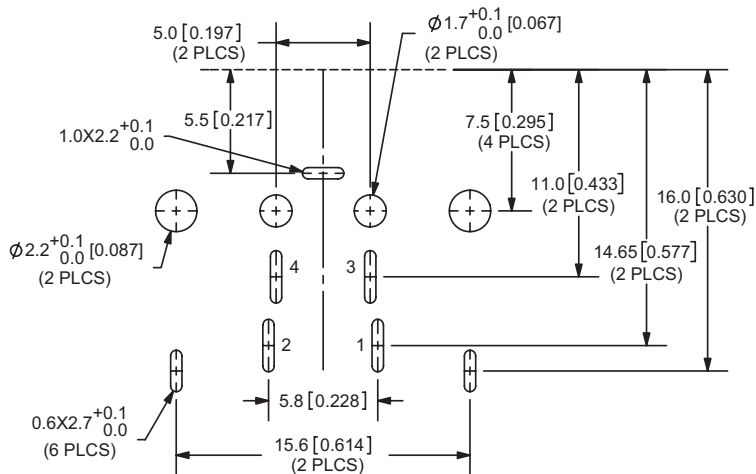
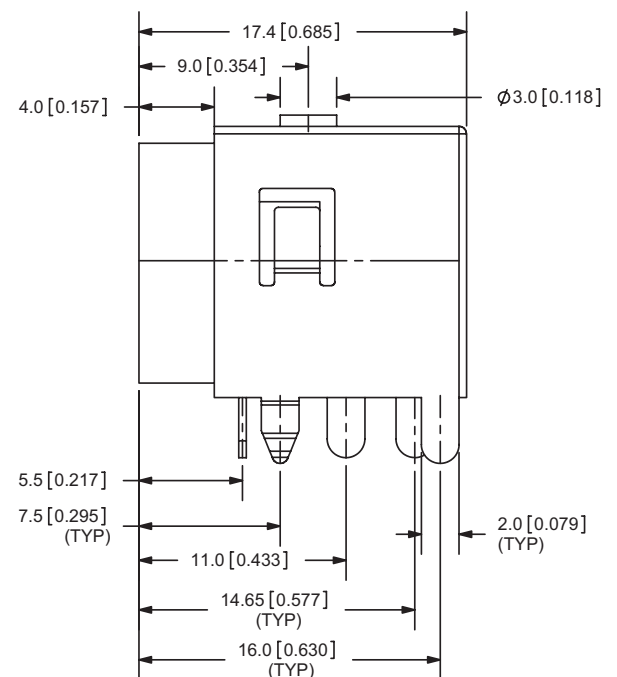
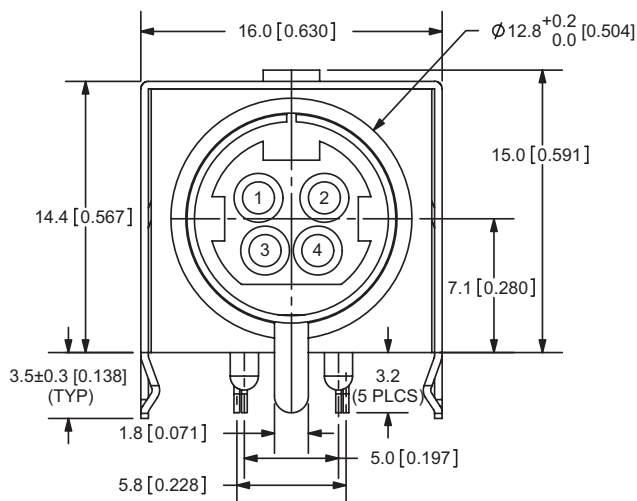
**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 3 ± 1 seconds      | 300 |     | 350 | °C    |
| wave soldering | for 2~5 seconds        | 245 | 255 | 265 | °C    |

units: mm  
tolerance:  
X.X  $\pm 0.2$  mm  
PCB:  $\pm 0.1$  mm



|                | MATERIAL | PLATING |
|----------------|----------|---------|
| terminal 1     | brass    | tin     |
| terminal 2     | brass    | tin     |
| terminal 3     | brass    | tin     |
| terminal 4     | brass    | tin     |
| earth terminal | brass    | tin     |
| shield         | steel    | tin     |
| plastic        | PBT      |         |



Recommended PCB Layout  
Top View

## 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 |

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



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

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