CUI Devices is now Same Sky! Learn More



# MODEL: PD-40V | DESCRIPTION: POWER DIN JACK

## FEATURES

- PCB mount
- vertical
- non-shielded



RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 20 | | Vdc |
| rated input current | all pins | | | 7.5 | A |
| contact resistance | | | | 30 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion force | | | | 4.5 | kgf |
| withdrawal force | | 0.9 | | 3.0 | kgf |
| operating temperature | | -25 | | 70 | °C |
| storage temperature | | -25 | | 70 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

## SOLDERABILITY

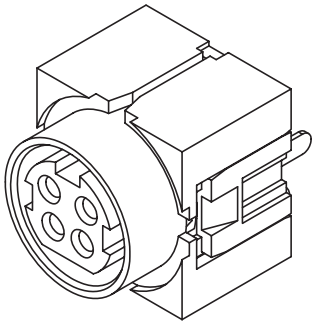
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| hand soldering | for 3~5 seconds | 350 | 360 | 370 | °C |



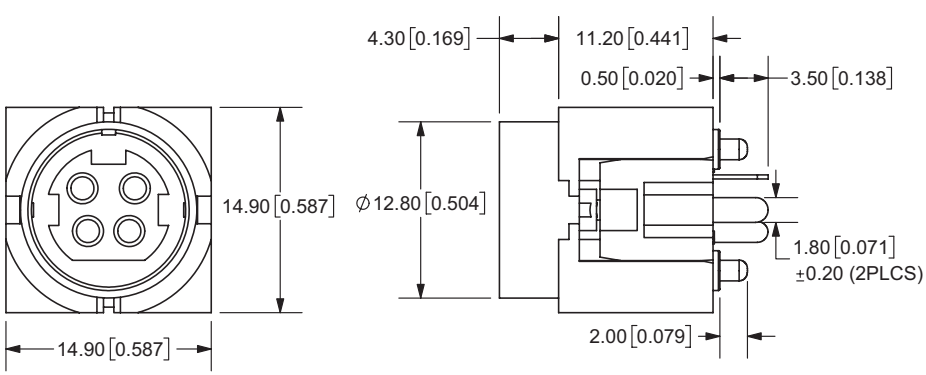
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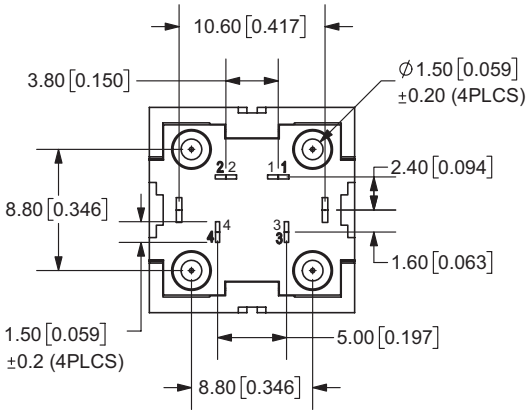
## MECHANICAL DRAWING

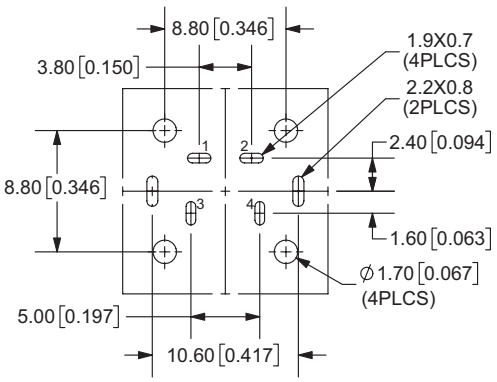
units: mm[inch]
tolerance: ±0.3 mm



| | MATERIAL | PLATING |
|---|---|---|
| housing | PBT | |
| cover | PBT | black |
| contact terminal | 0.3T phoshor bronze | silver |
| inner shield | 0.4T bronze | nickel |




Recommended PCB Layout
Top View



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## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 08/02/2011 |
| 1.01 | brand update | 03/31/2020 |
| 1.02 | logo, datasheet style update | 08/05/2022 |
| 1.03 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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

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

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.



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