

MODEL: PJ-055D | **DESCRIPTION:** DC POWER JACK

FEATURES

- 1.3 mm center pin
- 3.0 A rating
- vertical orientation
- through hole mount


SPECIFICATIONS

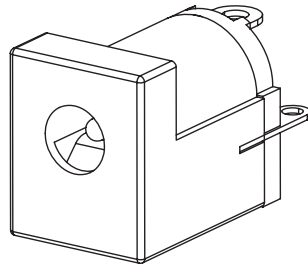
| parameter | conditions/description | min | typ | max | units |
|----------------------------|------------------------|-----|-------|-----|--------|
| rated input voltage | | | 30 | | Vdc |
| rated input current | | | | 3.0 | A |
| contact resistance | | | | 30 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -25 | | 85 | °C |
| storage temperature | | -40 | | 85 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

SOLDERABILITY

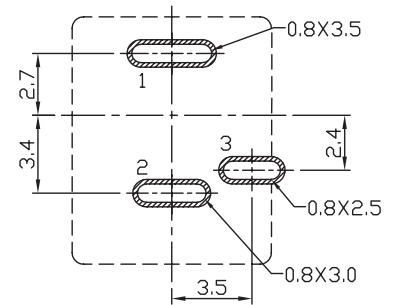
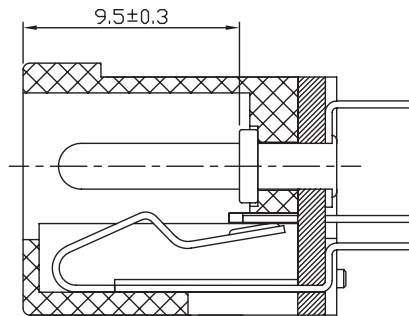
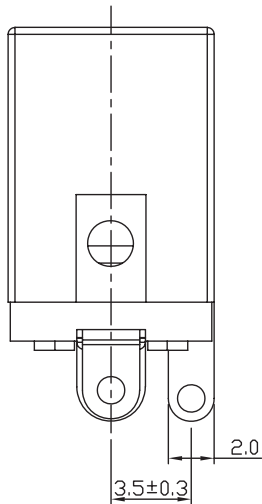
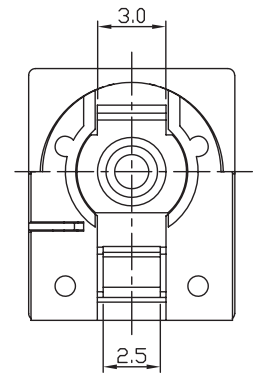
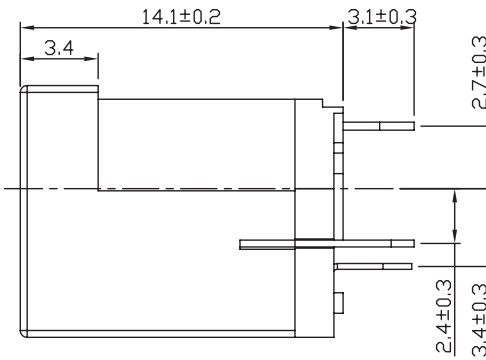
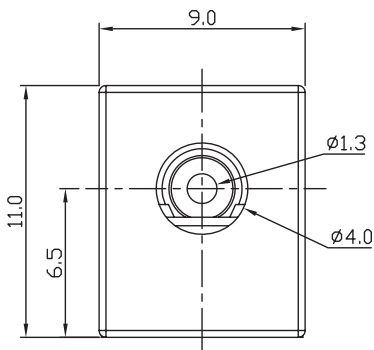
| parameter | conditions/description | min | typ | max | units |
|----------------|-------------------------------------|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 10 seconds | | 260 | | °C |

MECHANICAL DRAWING

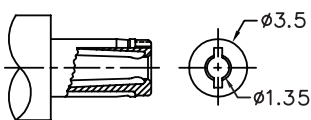
units: mm
 tolerance: ± 0.2 mm
 PCB: ± 0.05 mm
 unless otherwise specified



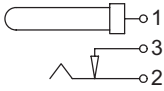
| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|---------------|---------------|
| center pin | brass (H65) | nickel |
| terminal 1 | brass | silver |
| terminal 2 | bronze | silver |
| terminal 3 | brass | silver |
| housing | PBT [UL94V-0] | black |



Recommended PCB Layout
 Top View



MATING PLUG
 Jack Insertion Depth: 9.5 mm

| | |
|------------|---|
| SCHEMATIC |  |
| Model | PJ-055D |
| Center Pin | $\varnothing 1.3$ mm |

REVISION HISTORY

| rev. | description | date |
|------|---|------------|
| 1.0 | initial release | 07/30/2007 |
| 1.01 | applied new spec template | 01/21/2016 |
| 1.02 | increased voltage rating | 04/14/2016 |
| 1.03 | brand update | 10/25/2019 |
| 1.04 | product reengineered for improved manufacturability and production yield, see PCN for details | 01/10/2023 |

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



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

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