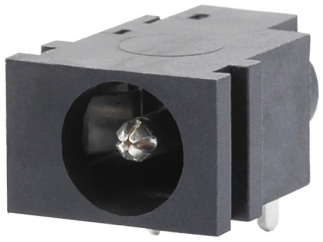
CUDEVICES



# **MODEL:** PJ-041H | **DESCRIPTION:** DC POWER JACK

### FEATURES

- 1.65 mm center pin
- high current 5 A rating
- right angle orientation
- through hole with panel slot



RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 5.0 | A |
| contact resistance | between terminal and mating plug<br>between terminal in a closed circuit | | | 50<br>30 | mΩ<br>mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -25 | | 85 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

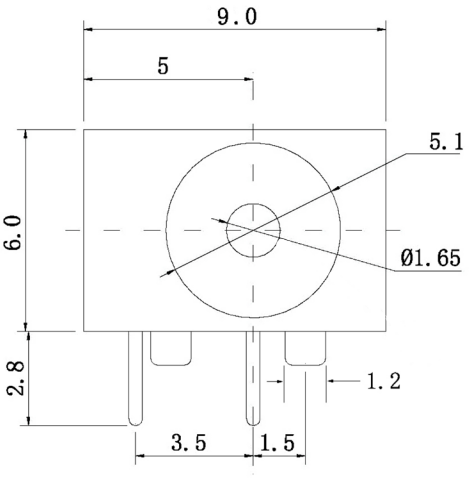
## SOLDERABILITY

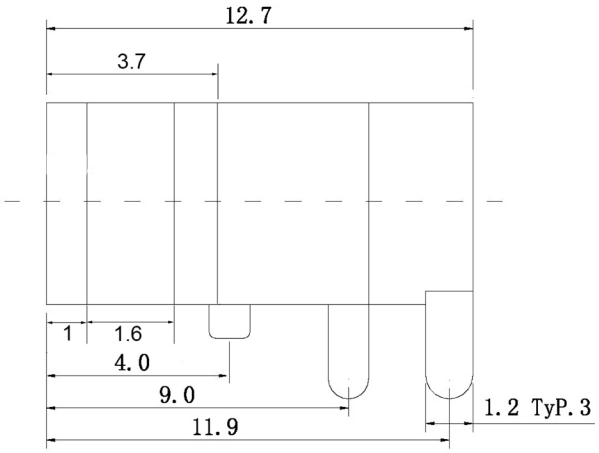
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| wave soldering | dipped in solder pot for 5 ±0.5 seconds | 255 | 260 | 265 | °C |

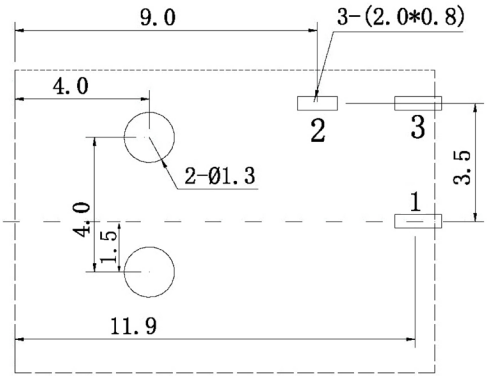
## MECHANICAL DRAWING

units: mm
tolerance:
X. ±0.15 mm
X.X ±0.10 mm
X.XX ±0.05 mm
PCB: ±0.05 mm
unless otherwise specified

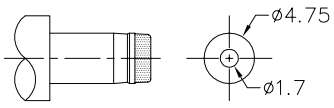
| DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|
| center pin | brass | silver |
| terminal 1 | brass | silver |
| terminal 2 | C5191 phosphor bronze t=0.30 | silver |
| terminal 3 | C5210 brass t=0.30 | silver |
| housing | PA66 (UL94V-0) | black |



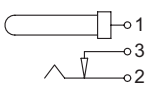




Recommended PCB Layout
Top View




MATING PLUG
Jack Insertion Depth: 8.9 mm

| SCHEMATIC |  |
|---|---|
| Model | PJ-041H |
| Center Pin | Ø1.65 mm |

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 07/30/2007 |
| 1.01 | applied new spec template | 01/14/2015 |
| 1.02 | increased voltage rating | 05/20/2016 |
| 1.03 | brand update | 10/28/2019 |
| 1.04 | logo, datasheet style update | 08/05/2022 |
| 1.05 | product reengineered for improved manufacturability and production yield, see PCN for details | 01/05/2023 |

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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