CUI DEVICES



# MODEL: PJ-004CH | DESCRIPTION: DC POWER JACK

### FEATURES

- 1 mm center pin
- 3.5 A rating
- shielded
- panel mount



RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 3.5 | A |
| contact resistance[1] | between terminal and mating plug<br>between terminal in a closed circuit | | | 50<br>30 | mΩ<br>mΩ |
| insulation resistance | at 500 Vdc between adjacent contacts | 100 | | | MΩ |
| voltage withstand | for 1 minute, 0.5 mA between adjacent contacts | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -25 | | 85 | °C |
| life | at a rate of 24 cycles/minute | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

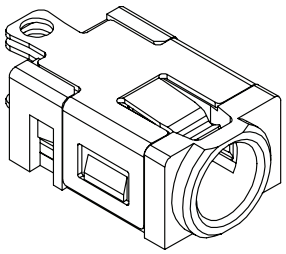
Note: 1. When measured at a current of less than 100 mA/1 kHz
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

## SOLDERABILITY

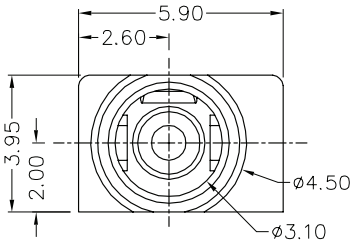
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| hand soldering | for 3~4 seconds | 340 | 350 | 360 | °C |

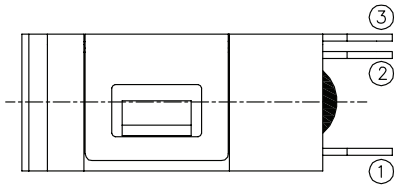
## MECHANICAL DRAWING

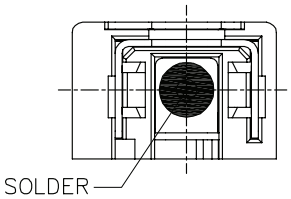
units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm

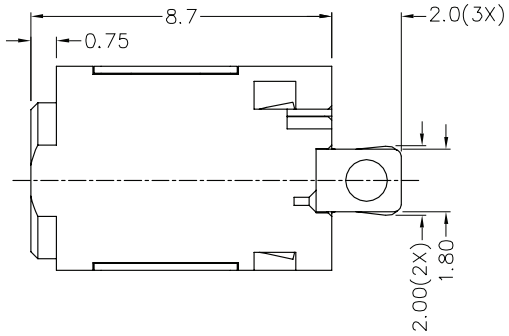


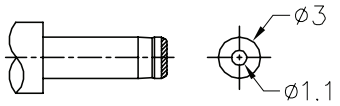
| | MATERIAL | PLATING |
|---|---|---|
| center pin | brass | nickel |
| terminal 1 | brass | silver |
| terminal 2 | copper alloy | silver |
| terminal 3 | copper alloy | silver |
| insulator | PA10T | |



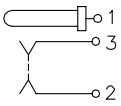




MATING PLUG
Jack Insertion Depth: 6.05 mm

| SCHEMATIC |  |
|---|---|
| Model | PJ-004CH |
| Center Pin | Ø1 mm |

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 12/13/2018 |
| 1.01 | brand update | 10/22/2019 |

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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