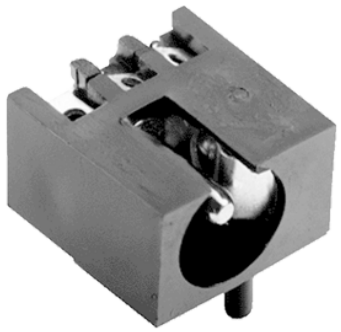
CUI DEVICES



## MODEL: PJ-012A | DESCRIPTION: DC POWER JACK

### FEATURES

- 2.0 mm center pin
- 5.0 A rating
- right-angle orientation
- through hole



RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 5.0 | A |
| contact resistance[1] | | | | 30 | 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 | | 70 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

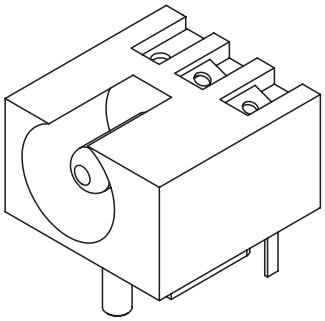
Note: 1. When measured at a current of less than 100 mA/1 kHz

## SOLDERABILITY

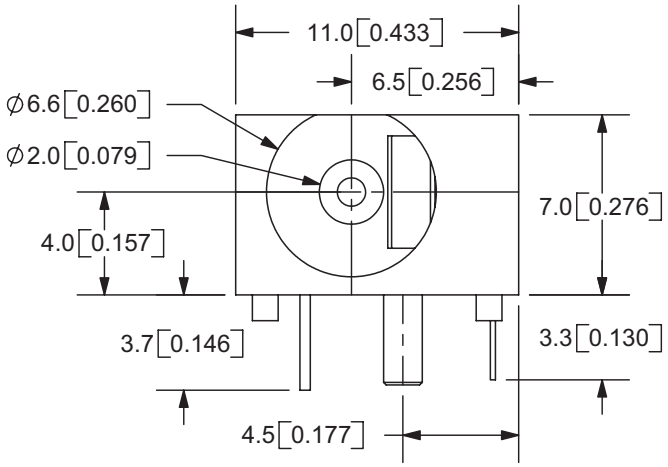
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| hand soldering | for 3~5 seconds | | | 360 | °C |

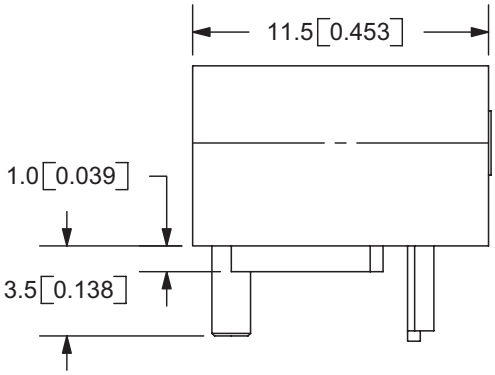
## MECHANICAL DRAWING

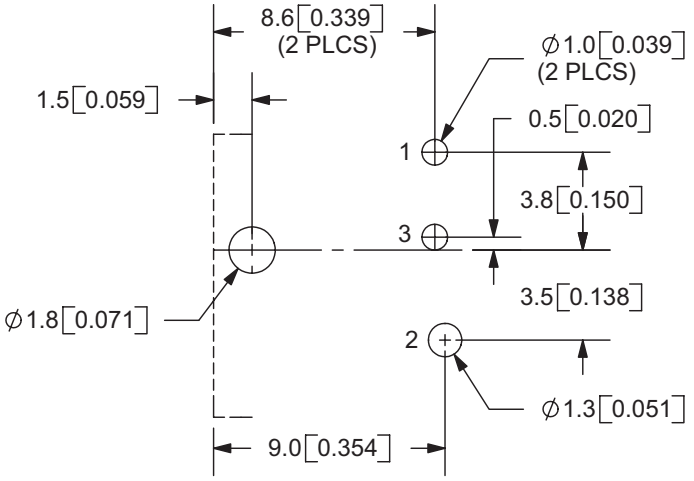
units: mm[inches]
tolerance: ±0.3 mm
unless otherwise noted



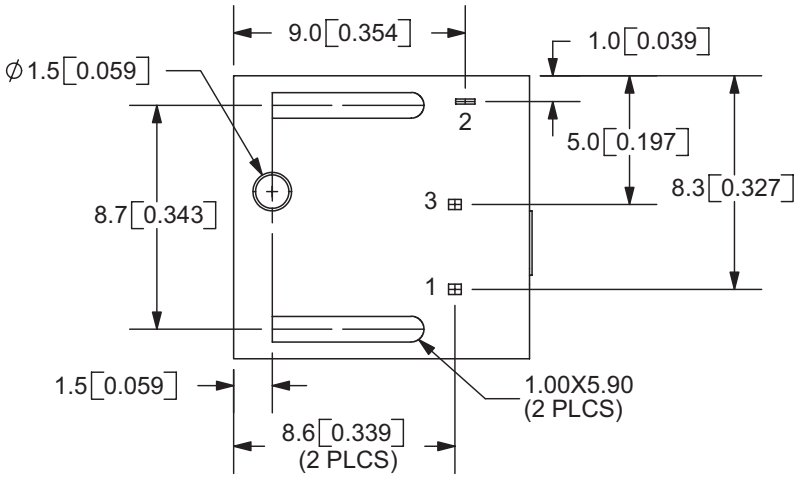
| | MATERIAL | PLATING |
|---|---|---|
| center pin | copper | nickel |
| terminal 1 | brass | silver |
| terminal 2 | titanium copper alloy | silver |
| terminal 3 | brass | silver |
| plastic | PBT | |

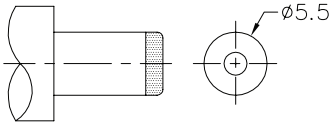


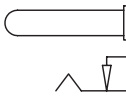




PCB LAYOUT
TOP VIEW




MATING PLUG
Jack Insertion Depth: 6.7 mm

| SCHEMATIC |  |
|---|---|
| Model | PJ-012A |
| Center Pin | Ø2.0 mm |



Note: 1. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 05/17/2006 |
| 1.01 | brand update | 06/02/2020 |

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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