CUDEVICES



# **MODEL:** PJ-077 | **DESCRIPTION:** DC POWER JACK

## FEATURES

- spring terminals
- low profile
- no internal switch



RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 1 | 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 | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 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 | | | | |

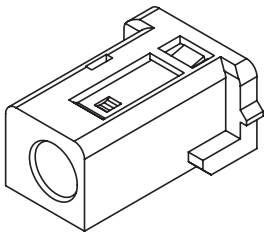
Note:
1. When measured at a current of less than 100 mA/1 kHz
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

DISCONTINUED

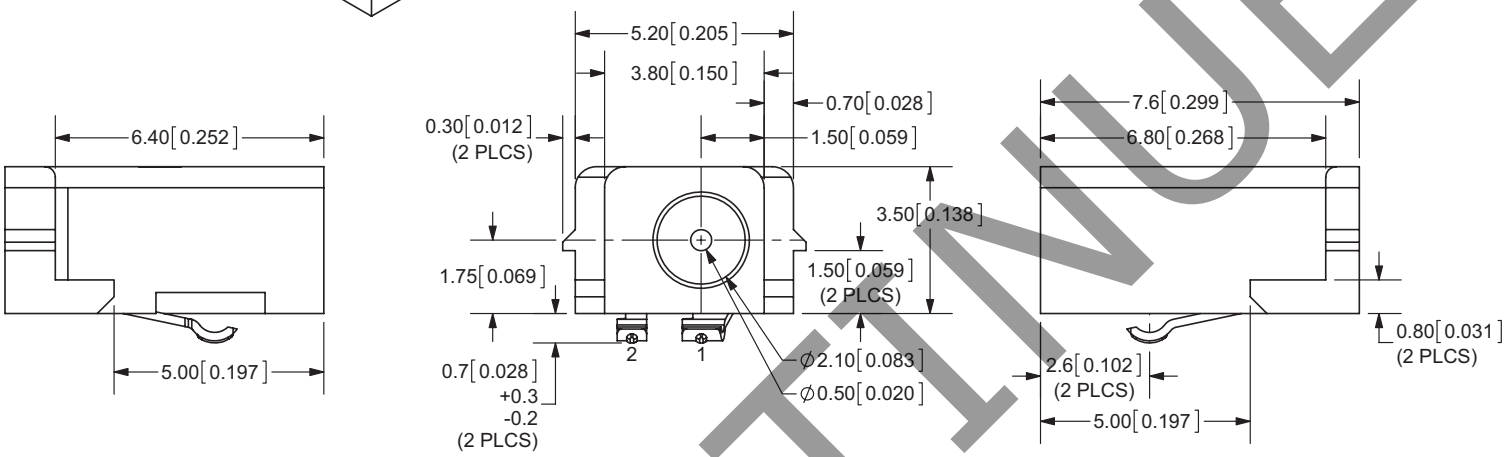
## MECHANICAL DRAWING

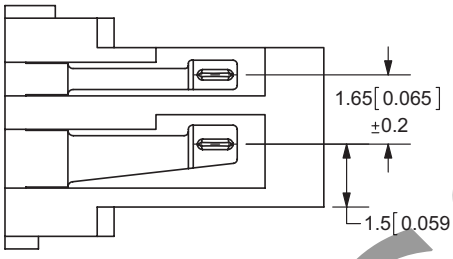
units: mm[inches]

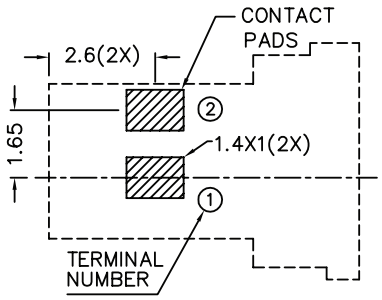
TOLERANCE:
X.X ±0.2mm
X.XX ±0.1mm
X.XXX ±0.05mm



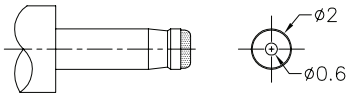
| | MATERIAL | PLATING |
|---|---|---|
| terminal 1 | copper alloy | gold flash |
| terminal 2 | copper alloy | gold flash |
| plastic | PA6T or equivalent | |



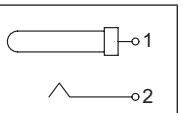




Recommended PCB Layout
Top View




MATING PLUG
Jack Insertion Depth: 5.5mm

| | |
|---|---|
| SCHEMATIC |  |
| Model | PJ-077 |
| Center Pin | Ø0.5 mm |



DISCONTINUED

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 01/07/2013 |
| 1.01 | increased voltage rating | 04/14/2016 |
| 1.02 | updated datasheet | 10/19/2017 |
| 1.03 | brand update | 10/18/2019 |
| 1.04 | logo, datasheet style update | 08/05/2022 |

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

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