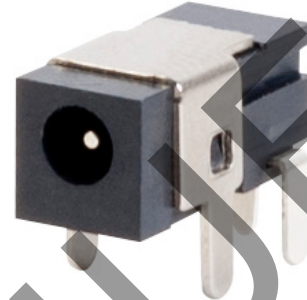


**MODEL:** PJ1-023 | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 0.65 mm center pin
- 1.0 A rating
- right angle orientation
- through hole
- shielded

**SPECIFICATIONS**

| parameter                       | conditions/description               | min | typ   | max | units  |
|---------------------------------|--------------------------------------|-----|-------|-----|--------|
| rated input voltage             |                                      |     | 24    |     | Vdc    |
| rated input current             |                                      |     |       | 1.0 | A      |
| contact resistance <sup>1</sup> | between terminal and mating plug     |     |       | 50  | mΩ     |
|                                 | between terminal in a closed circuit |     |       | 30  | mΩ     |
| insulation resistance           | at 500 Vdc                           | 100 |       |     | MΩ     |
| voltage withstand               | at 50/60Hz for 1 minute              |     |       | 500 | Vac    |
| insertion/withdrawal force      |                                      | 0.3 |       | 3   | kg     |
| terminal strength               | any direction for 10 seconds         |     |       | 500 | g      |
| operating temperature           |                                      | -25 |       | 85  | °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

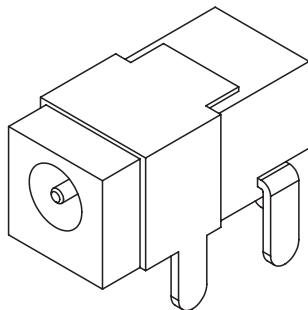
**SOLDERABILITY**

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

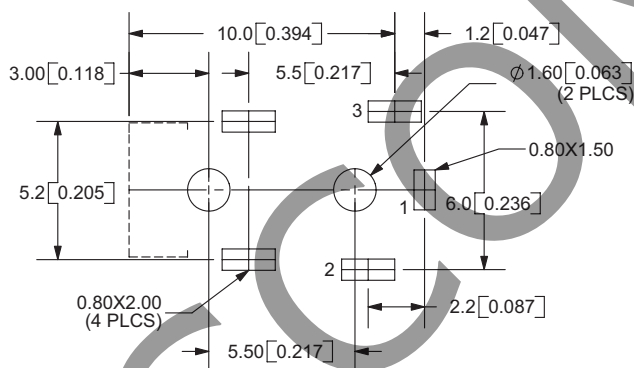
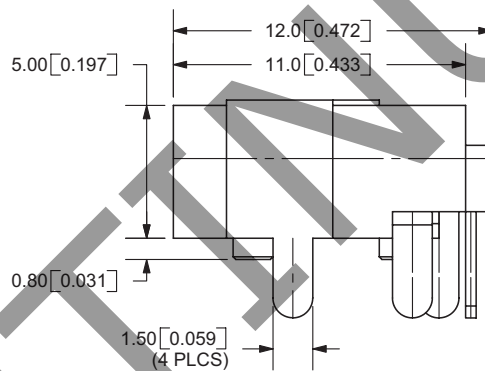
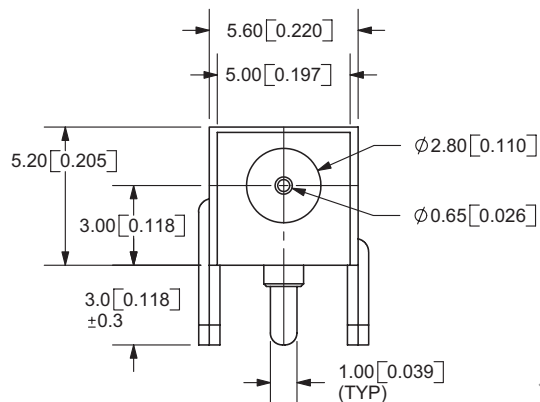
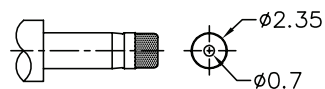
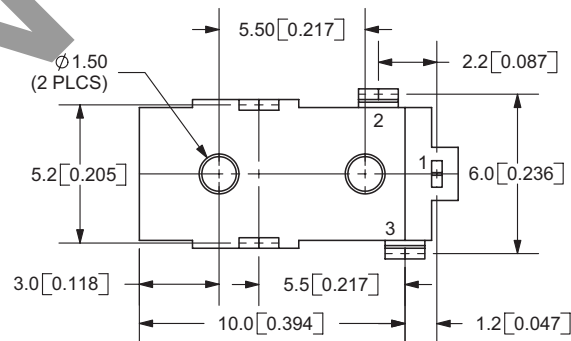
## MECHANICAL DRAWING

units: mm[inches]

tolerance:

X.X  $\pm 0.2$ mmX.XX  $\pm 0.1$ mmX.XXX  $\pm 0.05$ mm

|            | MATERIAL          | PLATING |
|------------|-------------------|---------|
| center pin | brass             | silver  |
| terminal 1 | brass             | silver  |
| terminal 2 | copper alloy      | silver  |
| terminal 3 | brass             | silver  |
| shield     | cold rolled steel | nickel  |
| plastic    | PA66              |         |

PCB LAYOUT  
TOP VIEWMATING PLUG  
Jack Insertion Depth: 8.0 mm

|            |          |
|------------|----------|
| SCHEMATIC  |          |
| Model      | PJ1-023  |
| Center Pin | Ø0.65 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          | 04/17/2006 |
| 1.01 | increased voltage rating | 04/28/2016 |
| 1.02 | brand update             | 10/21/2019 |

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

# CUI DEVICES

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