

**MODEL:** PJ-011B | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 2.5 mm center pin
- 5.0 A rating
- vertical orientation
- threaded panel mount

**SPECIFICATIONS**

| parameter                       | conditions/description | min | typ   | max | units  |
|---------------------------------|------------------------|-----|-------|-----|--------|
| rated input voltage             |                        |     | 24    |     | Vdc    |
| rated input current             |                        |     |       | 5.0 | A      |
| contact resistance <sup>1</sup> |                        |     |       | 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             | UL94HB                 |     |       |     |        |
| RoHS                            | yes                    |     |       |     |        |

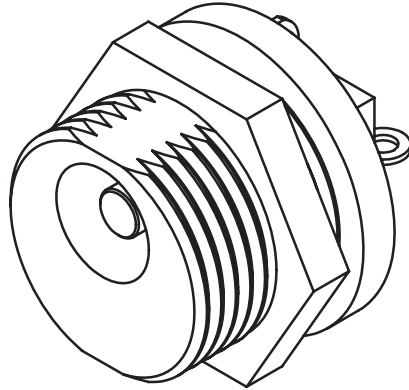
Note: 1. When measured at a current of less than 100 mA/1 kHz

**SOLDERABILITY**

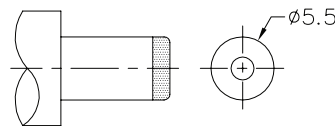
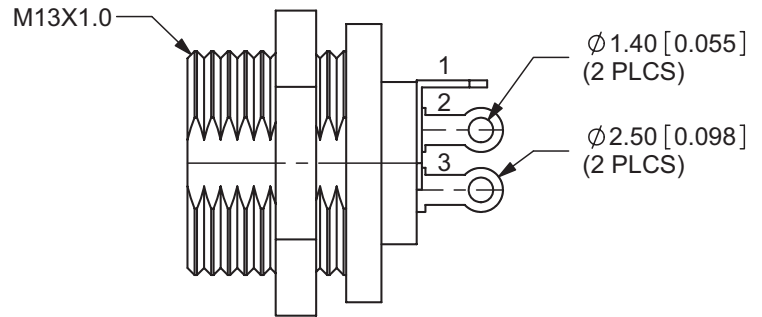
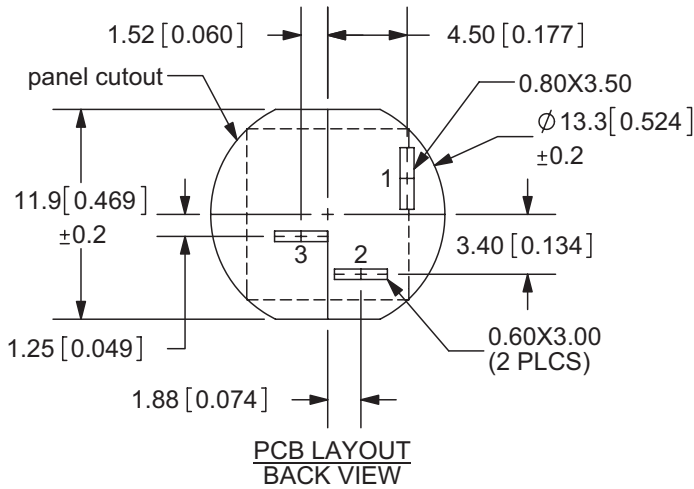
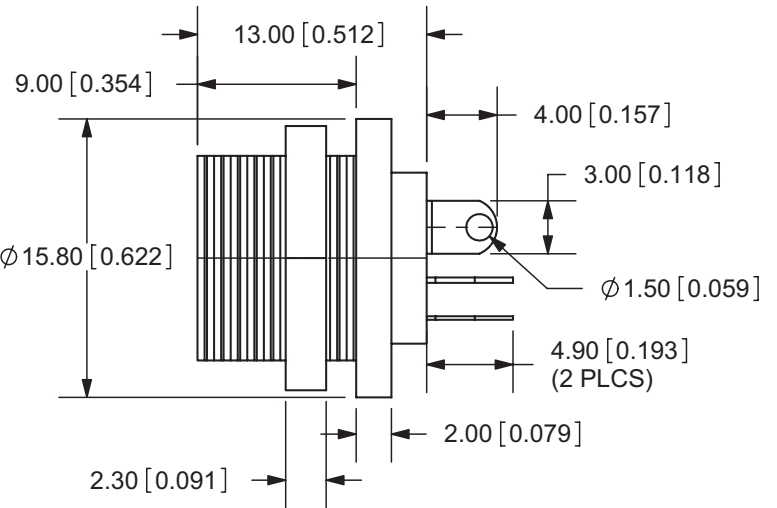
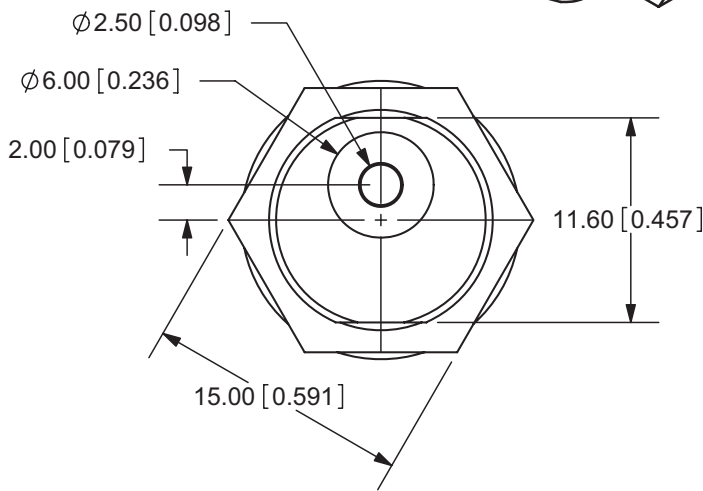
| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 3~5 seconds        |     |     | 360 | °C    |

## MECHANICAL DRAWING

units: mm[inches]  
 tolerance:  $\pm 0.3$  mm  
 unless otherwise noted



|            | MATERIAL        | PLATING |
|------------|-----------------|---------|
| center pin | copper          | nickel  |
| terminal 1 | brass           | silver  |
| terminal 2 | phosphor bronze | silver  |
| terminal 3 | brass           | silver  |
| nut        | brass           | nickel  |
| insulator  | bakelite        |         |
| plastic    | POM             |         |



MATING PLUG  
 Jack Insertion Depth: 9.0 mm

|            |                      |
|------------|----------------------|
| SCHEMATIC  |                      |
| Model      | PJ-011B              |
| Center Pin | $\varnothing 2.5$ mm |

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

## REVISION HISTORY

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| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 04/17/2006 |
| 1.01 | pin positions updated        | 05/01/2008 |
| 1.02 | model revised                | 05/12/2008 |
| 1.03 | hole cutout dimensions added | 06/27/2011 |
| 1.04 | applied new spec template    | 11/01/2013 |
| 1.05 | brand update                 | 06/02/2020 |

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

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