

**MODEL:** PJ-008B | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 2.5 mm center pin
- 2.5 A rating
- right angle orientation
- panel mount

**SPECIFICATIONS**

| parameter                       | conditions/description               | min | typ   | max | units  |
|---------------------------------|--------------------------------------|-----|-------|-----|--------|
| rated input voltage             |                                      |     | 24    |     | Vdc    |
| rated input current             |                                      |     |       | 2.5 | 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     |
| operating temperature           |                                      | -25 |       | 85  | °C     |
| life                            |                                      |     | 5,000 |     | cycles |
| flammability rating             | UL94V-0                              |     |       |     |        |
| RoHS                            | yes                                  |     |       |     |        |

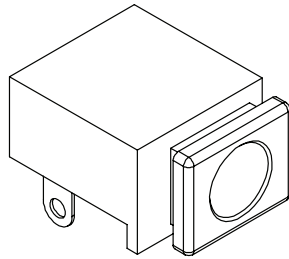
Note: 1. When measured at a current of less than 100 mA/1 kHz.  
2. All specifications measured at 10–35°C, humidity at 45–65%, under standard atmospheric pressure, unless otherwise noted.

**SOLDERABILITY**

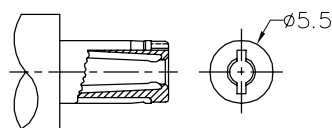
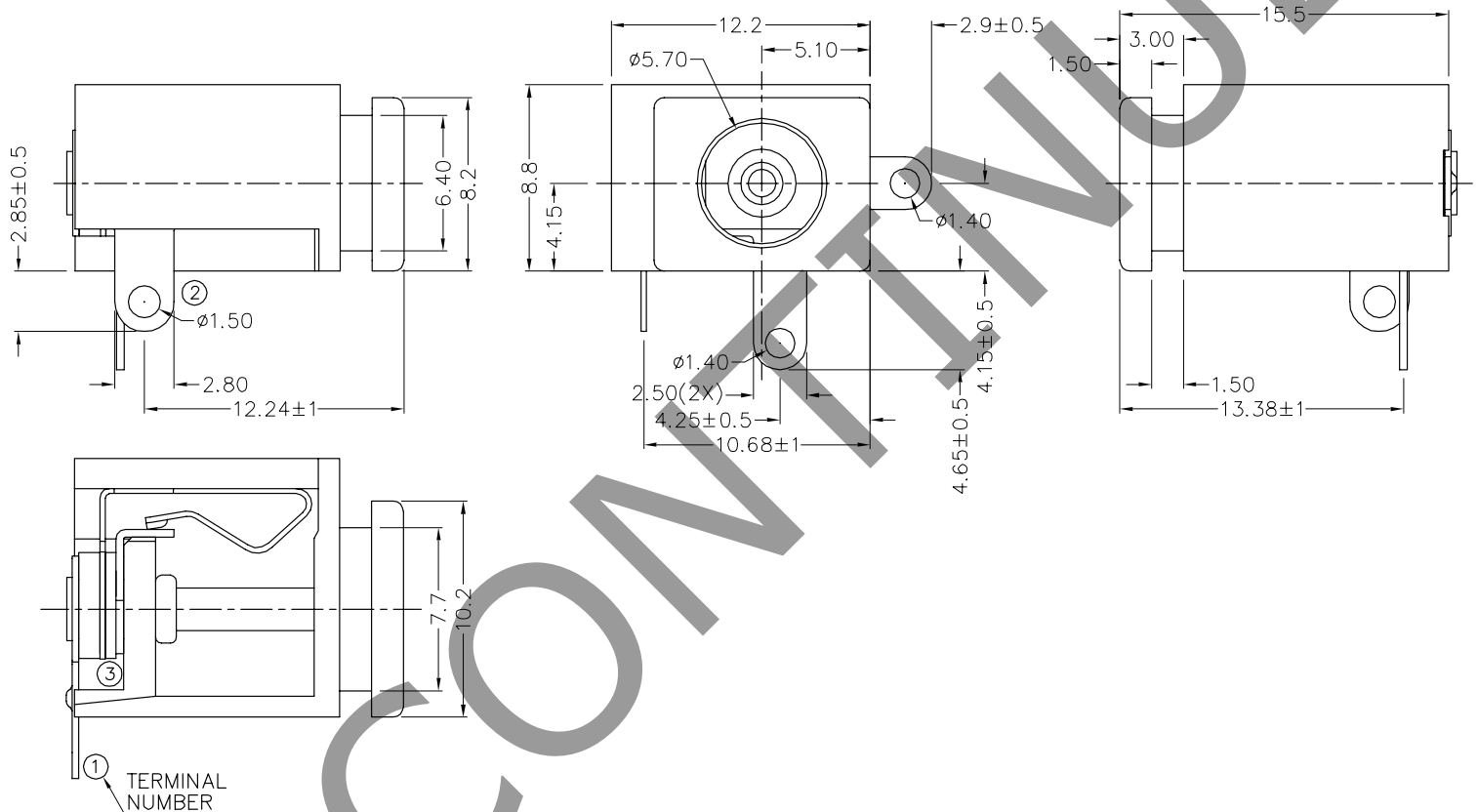
| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 3~4 seconds        | 340 | 350 | 360 | °C    |

## MECHANICAL DRAWING

units: mm  
tolerance:  
X.X  $\pm 0.2$  mm  
X.XX  $\pm 0.1$  mm  
X.XXX  $\pm 0.05$  mm



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



MATING PLUG  
Jack Insertion Depth: 9.0 mm

|            |                 |
|------------|-----------------|
| SCHEMATIC  | <br>1<br>3<br>2 |
| Model      | PJ-008B         |
| Center Pin | Ø2.5 mm         |

## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 04/17/2006 |
| 1.01 | applied new spec template    | 10/31/2013 |
| 1.02 | increased voltage rating     | 04/12/2016 |
| 1.03 | brand update                 | 10/31/2019 |
| 1.04 | updated housing mold         | 07/01/2020 |
| 1.05 | 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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