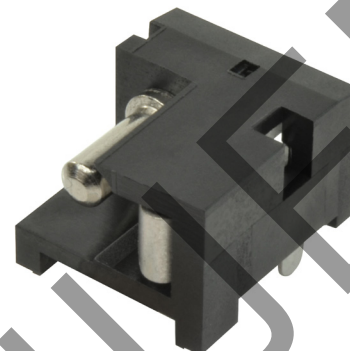


**MODEL:** PJ-003B | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 2.5 mm center pin
- 2.5 A rating
- right-angle orientation
- through hole
- open frame

**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<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                                                                      |     |       |          |          |

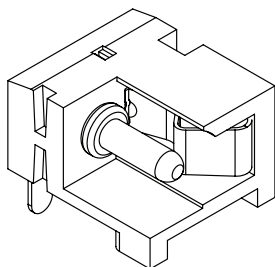
Note: 1. When measured at a current of less than 100 mA/1 kHz  
2. All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

**SOLDERABILITY**

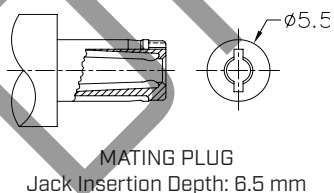
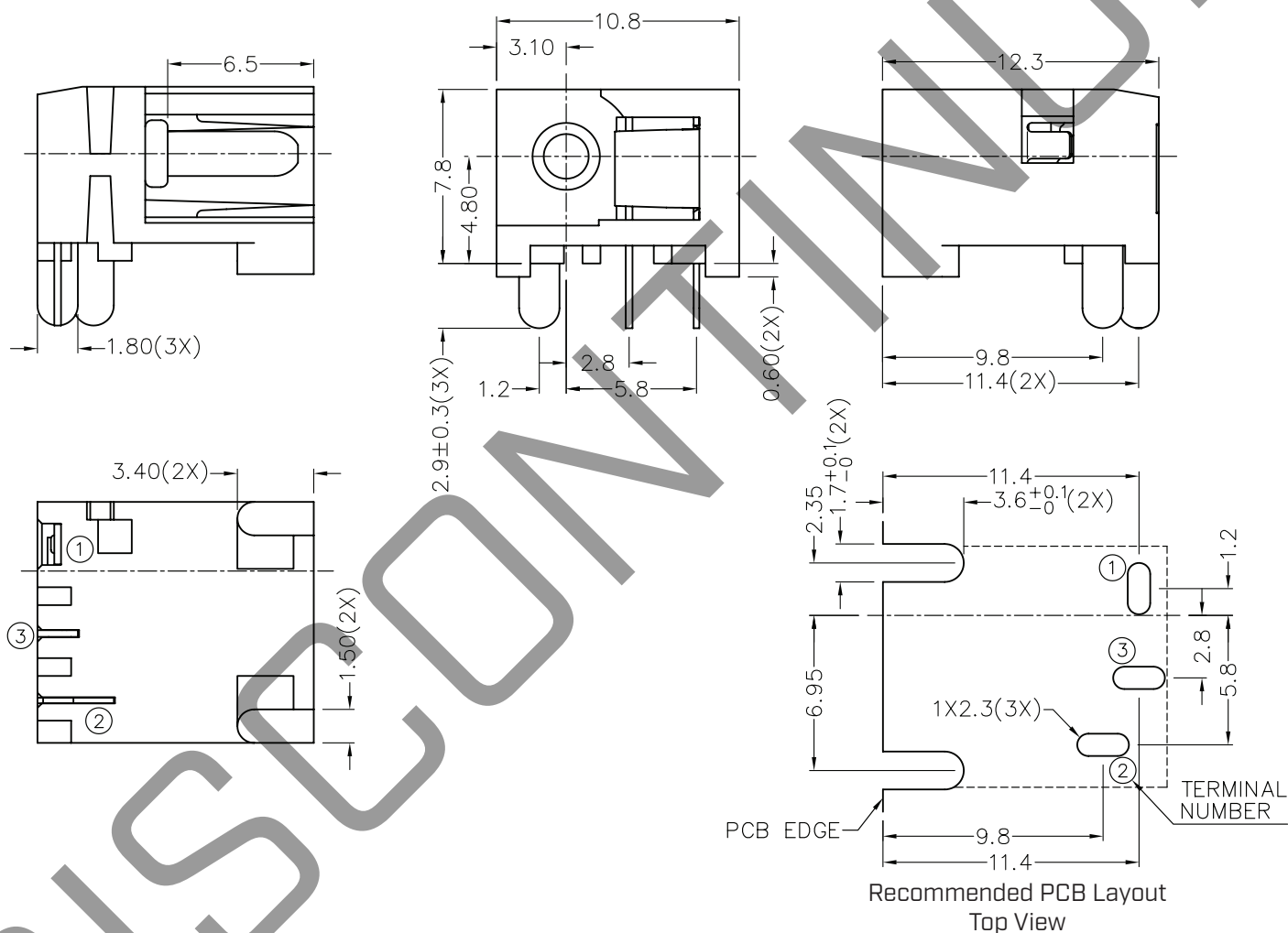
| parameter      | conditions/description                  | min | typ | max | units |
|----------------|-----------------------------------------|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 ±0.5 seconds | 255 | 260 | 265 | °C    |

## MECHANICAL DRAWING

units: mm  
tolerance:  
X.X  $\pm 0.2$  mm  
X.XX  $\pm 0.10$  mm  
X.XXX  $\pm 0.050$  mm  
PCB:  $\pm 0.05$  mm



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



|            |                      |
|------------|----------------------|
| SCHEMATIC  |                      |
| Model      | PJ-003B              |
| Center Pin | $\varnothing 2.5$ mm |

## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 11/09/2005 |
| 1.01 | updated model                | 04/13/2006 |
| 1.02 | applied new spec template    | 11/04/2013 |
| 1.03 | increased voltage rating     | 04/12/2016 |
| 1.04 | changed mold design          | 02/28/2018 |
| 1.05 | brand update                 | 10/31/2019 |
| 1.06 | logo, datasheet style update | 08/05/2022 |

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