

**MODEL:** PJ-006A | **DESCRIPTION:** DC POWER JACK

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**FEATURES**

- 2.0 mm center pin
- 5 A rating
- vertical orientation
- through hole

**SPECIFICATIONS**

| parameter                       | conditions/description               | min | typ   | max | units  |
|---------------------------------|--------------------------------------|-----|-------|-----|--------|
| rated input voltage             |                                      |     | 24    |     | Vdc    |
| rated input current             |                                      |     |       | 5   | A      |
| contact resistance <sup>1</sup> | between terminal in a closed circuit |     |       | 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             | 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.

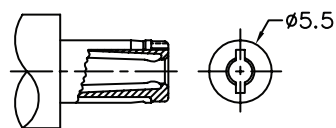
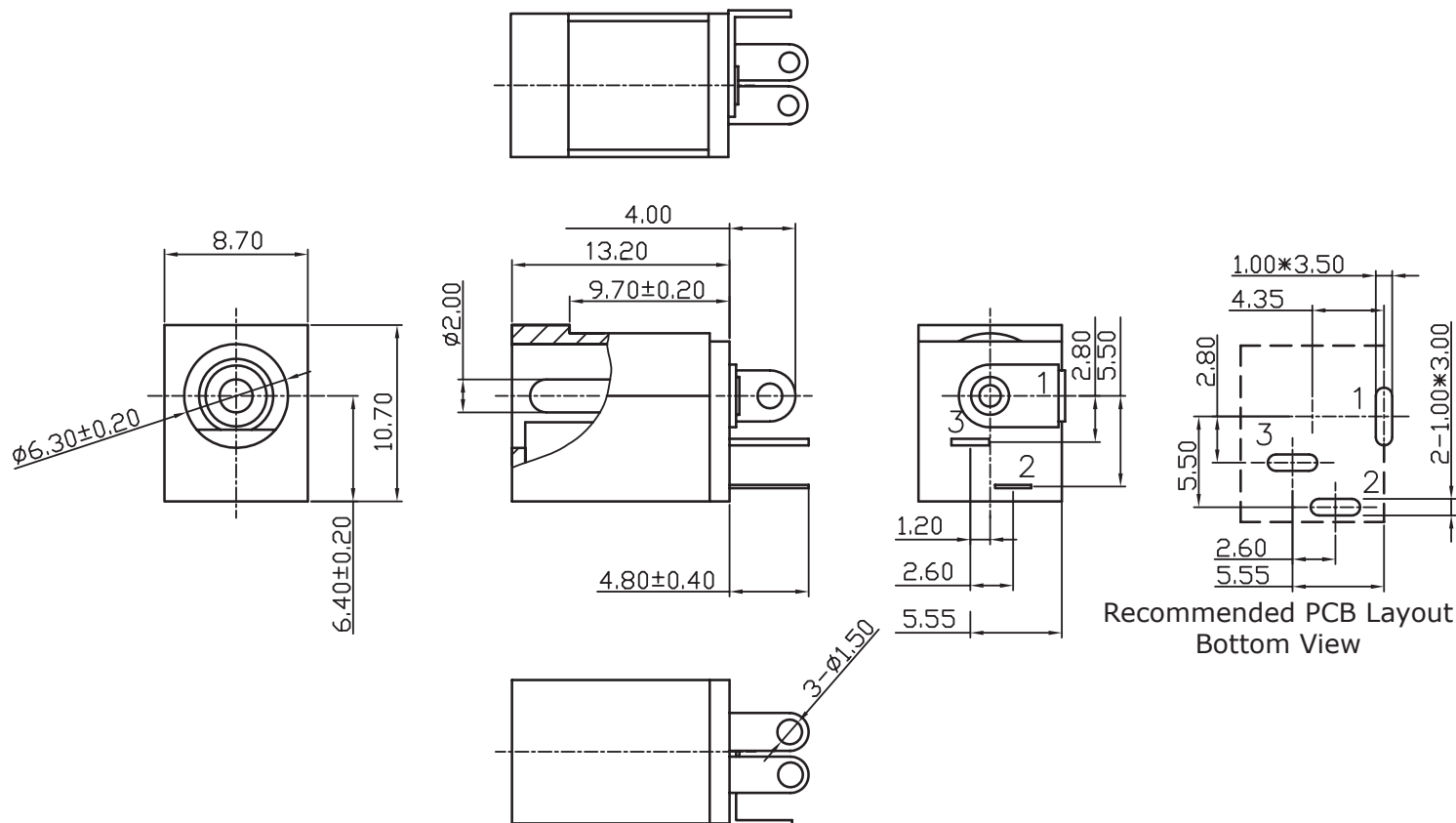
**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering |                        | 255 | 260 | 265 | °C    |

## MECHANICAL DRAWING

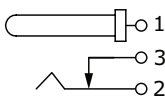
units: mm  
tolerance:  $\pm 0.3$  mm

|            | MATERIAL     | PLATING |
|------------|--------------|---------|
| center pin | copper       | nickel  |
| terminal 1 | brass        | silver  |
| terminal 2 | copper alloy | silver  |
| terminal 3 | brass        | silver  |
| plastic    | PBT          | black   |
| cover      | bakelite     | black   |



MATING PLUG

Jack Insertion Depth: 9.7 mm  $\pm 0.3$  mm

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| SCHEMATIC  |  |
| Model      | PJ-006A                                                                             |
| Center Pin | $\phi 2.0$ mm                                                                       |

## REVISION HISTORY

| rev. | description               | date       |
|------|---------------------------|------------|
| 1.0  | initial release           | 05/17/2006 |
| 1.01 | hand soldering note added | 04/23/2009 |
| 1.02 | updated datasheet         | 09/19/2018 |
| 1.03 | brand update              | 10/30/2019 |

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

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