

**MODEL:** PJ-088CH | **DESCRIPTION:** DC POWER JACK

**FEATURES**

- 1 mm center pin
- 3.5 A rating
- shielded
- through hole
- 3 conductor


**SPECIFICATIONS**

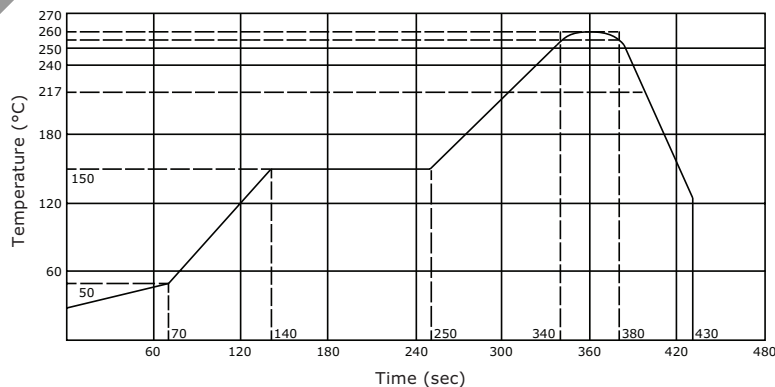
| parameter                       | conditions/description   | min | typ   | max      | units    |
|---------------------------------|--|-----|-------|----------|----------|
| rated input voltage             |  |     | 24    |          | Vdc      |
| rated input current             |  |     |       | 3.5      | 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 between adjacent contacts                                     | 100 |       |          | MΩ       |
| voltage withstand               | for 1 minute, 0.5 mA between adjacent contacts                           |     |       | 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**

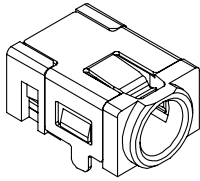
| parameter                      | conditions/description   | min | typ | max | units |
|--------------------------------|--|-----|-----|-----|-------|
| reel storage                   | at relative humidity <80%  |     |     | 40  | °C    |
| reflow soldering <sup>3</sup>  | see reflow profile   | 255 | 260 | 265 | °C    |
| drying conditions <sup>4</sup> | parts in reel: bake at 40°C ±5°C for 72 hours<br>parts removed from reel: bake at 40°C ±5°C for 10 hours |     |     |     |       |

Note: 3. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.  
4. When exceeding floor life by >72 hours.

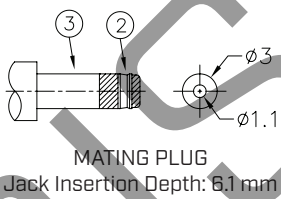
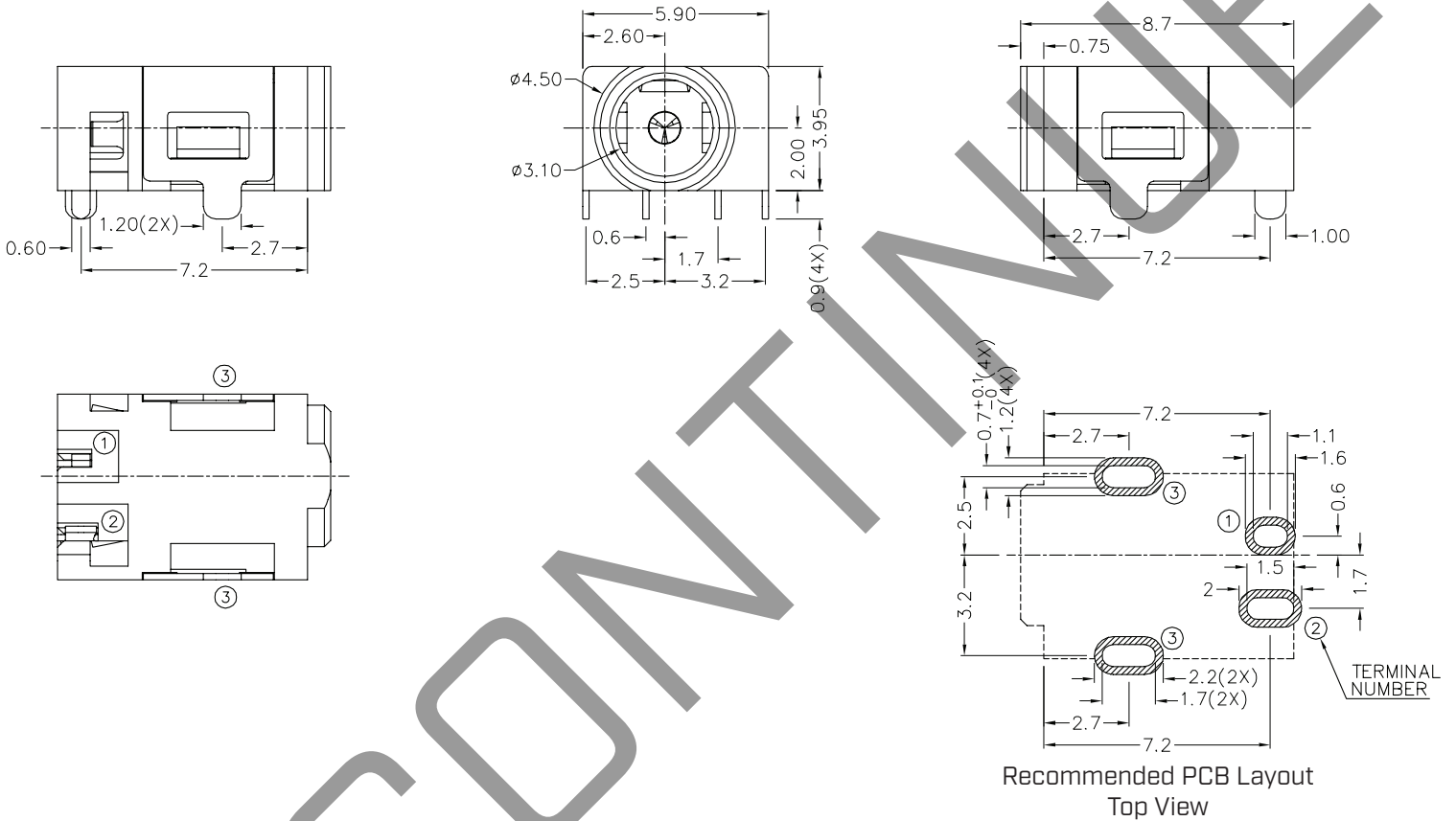


## MECHANICAL DRAWING

units: mm  
 tolerance:  
 X.X ±0.2 mm  
 X.XX ±0.10 mm  
 X.XXX ±0.050 mm  
 PCB: ±0.05 mm



|            | MATERIAL     | PLATING |
|------------|--------------|---------|
| center pin | brass        | silver  |
| terminal 1 | brass        | silver  |
| terminal 2 | copper alloy | silver  |
| terminal 3 | copper alloy | silver  |
| insulator  | PA10T        |         |



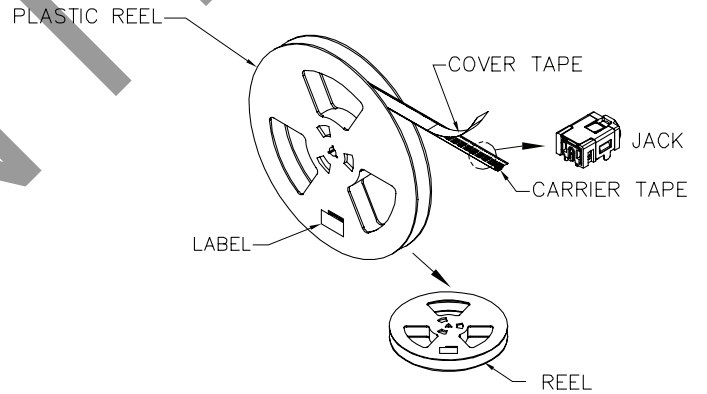
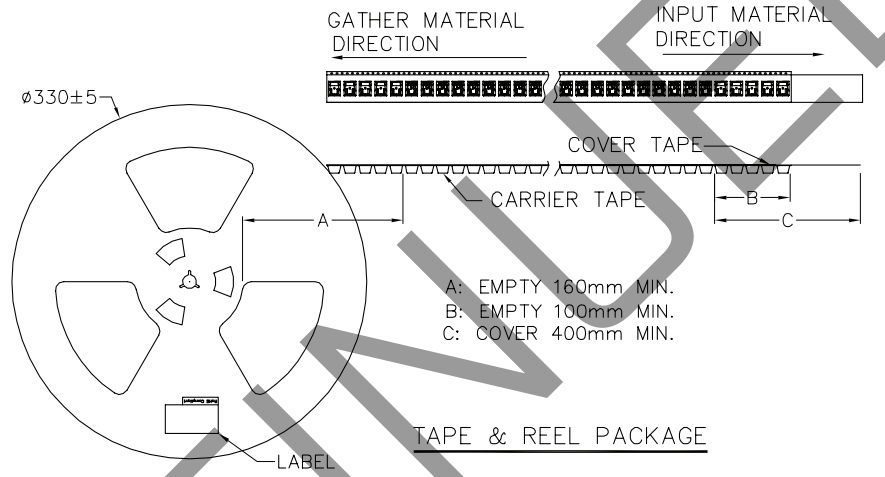
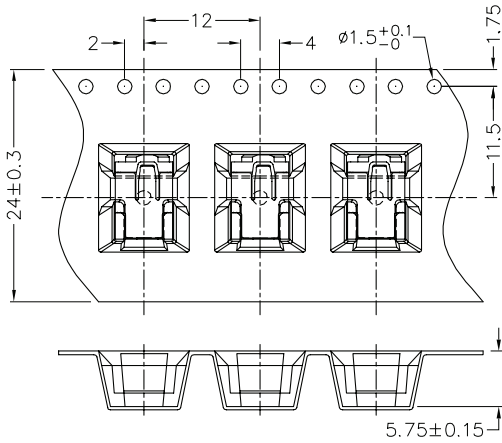
|            |          |
|------------|----------|
| SCHEMATIC  |          |
| Model      | PJ-088CH |
| Center Pin | ∅1 mm    |

## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 950 pcs per reel



## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 12/14/2018 |
| 1.01 | brand update                 | 10/23/2019 |
| 1.02 | 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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