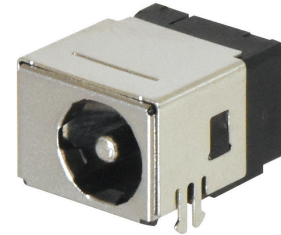




## MODEL: PJ-084H | DESCRIPTION: DC POWER JACK

### FEATURES

- 1.65 mm center pin
- 5 A rating
- shielded
- through hole
- 1 switch



### SPECIFICATIONS

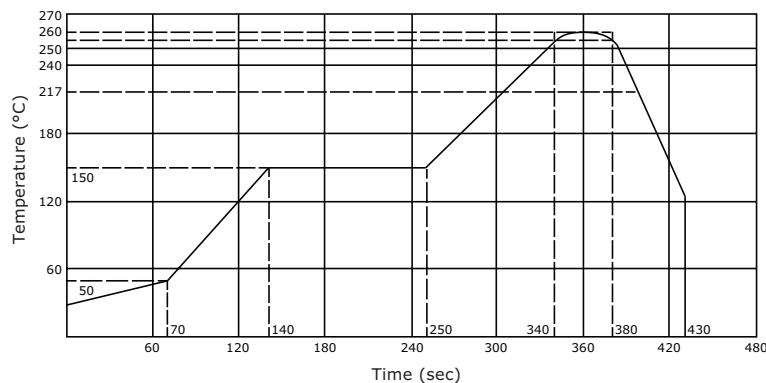
| parameter                       | conditions/description                         | min | typ   | max | units  |
|---------------------------------|------------------------------------------------|-----|-------|-----|--------|
| rated input voltage             |                                                |     | 24    |     | Vdc    |
| rated input current             |                                                |     |       | 5.0 | 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 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

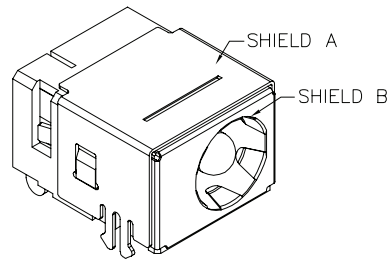
| parameter                      | conditions/description                                                                                   | min | typ | max | units |
|--------------------------------|----------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| 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.

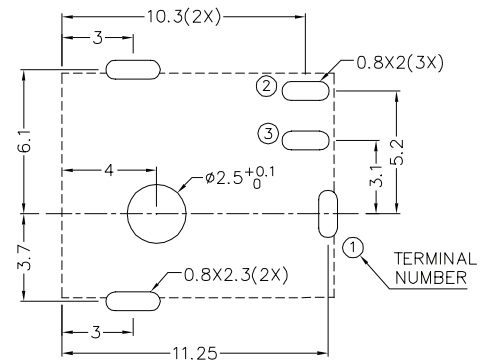
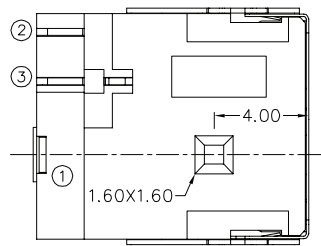
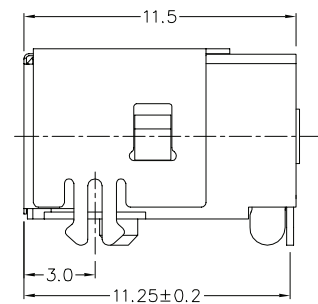
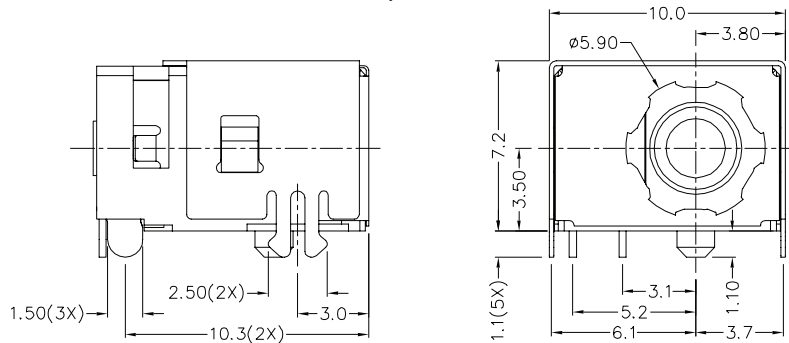


## MECHANICAL DRAWING

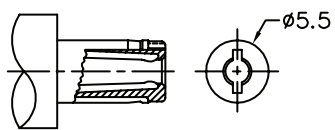
units: mm  
 tolerance:  
 X.X  $\pm 0.2$  mm  
 X.XX  $\pm 0.10$  mm  
 X.XXX  $\pm 0.050$  mm  
 PCB:  $\pm 0.05$  mm



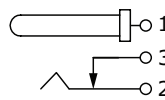
|            | MATERIAL        | PLATING |
|------------|-----------------|---------|
| center pin | copper          | nickel  |
| terminal 1 | brass           | silver  |
| terminal 2 | copper alloy    | silver  |
| terminal 3 | brass           | silver  |
| shield A   | brass           | nickel  |
| shield B   | stainless steel |         |
| insulator  | PA10T           |         |



Recommended PCB Layout  
Top View



MATING PLUG  
Jack Insertion Depth: 8.2 mm

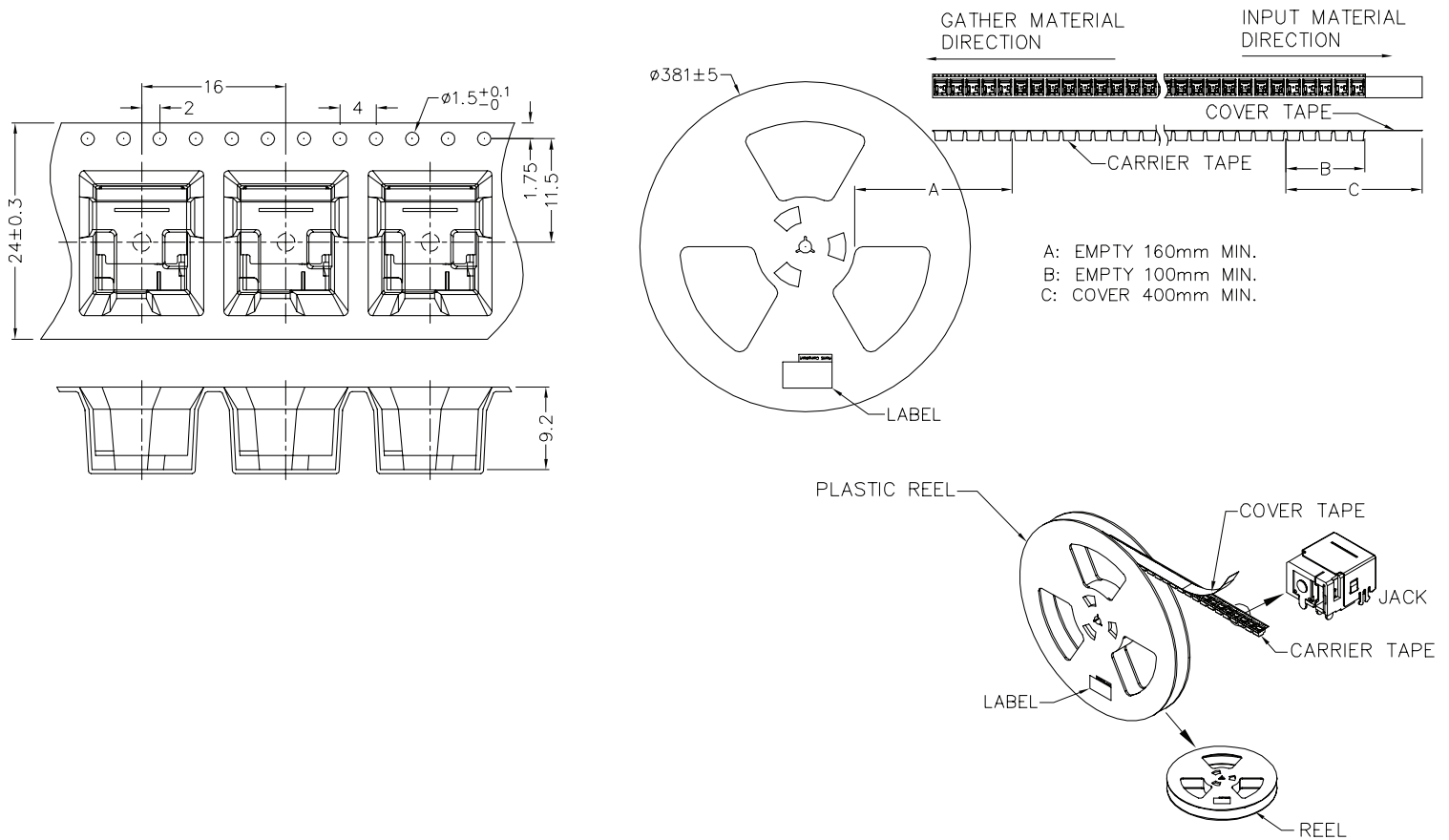
|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| SCHEMATIC  |  |
| Model      | PJ-084H                                                                             |
| Center Pin | $\phi 1.65$ mm                                                                      |

## PACKAGING

units: mm

Reel Size:  $\varnothing 381$  mm

Reel QTY: 600 pcs per reel



## REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 12/12/2018 |

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

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CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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