

**MODEL:** PJ-017CH | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 1.0 mm center pin
- 3.5 A rating
- right angle orientation
- through hole mount
- kinked pins

**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                                                               | 100 |       |          | MΩ       |
| voltage withstand               | at 50/60Hz for 1 minute                                                  |     |       | 500      | Vac      |
| insertion/withdrawal force      |                                                                          | 0.3 |       | 3        | kg       |
| terminal strength               | any direction for 10 seconds                                             |     |       | 500      | g        |
| 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

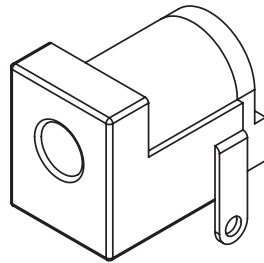
**SOLDERABILITY**

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

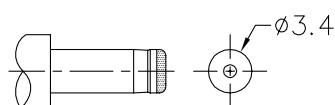
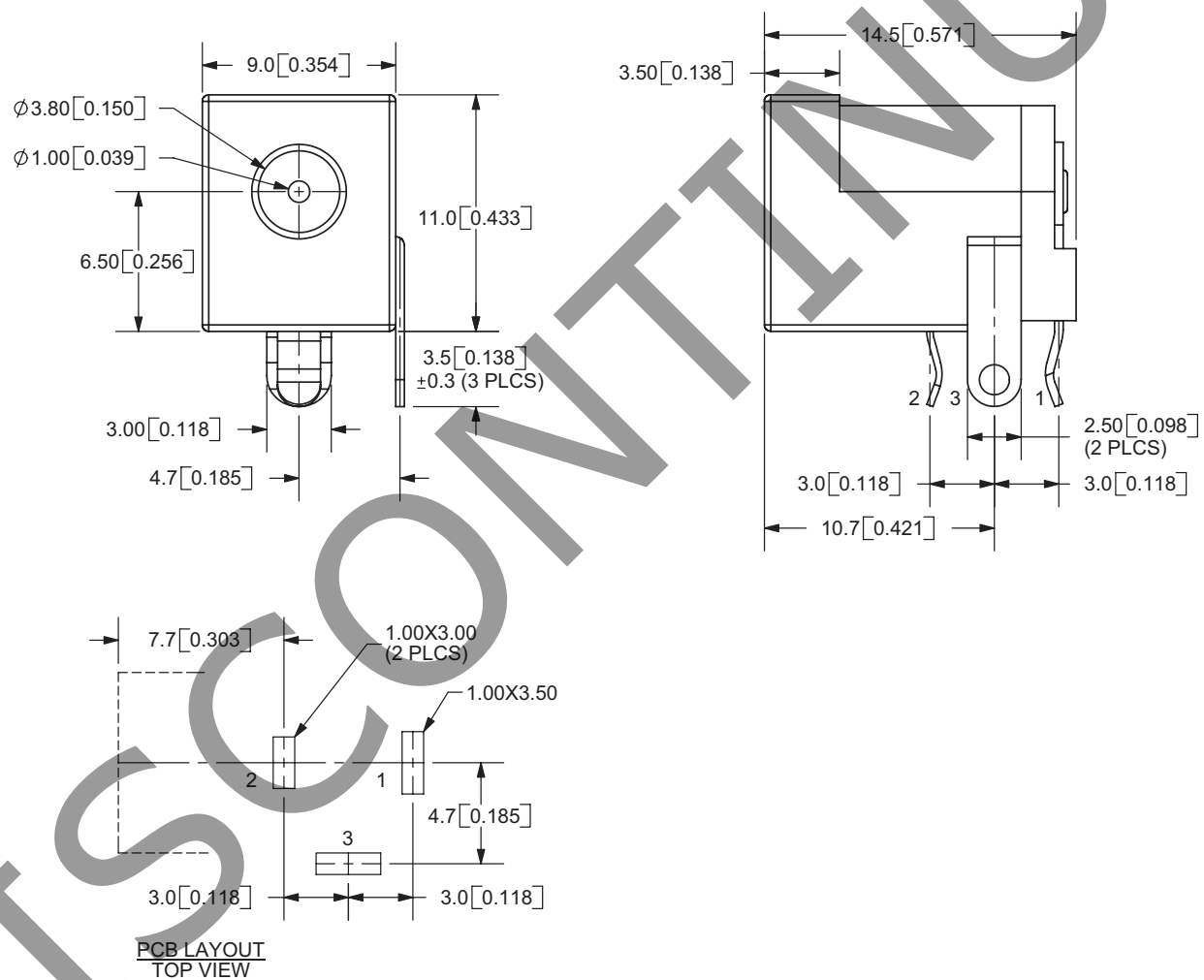
## MECHANICAL DRAWING

units: mm[inches]

tolerance:

X.X  $\pm 0.2$ mmX.XX  $\pm 0.1$ mmX.XXX  $\pm 0.05$ mm

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



MATING PLUG  
Jack Insertion Depth: 9.15 mm

|            |               |
|------------|---------------|
| SCHEMATIC  |               |
| Model      | PJ-017CH      |
| Center Pin | $\phi 1.0$ mm |

Note: 1. All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 07/30/2007 |
| 1.01 | applied new spec template    | 01/20/2016 |
| 1.02 | increased voltage rating     | 05/04/2016 |
| 1.03 | brand update                 | 10/23/2019 |
| 1.04 | 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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