

MODEL: PJ-005A | DESCRIPTION: DC POWER JACK

FEATURES

- 2.0 mm center pin
- mounting hardware includes nut and washer
- panel mount



SPECIFICATIONS

| parameter                  | conditions/description                | min | typ   | max | units  |
|----------------------------|---------------------------------------|-----|-------|-----|--------|
| rated input voltage        |                                       |     | 24    |     | Vdc    |
| rated input current        |                                       |     |       | 5   | A      |
| contact resistance         |                                       |     |       | 30  | 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     |
| operating temperature      |                                       | -40 |       | 70  | °C     |
| life                       |                                       |     | 5,000 |     | cycles |
| flammability rating        | plastic: UL94V-0<br>insulator: UL94HB |     |       |     |        |
| RoHS                       | yes                                   |     |       |     |        |

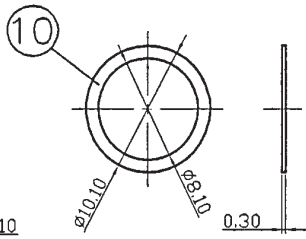
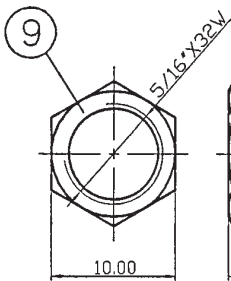
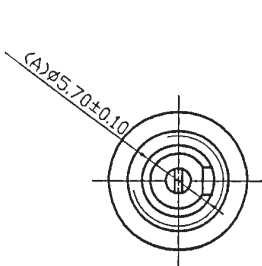
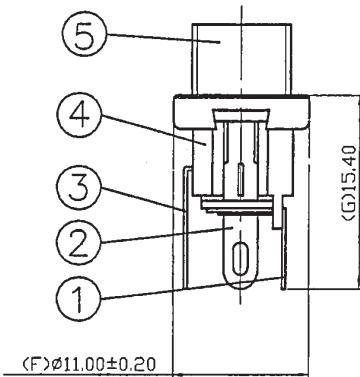
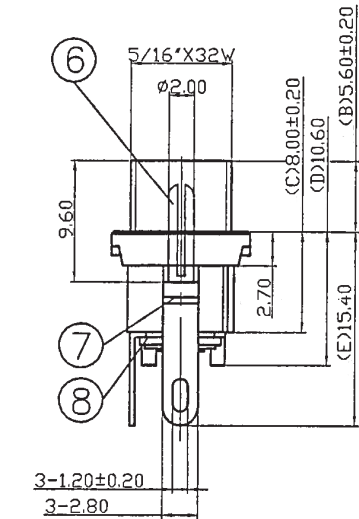
SOLDERABILITY

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 3±0.5 seconds      | 340 | 350 | 360 | °C    |

MECHANICAL DRAWING

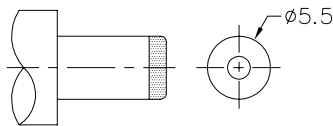
units: mm  
tolerance: ±0.3mm

| ITEM | DESCRIPTION    | MATERIAL        | PLATING/COLOR |
|------|----------------|-----------------|---------------|
| 1    | terminal pin   | brass           | silver        |
| 2    | sleeve spring  | phosphor bronze | silver        |
| 3    | break terminal | brass           | silver        |
| 4    | housing        | PBT (UL94V-0)   | black         |
| 5    | bushing        | brass           | nickel        |
| 6    | pin(Ø2.0)      | brass           | nickel        |
| 7    | insulator A    | vulcanize fiber | red           |
| 8    | insulator B    | vulcanize fiber | red           |
| 9    | nut            | brass           | nickel        |
| 10   | washer         | steel           | nickel        |



NUT

WASHER



MATING PLUG  
Jack Insertion Depth: 9.0 mm

|            |         |
|------------|---------|
| SCHEMATIC  |         |
| Model      | PJ-005A |
| Center Pin | Ø2.0 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                        | 01/30/2006 |
| 1.01 | applied new spec template              | 05/06/2011 |
| 1.02 | updated voltage and current rating     | 07/09/2014 |
| 1.03 | removed slot from threaded barrel      | 09/01/2017 |
| 1.04 | brand update                           | 10/30/2019 |
| 1.05 | updated hand soldering recommendations | 02/24/2022 |
| 1.06 | logo, datasheet style update           | 08/05/2022 |
| 1.07 | CUI Devices rebranded to Same Sky      | 09/12/2024 |

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



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