

**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          | for 1 minute           |     |       | 500 | Vac    |
| insertion/withdrawal force |                        | 0.3 |       | 3   | kg     |
| operating temperature      |                        | -40 |       | 70  | °C     |
| life                       |                        |     | 5,000 |     | cycles |
| flammability rating        | see material table     |     |       |     |        |
| RoHS                       | yes                    |     |       |     |        |

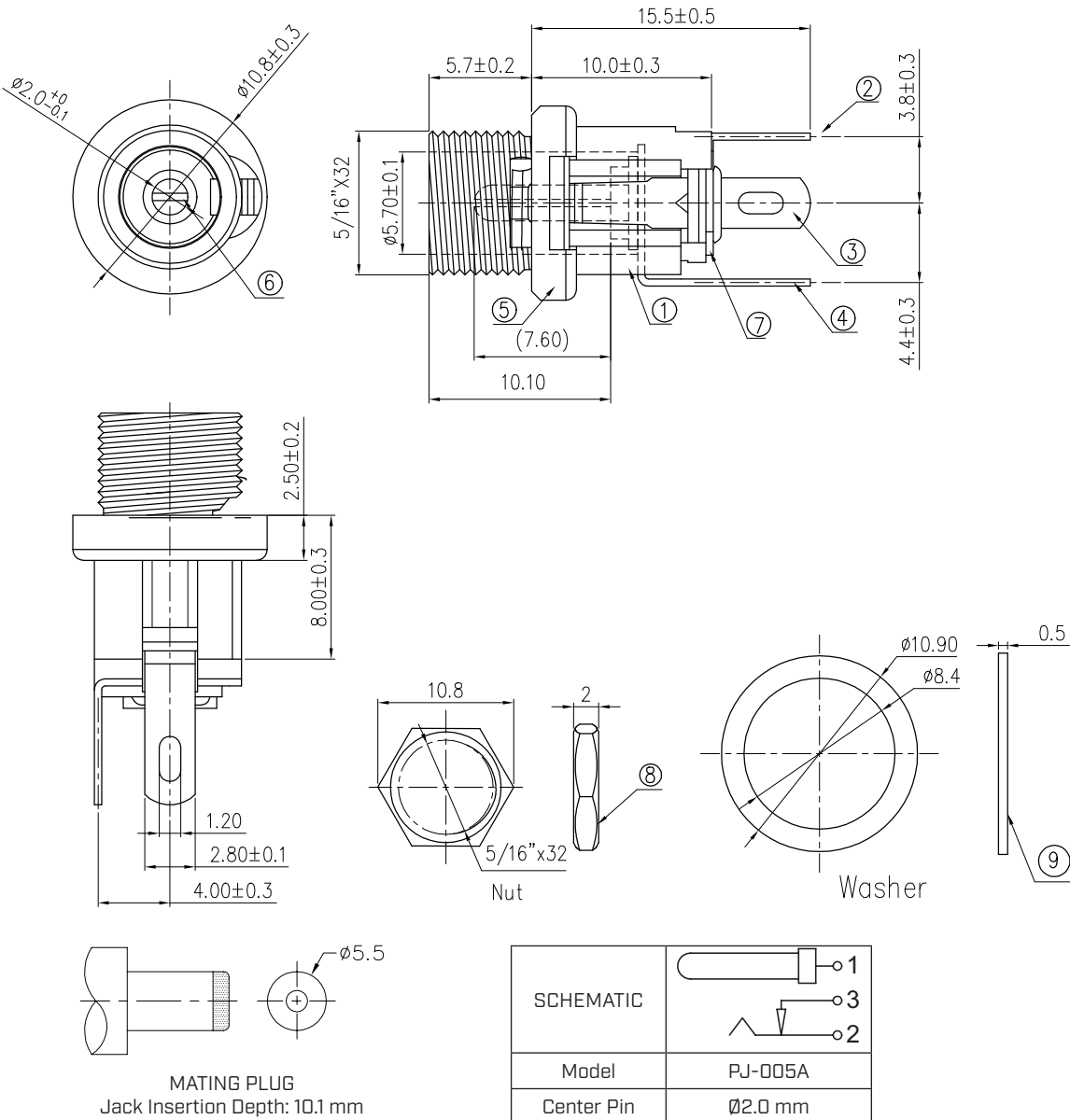
**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 3~5 seconds        | 285 |     | 305 | °C    |

MECHANICAL DRAWING

units: mm  
olerance:  
X.X  $\pm 0.50$  mm  
X.XX  $\pm 0.30$  mm  
X.XXX  $\pm 0.15$  mm  
unless otherwise specified

| ITEM | DESCRIPTION             | MATERIAL      | PLATING/COLOR |
|------|-------------------------|---------------|---------------|
| 1    | housing                 | PBT [UL94V-0] | black         |
| 2    | center pin terminal [1] | copper alloy  | silver        |
| 3    | tip spring [2]          | copper alloy  | silver        |
| 4    | shunt spring [3]        | copper alloy  | silver        |
| 5    | bushing                 | copper alloy  | nickel        |
| 6    | center pin              | copper alloy  | nickel        |
| 7    | washer                  | bakelite      | ---           |
| 8    | nut                     | copper alloy  | nickel        |
| 9    | washer                  | Q195          | nickel        |



|            |               |
|------------|---------------|
| SCHEMATIC  |               |
| Model      | PJ-005A       |
| Center Pin | $\phi 2.0$ mm |

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 |
| 1.08 | factory location change                | 04/29/2026 |
| 1.09 | updated drawing                        | 05/27/2026 |

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



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