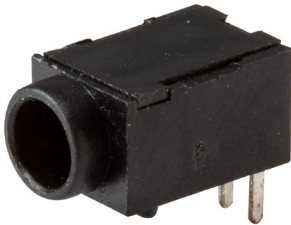


MODEL: PJ-040D | DESCRIPTION: DC POWER JACK

FEATURES

- 1.3 mm center pin
- 2.0 A rating
- right angle orientation
- through hole mount



SPECIFICATIONS

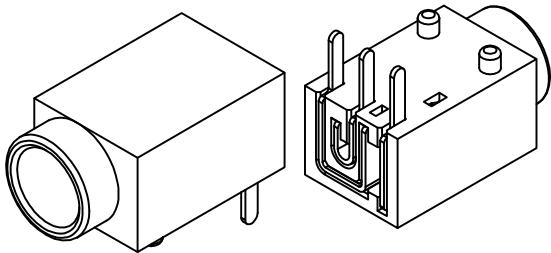
| parameter                  | conditions/description | min | typ   | max | units  |
|----------------------------|------------------------|-----|-------|-----|--------|
| rated input voltage        |                        |     | 24    |     | Vdc    |
| rated input current        |                        |     |       | 2.0 | A      |
| contact resistance         |                        |     |       | 50  | mΩ     |
| insulation resistance      | at 500 Vdc             | 100 |       |     | MΩ     |
| voltage withstand          | for 1 minute           |     |       | 500 | Vac    |
| insertion/withdrawal force |                        | 0.5 |       | 3   | kg     |
| operating temperature      |                        | -25 |       | 85  | °C     |
| life                       |                        |     | 5,000 |     | cycles |
| flammability rating        | UL94V-0                |     |       |     |        |
| RoHS                       | yes                    |     |       |     |        |

SOLDERABILITY

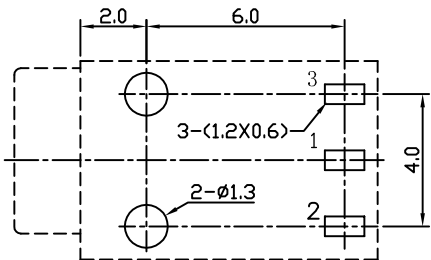
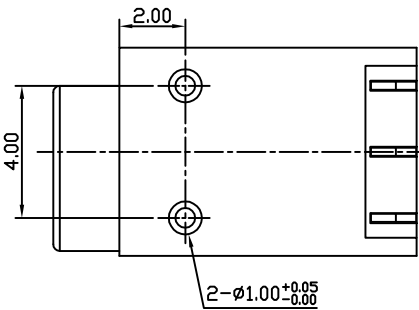
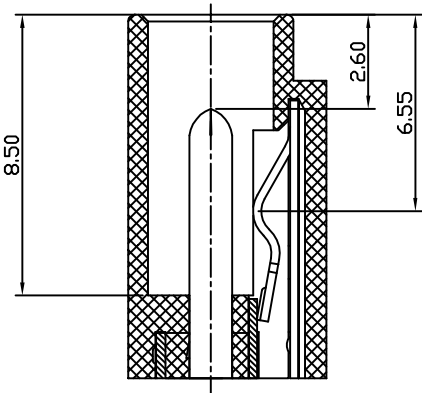
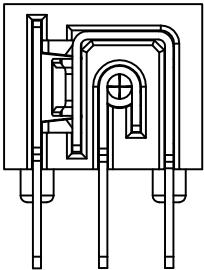
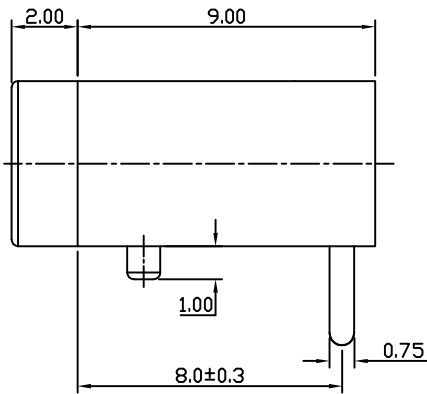
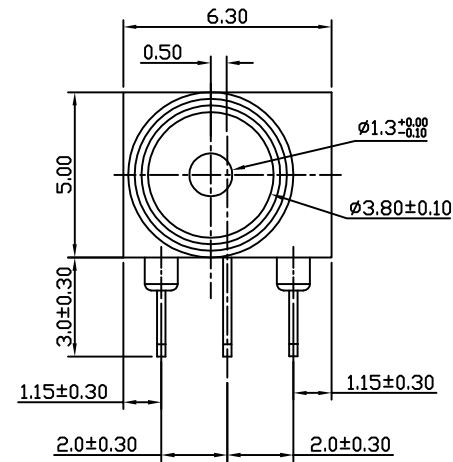
| parameter      | conditions/description                  | min | typ | max | units |
|----------------|-----------------------------------------|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 ±0.5 seconds | 255 | 260 | 265 | °C    |

MECHANICAL DRAWING

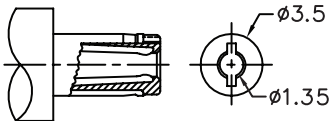
units: mm  
tolerance:  
X ±0.50 mm  
X.X ±0.30 mm  
X.XX ±0.20 mm  
X.XXX ±0.10 mm  
PCB: ±0.05 mm  
unless otherwise specified



| DESCRIPTION | MATERIAL        | PLATING/COLOR |
|-------------|-----------------|---------------|
| center pin  | brass           | silver        |
| terminal 1  | brass t=0.25    | silver        |
| terminal 2  | SUS301 t=0.25   | silver        |
| terminal 3  | brass t=0.25    | silver        |
| housing     | PA10T (UL94V-0) | black         |



Recommended PCB Layout  
Top View



MATING PLUG  
Jack Insertion Depth: 8.5 mm

|            |         |
|------------|---------|
| SCHEMATIC  |         |
| Model      | PJ-040D |
| Center Pin | Ø1.3 mm |

REVISION HISTORY

| rev. | description                                                                                   | date       |
|------|-----------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                               | 07/30/2007 |
| 1.01 | added pin dimension                                                                           | 06/11/2008 |
| 1.02 | applied new spec template                                                                     | 07/13/2015 |
| 1.03 | increased voltage rating                                                                      | 05/03/2016 |
| 1.04 | changed terminal plating to silver                                                            | 02/13/2019 |
| 1.05 | brand update                                                                                  | 10/23/2019 |
| 1.06 | logo, datasheet style update                                                                  | 08/05/2022 |
| 1.07 | product reengineered for improved manufacturability and production yield, see PCN for details | 12/15/2022 |
| 1.08 | updated tolerance                                                                             | 08/07/2023 |
| 1.09 | product reengineered for improved manufacturability and production yield, see PCN for details | 05/21/2024 |
| 1.10 | added dimensions to drawings                                                                  | 08/01/2024 |
| 1.11 | CUI Devices rebranded to Same Sky                                                             | 09/12/2024 |

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



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

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