



MODEL:

PJ-057BH

|

DESCRIPTION:

DC POWER JACK

FEATURES

- 2.5 mm center pin
- 5.0 A rating
- right-angle orientation
- through hole
- pick-n-place top
- flush face



SPECIFICATIONS

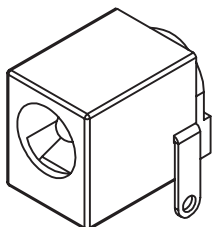
| parameter                  | conditions/description | min | typ   | max | units  |
|----------------------------|------------------------|-----|-------|-----|--------|
| rated input voltage        |                        |     | 24    |     | Vdc    |
| rated input current        |                        |     |       | 5.0 | 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      |                        | -25 |       | 85  | °C     |
| life                       |                        |     | 5,000 |     | cycles |
| flammability rating        | UL94V-0                |     |       |     |        |
| RoHS                       | yes                    |     |       |     |        |

SOLDERABILITY

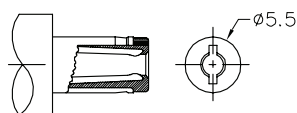
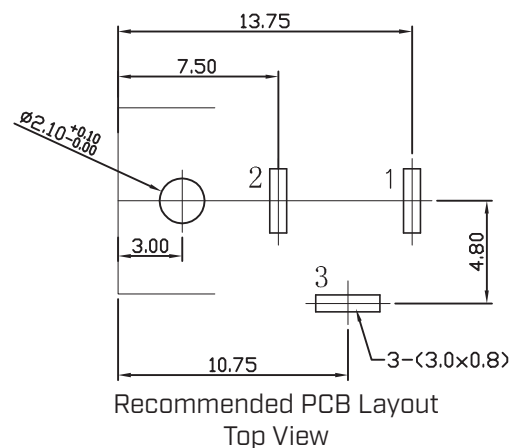
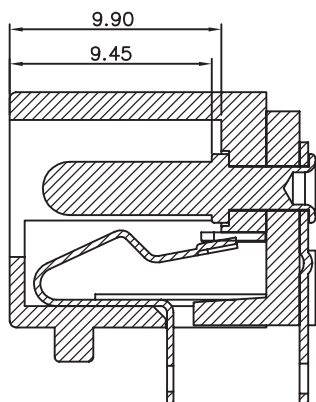
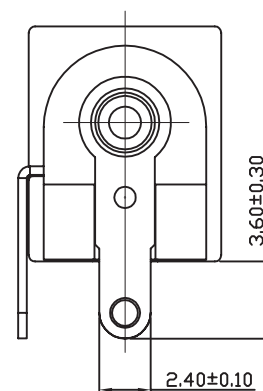
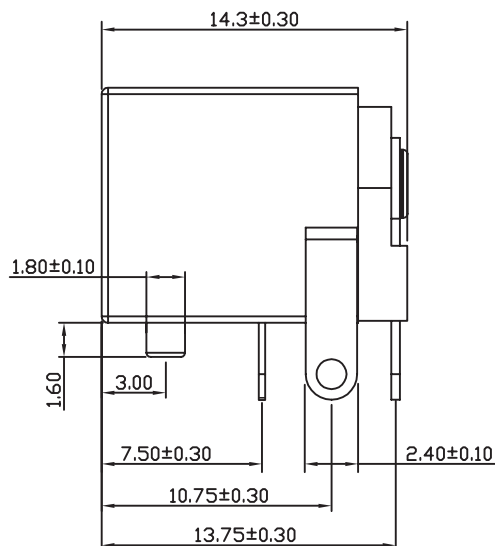
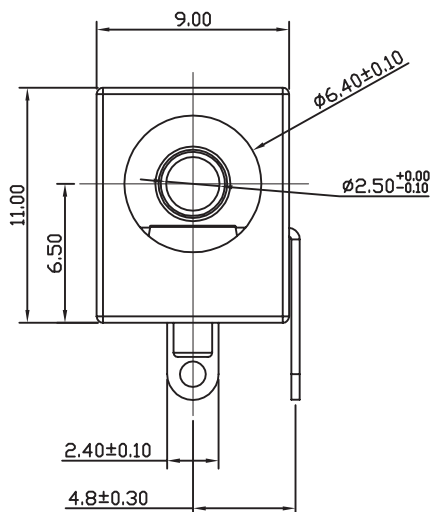
| parameter      | conditions/description                  | min | typ | max | units |
|----------------|-----------------------------------------|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 ±0.5 seconds | 255 | 260 | 265 | °C    |

## MECHANICAL DRAWING

units: mm  
tolerance:  
X.  $\pm 0.50$  mm  
X.X  $\pm 0.30$  mm  
X.XX  $\pm 0.20$  mm  
X.XXX  $\pm 0.10$  mm  
PCB:  $\pm 0.05$  mm



| DESCRIPTION | MATERIAL        | PLATING/COLOR |
|-------------|-----------------|---------------|
| center pin  | brass           | nickel        |
| terminal 1  | brass t=0.40    | silver        |
| terminal 2  | bronze t=0.30   | silver        |
| terminal 3  | brass t=0.40    | silver        |
| cover       | PA10T [UL94V-0] | black         |
| housing     | PA10T [UL94V-0] | black         |



MATING PLUG  
Jack Insertion Depth: 9.45 mm

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| Schematic  |  |
| Model      | PJ-057BH                                                                            |
| Center Pin | Ø2.5 mm                                                                             |

REVISION HISTORY

| rev. | description                                                                                   | date       |
|------|-----------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                               | 07/30/2007 |
| 1.01 | applied new spec template                                                                     | 10/21/2013 |
| 1.02 | increased voltage rating                                                                      | 04/14/2016 |
| 1.03 | brand update                                                                                  | 11/05/2019 |
| 1.04 | updated drawing                                                                               | 10/27/2020 |
| 1.05 | product reengineered for improved manufacturability and production yield, see PCN for details | 02/24/2023 |
| 1.06 | 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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