

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

- 1.3 mm center pin
- high current 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         |                        |     |       | 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                    |     |       |     |        |

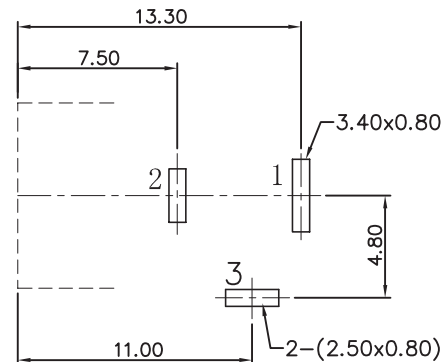
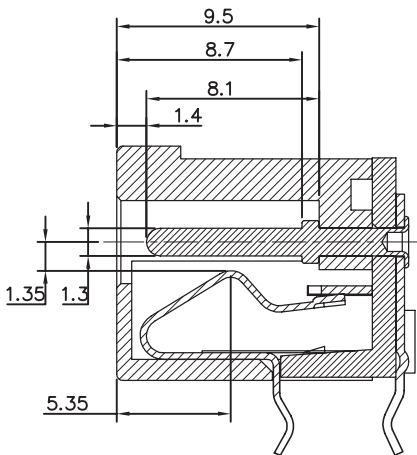
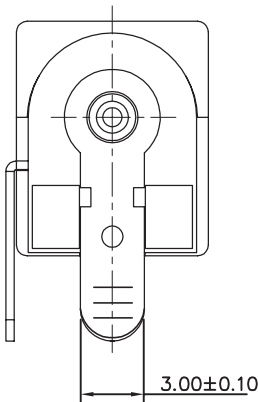
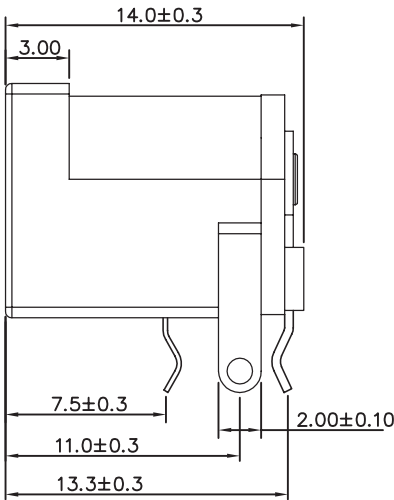
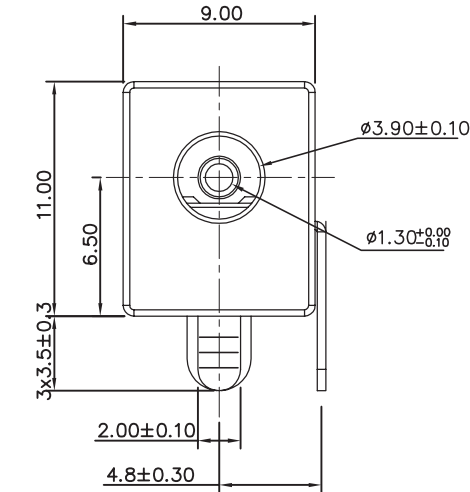
**SOLDERABILITY**

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

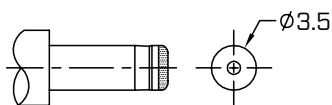
MECHANICAL DRAWING

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  
unless otherwise specified

| 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       | PA9T (UL94V-0) | black         |
| housing     | PA9T (UL94V-0) | black         |



Recommended PCB Layout  
Top View



MATING PLUG  
Jack Insertion Depth: 8.7 mm

|            |          |
|------------|----------|
| SCHEMATIC  |          |
| Model      | PJ-017DH |
| Center Pin | Ø1.3 mm  |

REVISION HISTORY

| rev. | description                                                                                   | date       |
|------|-----------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                               | 07/30/2007 |
| 1.01 | applied new spec template                                                                     | 06/29/2015 |
| 1.02 | increased voltage rating                                                                      | 05/04/2016 |
| 1.03 | brand update                                                                                  | 10/24/2019 |
| 1.04 | logo, datasheet style update                                                                  | 08/05/2022 |
| 1.05 | product reengineered for improved manufacturability and production yield, see PCN for details | 03/08/2023 |
| 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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