

**MODEL:** PJ-037A | **DESCRIPTION:** DC POWER JACK**FEATURES**

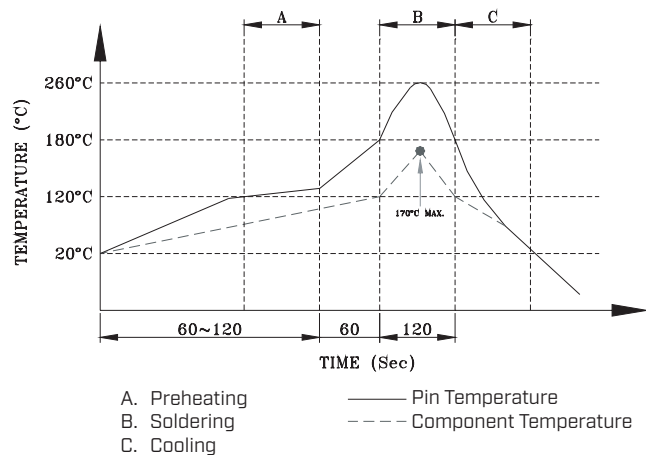
- 2.0 mm center pin
- 2.5 A rating
- right angle orientation
- through hole

**SPECIFICATIONS**

| parameter                  | conditions/description                                                   | min | typ   | max       | units    |
|----------------------------|--------------------------------------------------------------------------|-----|-------|-----------|----------|
| rated input voltage        |                                                                          |     | 24    |           | Vdc      |
| rated input current        |                                                                          |     |       | 2.5       | A        |
| contact resistance         | between terminal and mating plug<br>between terminal in a closed circuit |     |       | 100<br>30 | mΩ<br>mΩ |
| insulation resistance      | at 500 Vdc                                                               | 100 |       |           | MΩ       |
| voltage withstand          | for 1 minute                                                             |     |       | 500       | Vac      |
| insertion/withdrawal force |                                                                          | 0.3 |       | 2         | kg       |
| operating temperature      |                                                                          | -25 |       | 85        | °C       |
| life                       |                                                                          |     | 5,000 |           | cycles   |
| flammability rating        | UL94V-0                                                                  |     |       |           |          |
| RoHS                       | yes                                                                      |     |       |           |          |

**SOLDERABILITY**

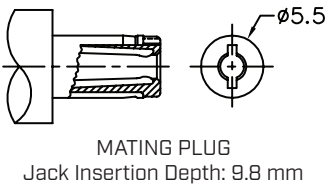
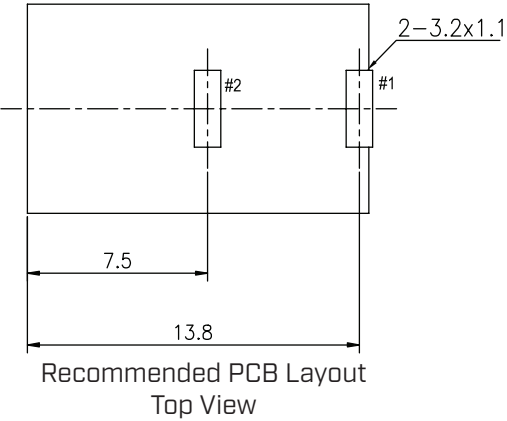
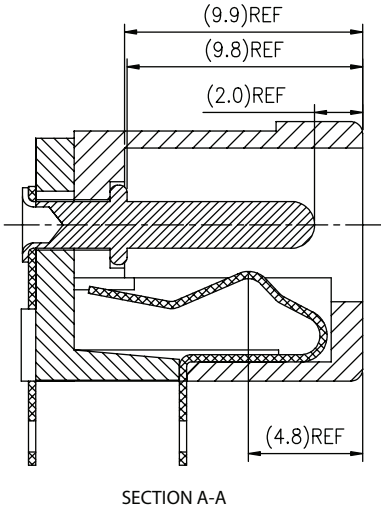
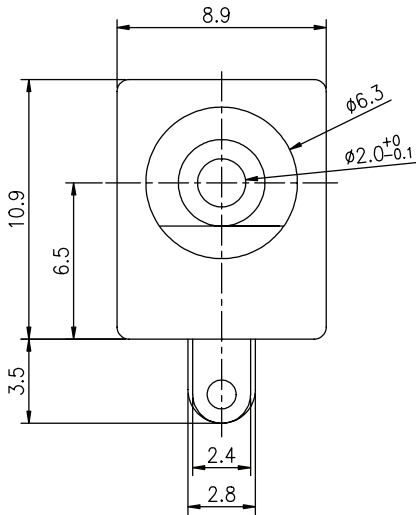
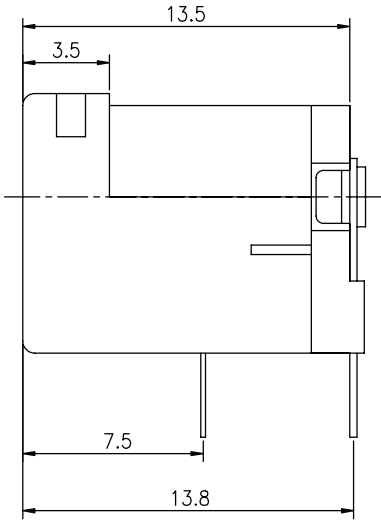
| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| wave soldering | for max 5 seconds      | 255 | 260 | 265 | °C    |

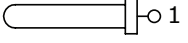



MECHANICAL DRAWING

units: mm  
tolerance:  
X.X ±0.20 mm  
X.XX ±0.15 mm  
X.XXX ±0.10 mm  
PCB: ±0.05 mm  
unless otherwise specified

| DESCRIPTION | MATERIAL                 | PLATING/COLOR |
|-------------|--------------------------|---------------|
| center pin  | copper alloy             | nickel        |
| terminal 1  | brass t=0.3 mm           | nickel-silver |
| terminal 2  | phosphor bronze t=0.3 mm | nickel-silver |
| housing     | PBT (UL94V-0)            | black         |
| cover       | PBT (UL94V-0)            | black         |



|            |                                                                                       |
|------------|---------------------------------------------------------------------------------------|
| SCHEMATIC  |  1 |
|            |  2 |
| Model      | PJ-037A                                                                               |
| Center Pin | Ø2.0 mm                                                                               |

REVISION HISTORY

| rev. | description                                                                                   | date       |
|------|-----------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                               | 07/30/2007 |
| 1.01 | cut away area modified                                                                        | 08/28/2008 |
| 1.02 | added dimensions                                                                              | 06/23/2011 |
| 1.03 | applied new spec template                                                                     | 01/17/2014 |
| 1.04 | increased voltage rating                                                                      | 04/08/2016 |
| 1.05 | brand update                                                                                  | 10/28/2019 |
| 1.06 | logo, datasheet style update                                                                  | 08/05/2022 |
| 1.07 | product reengineered for improved manufacturability and production yield, see PCN for details | 02/23/2023 |
| 1.08 | 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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