

**MODEL:** PD-30 | **DESCRIPTION:** POWER DIN JACK**FEATURES**

- 3 pin power DIN
- through hole
- suitable for high power applications

**SPECIFICATIONS**

| parameter             | conditions/description | min | typ   | max      | units  |
|-----------------------|------------------------|-----|-------|----------|--------|
| rated input voltage   |                        |     | 20    |          | Vdc    |
| rated input current   | pins 1, 2<br>pin 3     |     |       | 7.5<br>1 | A<br>A |
| contact resistance    | at 20 mA, 1 kHz        |     |       | 30       | mΩ     |
| insulation resistance | at 250 Vdc             | 50  |       |          | MΩ     |
| voltage withstand     | for 1 minute           |     |       | 250      | Vac    |
| insertion force       |                        |     |       | 6.5      | kg     |
| withdrawal force      |                        | 0.5 |       | 6.5      | kg     |
| operating temperature |                        | -40 |       | 85       | °C     |
| life                  |                        |     | 1,000 |          | cycles |
| flammability rating   | UL94V-0                |     |       |          |        |
| RoHS                  | yes                    |     |       |          |        |

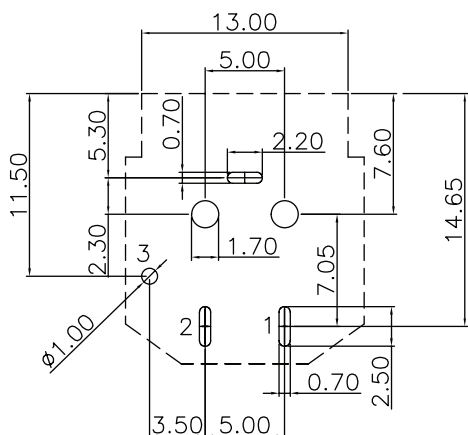
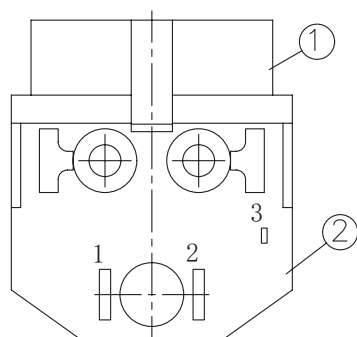
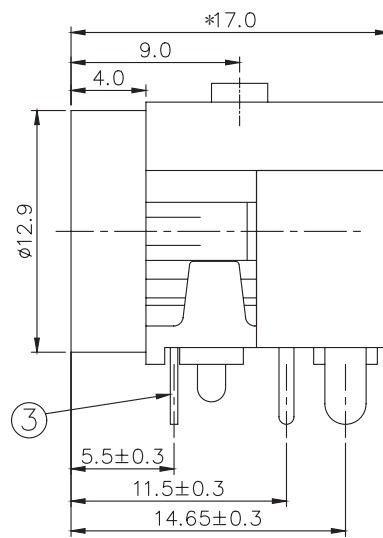
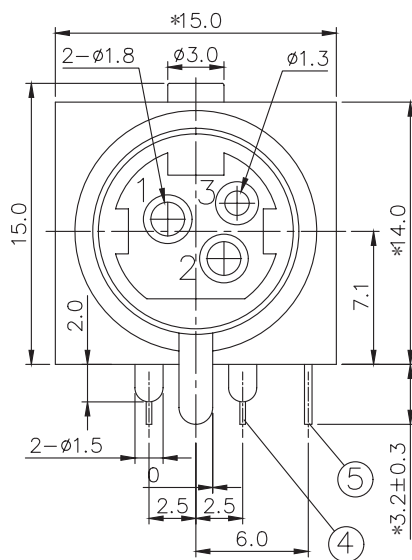
**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| wave soldering | for max 10 seconds     | 235 |     | 260 | °C    |

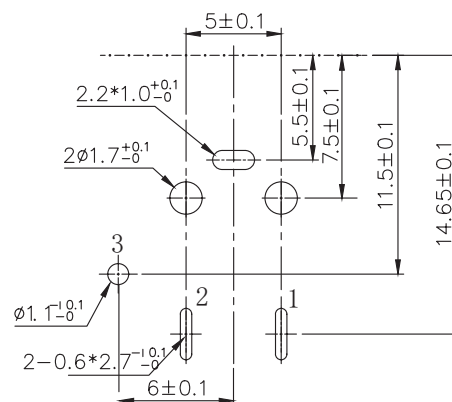
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.3$  mm  
unless otherwise noted

| ITEM | DESCRIPTION    | MATERIAL        | PLATING/COLOR |
|------|----------------|-----------------|---------------|
| 1    | body           | PBT [UL94V-0]   | black         |
| 2    | cover          | PBT [UL94V-0]   | black         |
| 3    | earth terminal | brass           | tin           |
| 4    | terminals 1, 2 | brass           | tin           |
| 5    | terminal 3     | phosphor bronze | tin           |



Recommended PCB Layout  
Top View  
(Date Codes prior to 03/03/2022)



Recommended PCB Layout  
Top View  
(Date Codes after 03/03/2022)

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 11/19/2008 |
| 1.01 | update to tolerance               | 09/08/2009 |
| 1.02 | updated housing, brand update     | 11/18/2019 |
| 1.03 | updated PCB footprint             | 08/11/2020 |
| 1.04 | modified design, changed factory  | 02/17/2022 |
| 1.05 | logo, datasheet style update      | 08/05/2022 |
| 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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