

MODEL: PR-2155 | DESCRIPTION: DC POWER RECEPTACLE

FEATURES

- designed for overmolding
- 7 A rating
- 2.1 mm center pin



SPECIFICATIONS

| parameter             | conditions/description           | min | typ   | max | units  |
|-----------------------|----------------------------------|-----|-------|-----|--------|
| rated input voltage   |                                  |     | 20    |     | Vdc    |
| rated input current   |                                  |     |       | 7   | A      |
| contact resistance    | between plug and receptacle      |     |       | 30  | mΩ     |
| insulation resistance | at 500 Vdc                       | 100 |       |     | MΩ     |
| voltage withstand     | for 1 minute                     |     |       | 500 | Vac    |
| insertion force       | when mating with a standard plug | 0.3 |       | 3   | kgf    |
| withdrawal force      | when mating with a standard plug | 0.3 |       | 3   | kgf    |
| operating temperature |                                  | -25 |       | 70  | °C     |
| operating humidity    |                                  |     |       | 85  | %      |
| life                  |                                  |     | 5,000 |     | cycles |
| flammability rating   | see material table               |     |       |     |        |
| RoHS                  | yes                              |     |       |     |        |

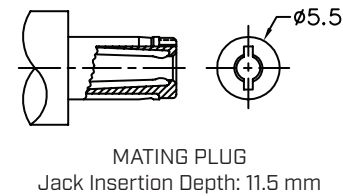
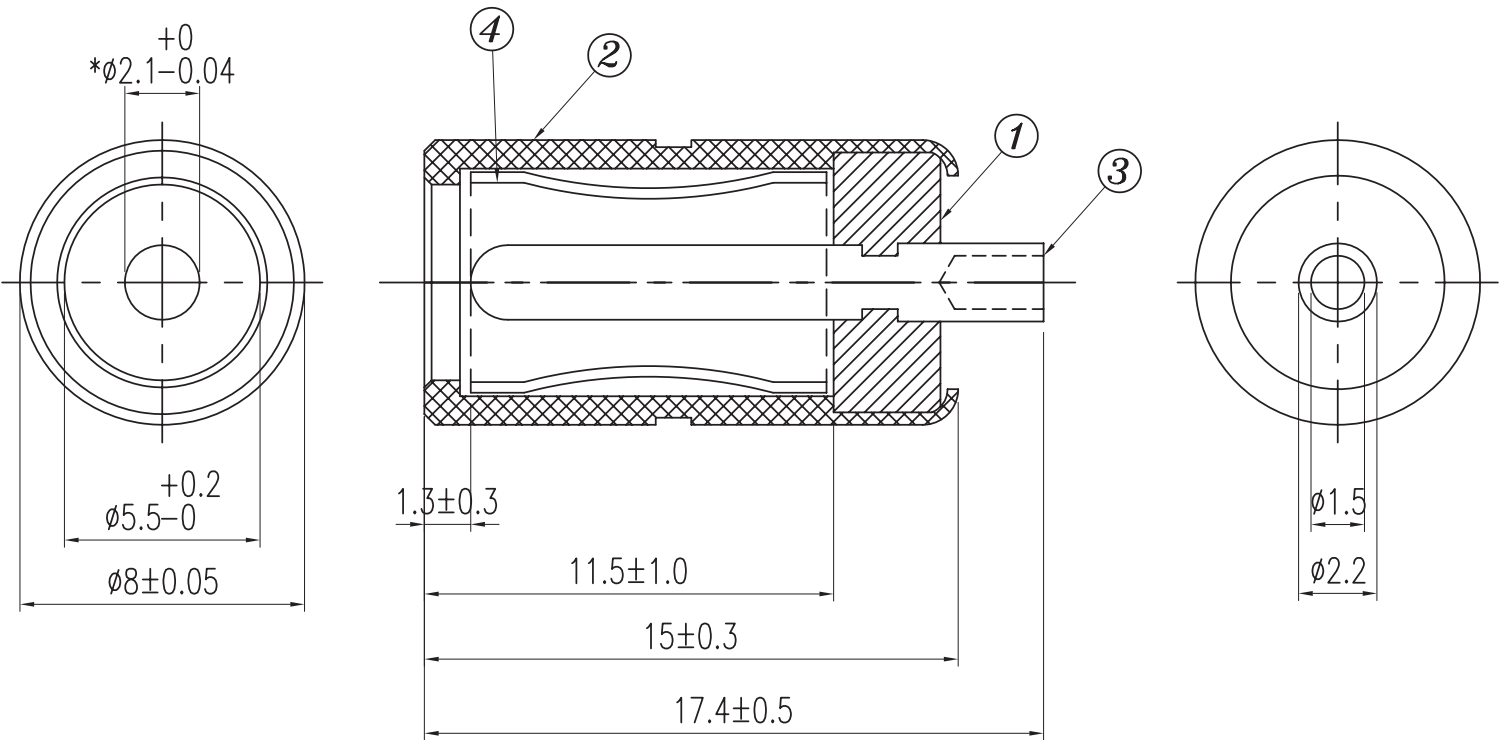
SOLDERABILITY

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 1 second   | 380 | 400 | 420 | °C    |

MECHANICAL DRAWING

units: mm  
tolerance:  
X≤1.0: ±0.1 mm  
1.0<X≤6.0: ±0.2 mm  
6.0<X≤18.0: ±0.3 mm  
18.0<X≤40.0: ±0.4 mm  
X>40.0: ±0.5 mm  
unless otherwise noted

| ITEM | DESCRIPTION | MATERIAL        | PLATING/COLOR |
|------|-------------|-----------------|---------------|
| 1    | insulator   | PBT [UL94HB]    | black         |
| 2    | body        | brass           | nickel        |
| 3    | center pin  | brass           | nickel        |
| 4    | terminal 2  | phosphor bronze | nickel        |



|            |               |
|------------|---------------|
| Schematic  |               |
| Model No.  | PR-2155       |
| Center Pin | $\phi 2.1$ mm |

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 06/18/2018 |
| 1.01 | brand update                      | 11/08/2019 |
| 1.02 | logo, datasheet style update      | 08/05/2022 |
| 1.03 | 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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