

MODEL: PR-002B | DESCRIPTION: DC POWER RECEPTACLE

FEATURES

- 2.35 mm center pin
- 4.0 A rating
- cable mount



SPECIFICATIONS

| parameter                  | conditions/description           | min | typ   | max | units  |
|----------------------------|----------------------------------|-----|-------|-----|--------|
| rated input voltage        |                                  |     | 24    |     | Vdc    |
| rated input current        |                                  |     |       | 4.0 | A      |
| contact resistance         | between terminal and mating plug |     |       | 30  | mΩ     |
| insulation resistance      | at 500 Vdc                       | 100 |       |     | MΩ     |
| voltage withstand          | for 1 minute                     |     |       | 500 | Vac    |
| insertion/withdrawal force |                                  | 0.4 |       | 2   | kg     |
| operating temperature      |                                  | -10 |       | 50  | °C     |
| life                       |                                  |     | 5,000 |     | cycles |
| flammability rating        | UL94V-2 for body only            |     |       |     |        |
| RoHS                       | yes                              |     |       |     |        |

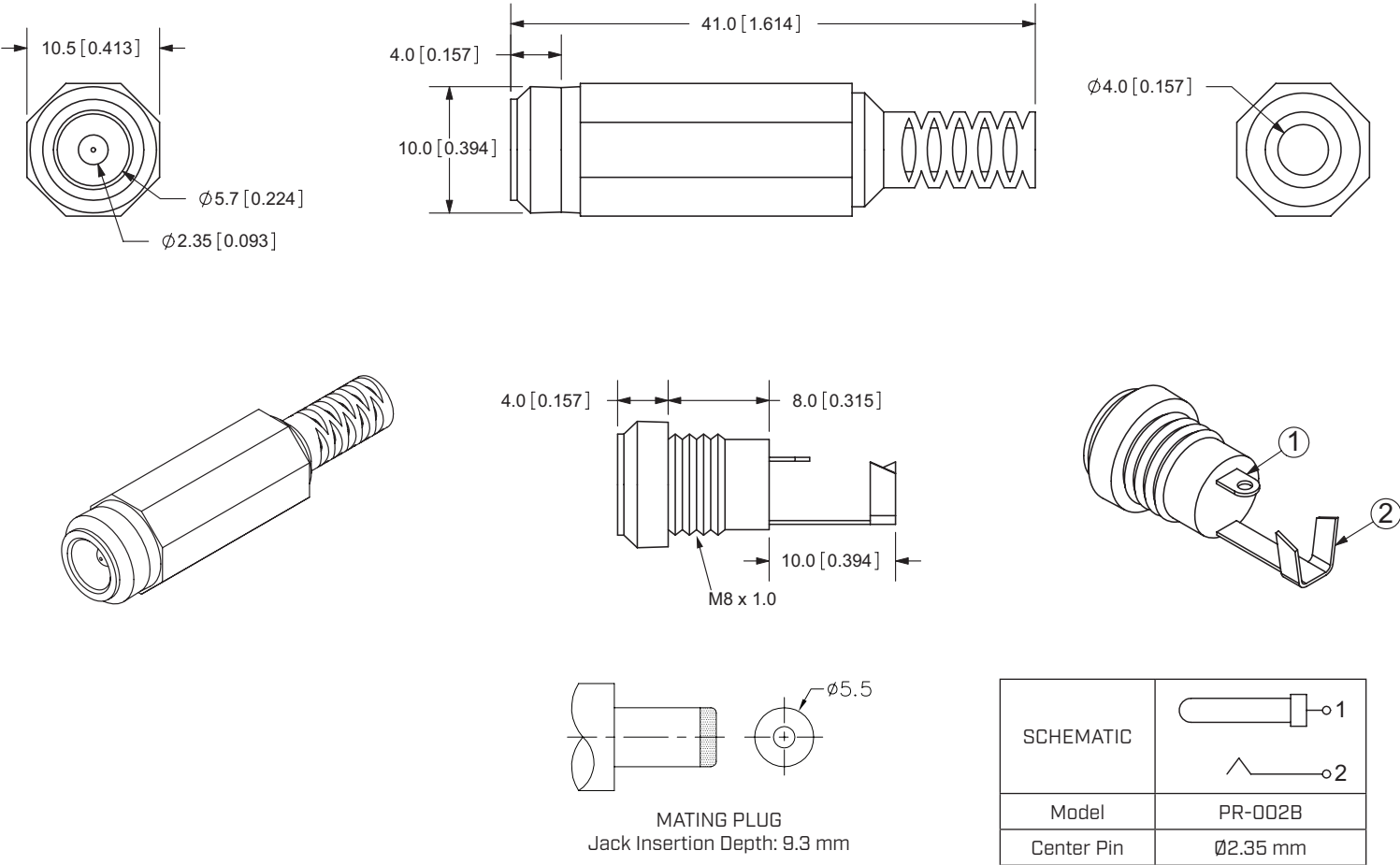
SOLDERABILITY

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 2 seconds  |     | 360 |     | °C    |

MECHANICAL DRAWING

units: mm[inches]  
tolerance: ±0.3 mm

|            | MATERIAL | PLATING |
|------------|----------|---------|
| center pin | PBS      | nickel  |
| terminal 1 | BSR      | nickel  |
| terminal 2 | BSR      | nickel  |
| cap        | PE       |         |
| body       | PA       |         |



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 11/11/2005 |
| 1.01 | updated rating                    | 03/06/2007 |
| 1.02 | added contact resistance          | 08/20/2010 |
| 1.03 | added pin designations            | 09/15/2010 |
| 1.04 | applied new spec template         | 11/01/2013 |
| 1.05 | updated datasheet                 | 03/21/2017 |
| 1.06 | brand update                      | 11/13/2019 |
| 1.07 | logo, datasheet style update      | 08/05/2022 |
| 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.



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