

date 11/01/2013

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MODEL: PR-002B | **DESCRIPTION:** DC POWER JACK

FEATURES

- 2.5 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 | А |
| contact resistance ¹ | between terminal and mating plug between terminal in a closed circuit | | | 50 30 | mΩ mΩ |
| insulation resistance | at 500 Vdc | 100 | | | ΜΩ |
| voltage withstand | at 50/60Hz for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| terminal strength | any direction for 10 seconds | | | 500 | g |
| operating temperature | | -25 | | 85 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | 2011/65/EU | | | | |

Note: 1. When measured at a current of less than 100 mA/1 kHz

SOLDERABILITY

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

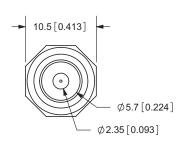
CUI Inc | MODEL: PR-002B | DESCRIPTION: DC POWER JACK

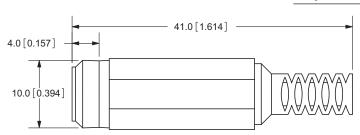
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MECHANICAL DRAWING

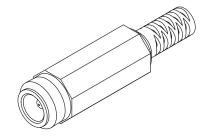
units: mm[inches] tolerance: ±0.3 mm

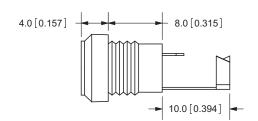
| | MATERIAL | PLATING |
|------------|----------|---------|
| center pin | PBS | nickel |
| terminal 1 | BSR | nickel |
| terminal 2 | BSR | nickel |
| pin | BSBM | nickel |
| ring | BSBM | nickel |
| cap | PE | |
| body | PA | |

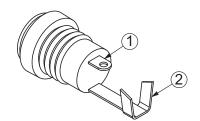


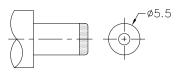












MATING PLUG Jack Insertion Depth: mm

| SCHEMATIC | <u></u> -01 |
|------------|-------------|
| | ^o2 |
| Model | PR-002B |
| Center Pin | Ø2.35 mm |

CUI Inc | MODEL: PR-002B | DESCRIPTION: DC POWER JACK

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 |

The revision history provided is for informational purposes only and is believed to be accurate.



Headquarters 20050 SW 112th Ave. Tualatin, OR 97062 800.275.4899

Fax 503.612.2383 cui.com techsupport@cui.com

CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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