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Additional Resources: Product Page | 3D Model

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

FEATURES

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



RoHS

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

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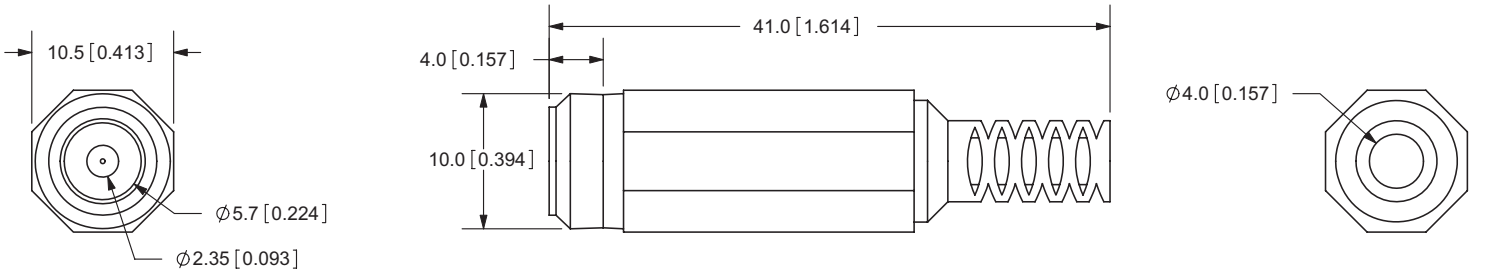
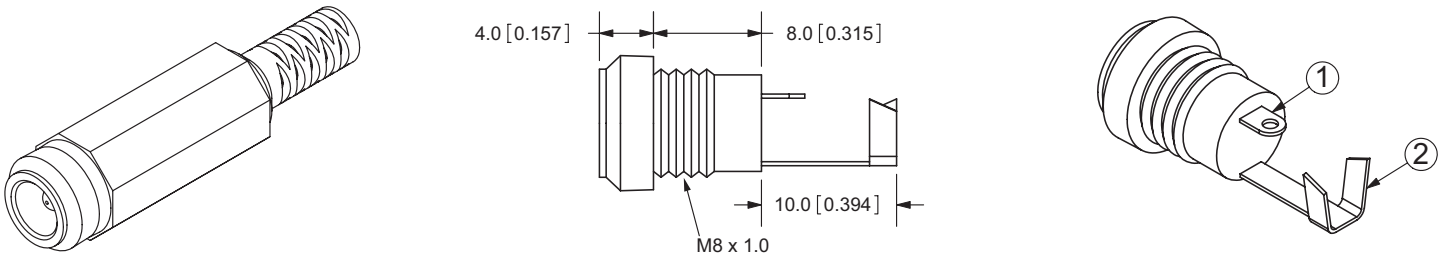
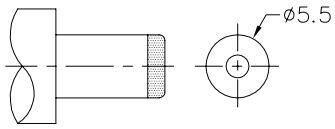
MECHANICAL DRAWING

units: mm[inches]
tolerance: ±0.3 mm

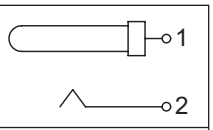
	MATERIAL	PLATING
center pin	PBS	nickel
terminal 1	BSR	nickel
terminal 2	BSR	nickel
cap	PE	
body	PA	







MATING PLUG
Jack Insertion Depth: 9.3 mm

SCHEMATIC	
	1
	2
Model	PR-002B
Center Pin	Ø2.35 mm

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

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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