CUDEVICES

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				

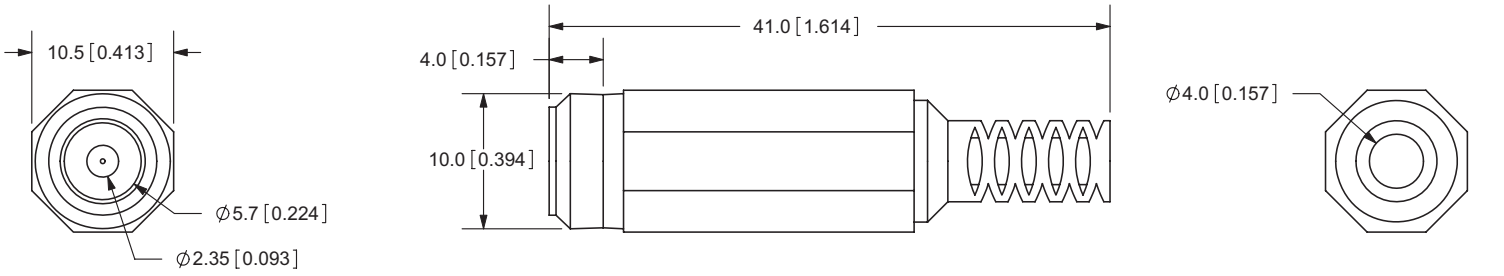
SOLDERABILITY

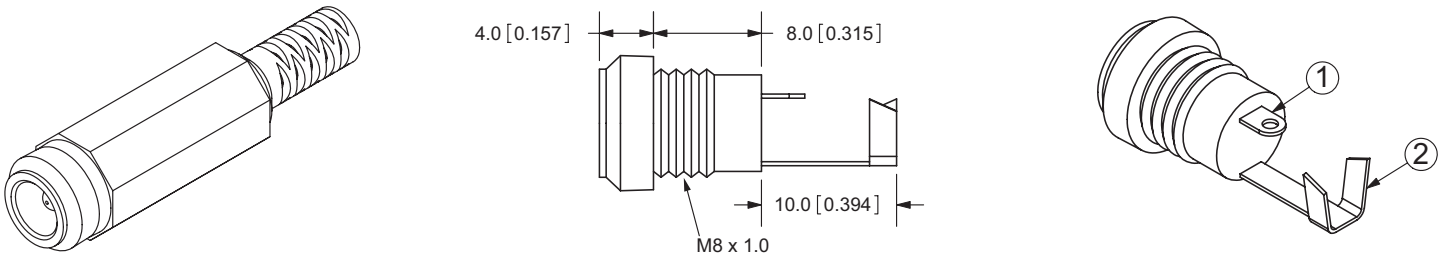
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 2 seconds		360		°C

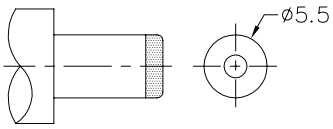
MECHANICAL DRAWING

units: mm[inches]
tolerance: ±0.3 mm

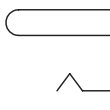
	MATERIAL	PLATING
center pin	PBS	nickel
terminal 1	BSR	nickel
terminal 2	BSR	nickel
cap	PE	
body	PA	







MATING PLUG
Jack Insertion Depth: 9.3 mm

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

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

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

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

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