

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

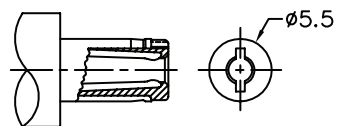
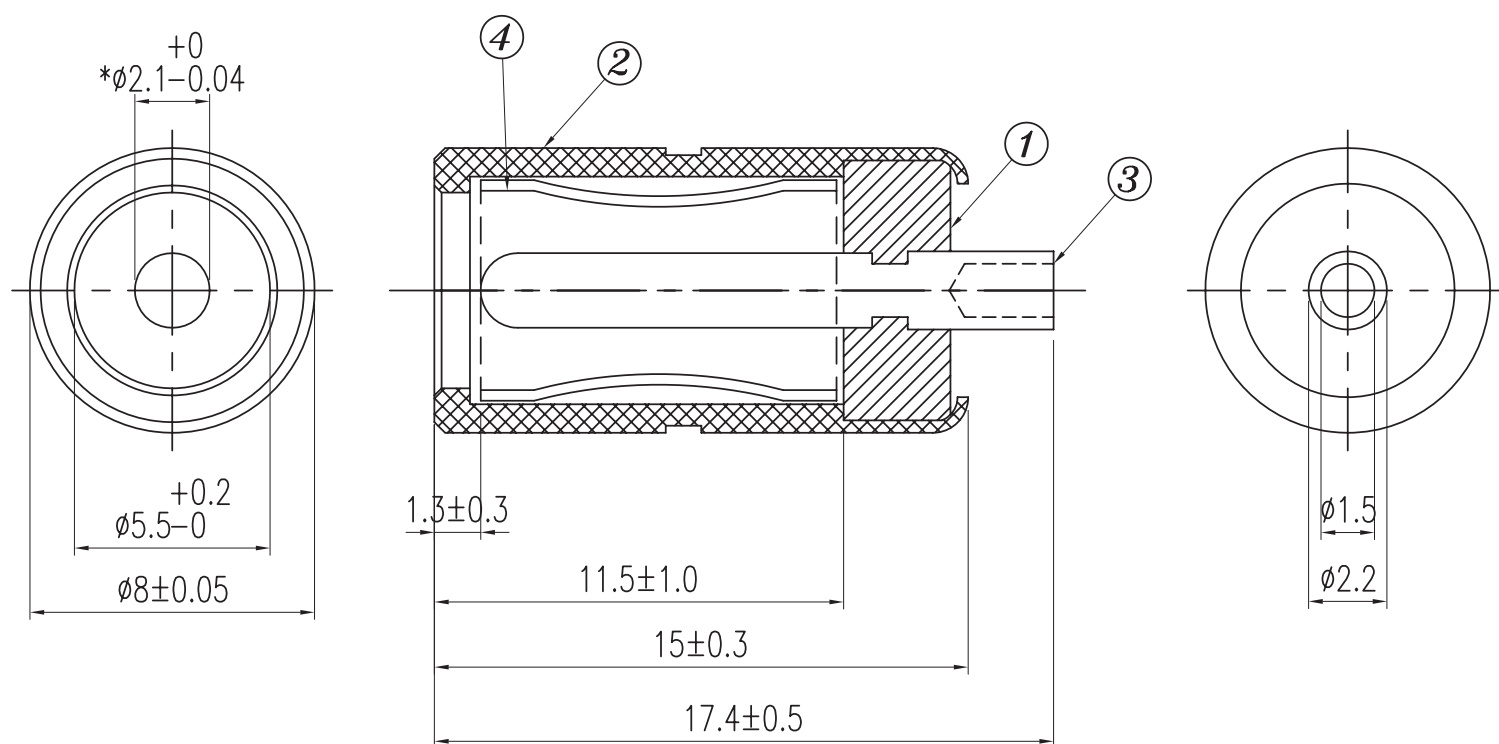
units: mm

tolerance:

 $X \leq 1.0$: ± 0.1 mm $1.0 < X \leq 6.0$: ± 0.2 mm $6.0 < X \leq 18.0$: ± 0.3 mm $18.0 < X \leq 40.0$: ± 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



MATING PLUG
Jack Insertion Depth: 11.5 mm

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

REVISION HISTORY

rev.	description	date
1.0	initial release	06/18/2018

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



CUI INC[®]

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.

CUI reserves the right to make changes to the product at any time without notice. Information provided by CUI is believed to be accurate and reliable. However, no responsibility is assumed by CUI for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI 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.