

**MODEL: PR-1755 | DESCRIPTION: DC POWER RECEPTACLE****FEATURES**

- designed for overmolding
- 7 A rating
- 1.6 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**

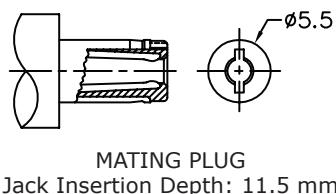
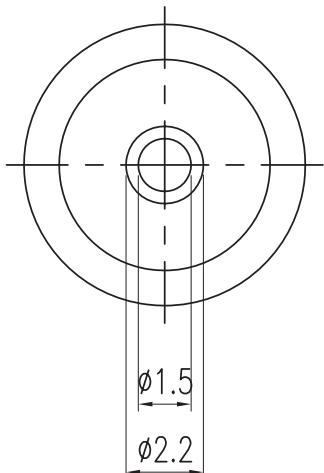
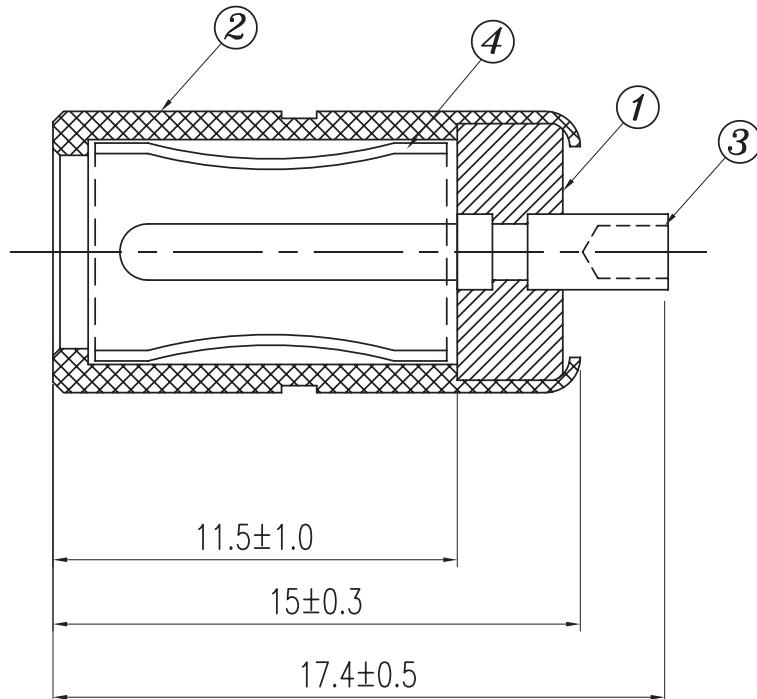
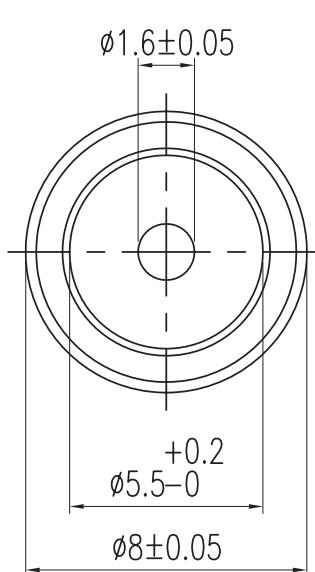
units: mm

tolerance:

 $X \leq 1.0$ :  $\pm 0.1$  mm $1.0 < X \leq 6.0$ :  $\pm 0.2$  mm $6.0 < X \leq 18.0$ :  $\pm 0.3$  mm $18.0 < X \leq 40.0$ :  $\pm 0.4$  mm $X > 40.0$ :  $\pm 0.5$  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



Schematic	
Model No.	PR-1755
Center Pin	Ø1.6 mm

## REVISION HISTORY

rev.	description	date
1.0	initial release	06/19/2018
1.01	brand update	11/07/2019

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

# CUI DEVICES

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