

**MODEL:** PPM-2-47517-SG | **DESCRIPTION:** DC POWER PLUG**FEATURES**

- designed for overmolding
- 6 A rating
- forked pin
- grooved

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current				6	A
contact resistance	between plug and jack			30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force	when mating with a standard jack	0.5		3	kgf
withdrawal force	when mating with a standard jack	0.4		2	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

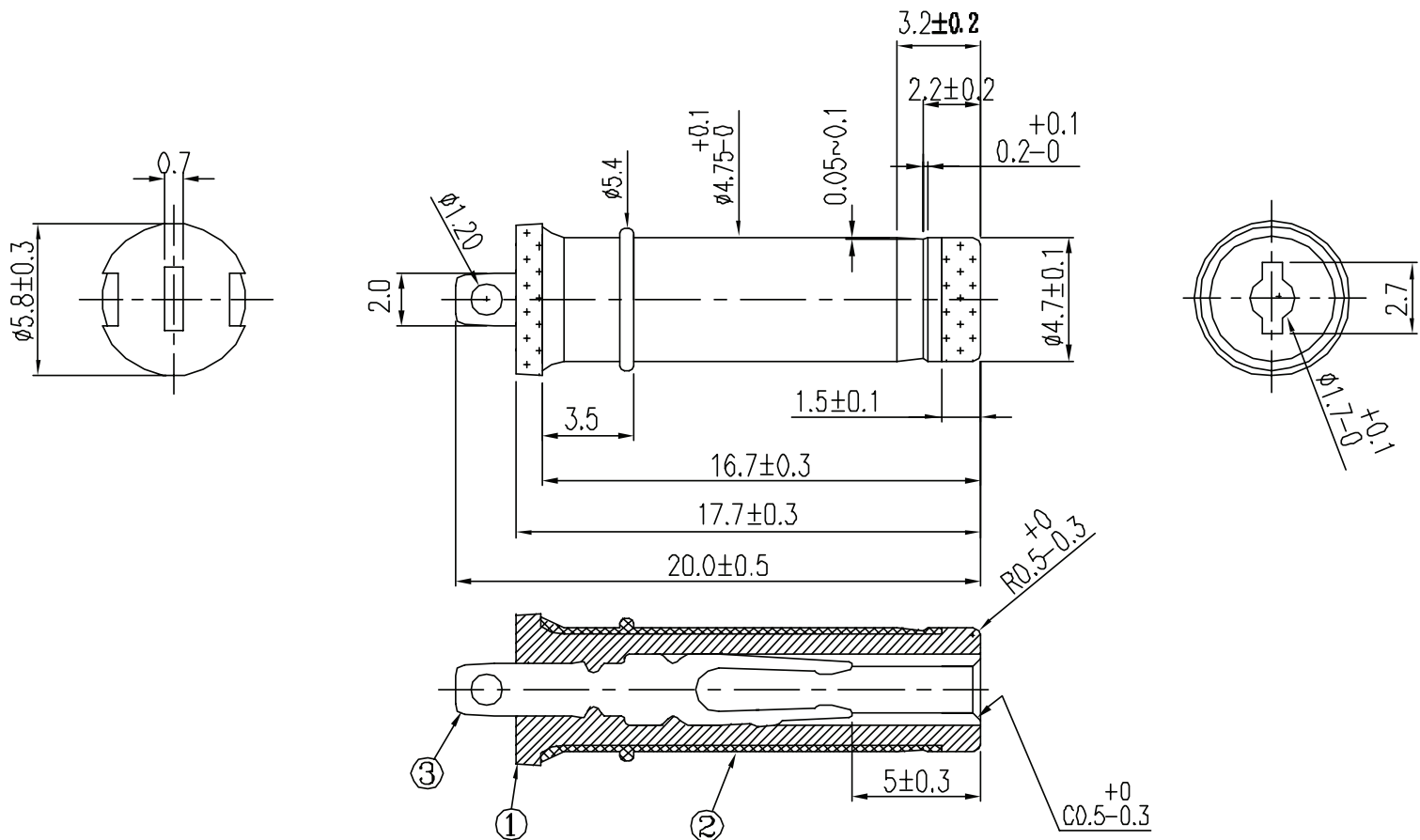
units: mm

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	outer barrel	brass	nickel
3	center contact	phosphor bronze	nickel



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.

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

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