

**MODEL:** PPM-2-3511-SG1 | **DESCRIPTION:** DC POWER PLUG**FEATURES**

- designed for overmolding
- 5 A rating
- groove for locking
- spring center pin

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5	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		2.0	kgf
withdrawal force	when mating with a standard jack	0.3		1.5	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

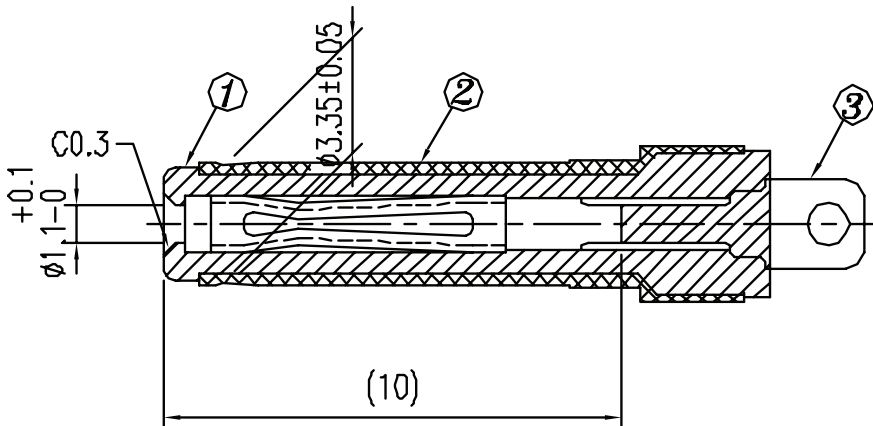
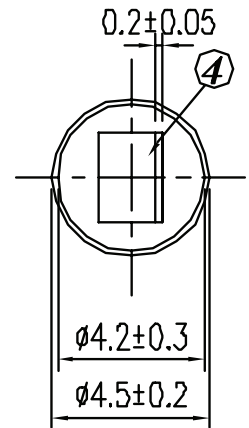
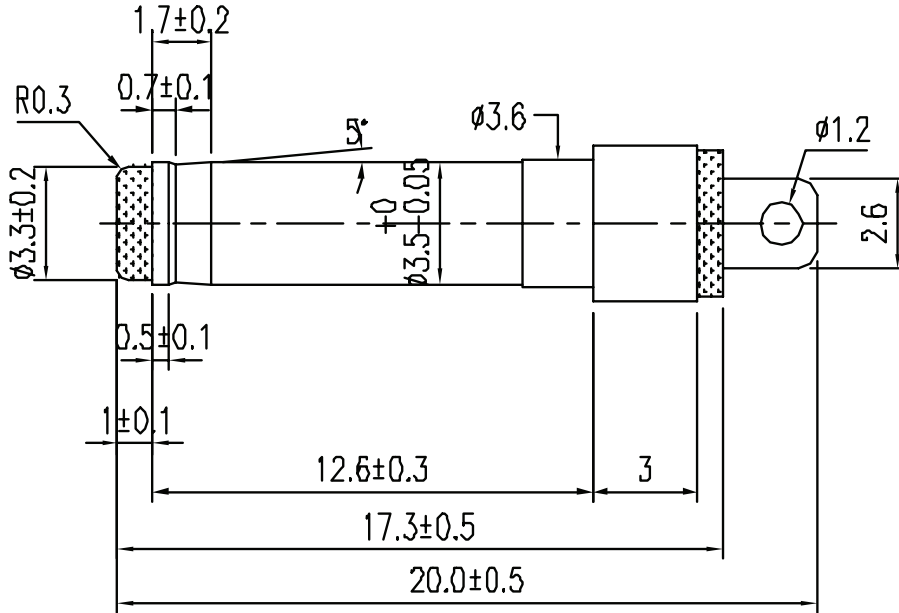
$6.0 < X \leq 18.0$ :  $\pm 0.3$  mm

$18.0 < X \leq 40.0$ :  $\pm 0.4$  mm

$X > 40.0$ :  $\pm 0.5$  mm

unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	insulator	PBT (UL94V-0)	black
2	outer barrel	brass	nickel
3	center contact	phosphor bronze	nickel
4	spacer	POM (UL94HB)	black



## REVISION HISTORY

rev.	description	date
1.0	initial release	06/18/2018
1.01	logo, datasheet style update	08/05/2022

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



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