

**MODEL: PP-2565-0M | DESCRIPTION: DC POWER PLUG****FEATURES**

- 8 A current rating
- 3.0 x 6.5 mm
- designed for overmolding

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current			8		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	0.3		3.0	kgf
withdrawal force	when mating with a standard jack	0.3		3.0	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≤1.0: ±0.1 mm

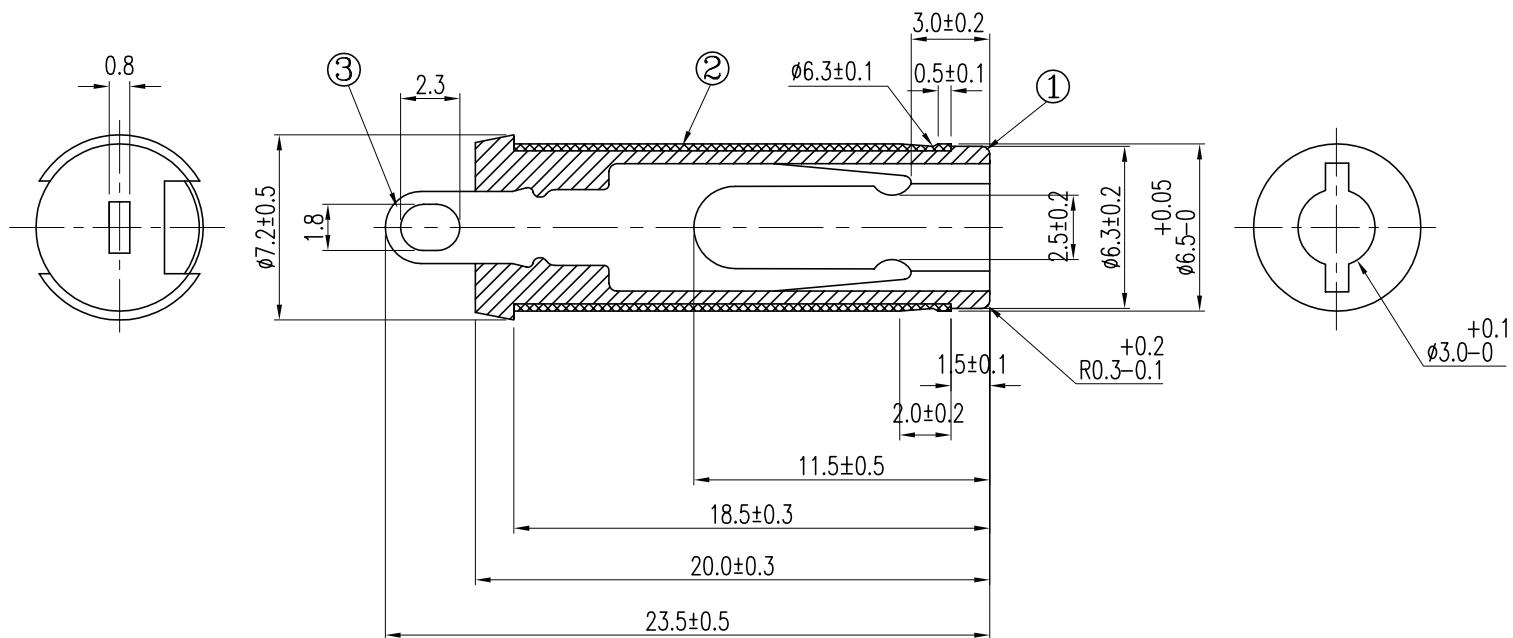
1.0 < X  $\leq$  6.0:  $\pm 0.2$  mm

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

18.0 < X  $\leq$  40.0:  $\pm 0.$

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



## REVISION HISTORY

rev.	description	date
1.0	initial release	07/17/2020

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

# CUI DEVICES

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