# **CUI** DEVICES

**date** 11/08/2019

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**MODEL:** PP-050B | **DESCRIPTION:** DC POWER PLUG

#### **FEATURES**

- cable mount
- hexagonal cover with strain relief
- 5 A current rating





#### **SPECIFICATIONS**

00					
parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current				5	А
contact resistance	between plug and jack			30	mΩ
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	for 1 minute			500	Vac
insertion force	when mating with a standard jack	0.5		2.5	kgf
withdrawal force	when mating with a standard jack	0.3		2.0	kgf
operating temperature		-25		70	°C
operating humidity				85	%
life			5,000		cycles
flammability rating	see material table				
RoHS	yes				

#### **SOLDERABILITY**

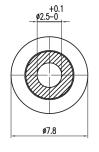
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 1 second	380	400	420	°C

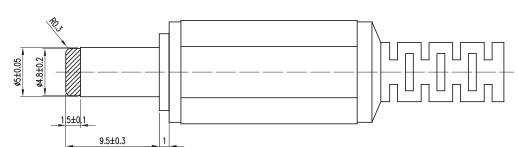
### **MECHANICAL DRAWING**

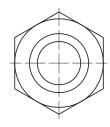
units: mm tolerance:

 $X \le 1.0$ :  $\pm 0.1$  mm  $1.0 < X \le 6.0$ :  $\pm 0.2$  mm  $6.0 < X \le 12.0$ :  $\pm 0.3$  mm  $12.0 < X \le 25.0$ :  $\pm 0.4$  mm X > 25.0:  $\pm 0.5$  mm unless otherwise noted

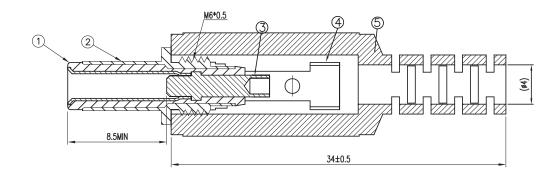
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	insulator	POM (UL94HB)	black
2	outer barrel	brass	nickel
3	center contact	brass	nickel
4	crimp contact	brass	nickel
5	cover	PVC	black







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Additional Resources: Product Page | 3D Model

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#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	06/15/2018
1.01	brand update	11/08/2019

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

## **CUI** DEVICES

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

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