

Additional Resources: Product Page | 3D Model

date 09/12/2024

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# MODEL: PP3-002AH | DESCRIPTION: DC POWER PLUG

#### **FEATURES**

- · cable mount
- 8 A current rating
- round cover





### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				8	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	0.3		3	kgf
withdrawal force	when mating with a standard jack	0.3		3	kgf
operating temperature		-25		70	°C
operating humidity				85	%
life			5,000		cycles
flammability rating	see material table				
RoHS	yes				

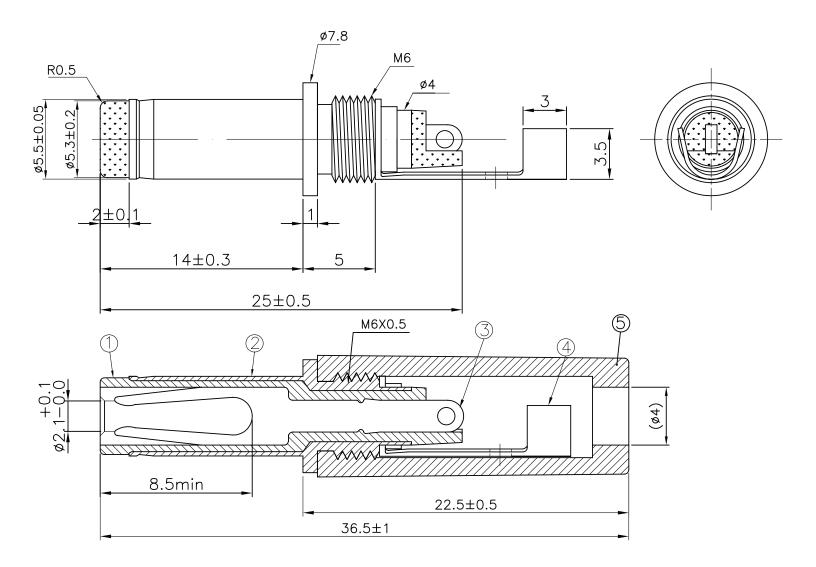
## **SOLDERABILITY**

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

## **MECHANICAL DRAWING**

units: mm tolerance:  $X \le 1.0$ :  $\pm 0.1$  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	PBT (UL94HB)	black
2	outer barrel	brass	nickel
3	center contact	phosphor bronze	nickel
4	crimp contact	brass	nickel
5	cover	ABS (UL94HB)	black



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### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	12/30/2009	
1.01	operating temperature added	03/25/2010	
1.02	updated drawing to show tip slot, corrected material table	05/25/2010	
1.03	brand update	06/10/2020	
1.04	logo, datasheet style update	08/05/2022	
1.05	CUI Devices rebranded to Same Sky	09/12/2024	

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



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