Additional Resources: Product Page | <u>3D Model</u>



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

#### **FEATURES**

- cable mount
- 8 A current rating
- round cover



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#### **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			MΩ
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

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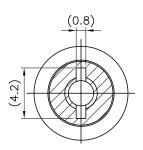
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 1 second	380	400	420	°C

### **MECHANICAL DRAWING**

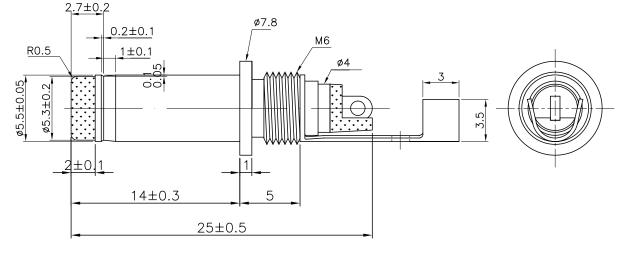
units: mm tolerance: X≤1.0: ±0.1 mm 1.0<X≤6.0: ±0.2 mm 6.0<X≤12.0: ±0.3 mm 12.0<X≤25.0: ±0.4 mm X>25.0: ±0.5 mm unless otherwise noted

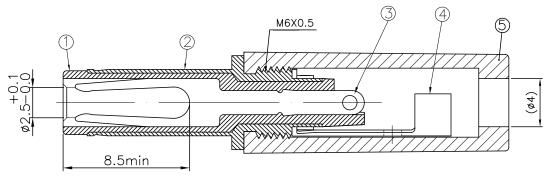
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	insulator	PBT (UL94HB)	black
2	outer barrel	brass	nickel
3	center contact	phosphor bronze	nickel
4	crimp contact	brass	nickel
5	cover	ABS (UL94HB)	black

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#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	12/30/2009
1.01	operating temp added	03/25/2010
1.02	updated drawing to show tip slot, corrected material table	05/25/2010
1.03	updated drawing	05/26/2016
1.04	brand update	06/10/2020
1.05	logo, datasheet style update	08/05/2022
1.06	CUI Devices rebranded to Same Sky	09/12/2024

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

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

# same sky

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.