

Additional Resources: Product Page | 3D Model

date 09/12/2024

page 1 of 3

MODEL: PP-012 | DESCRIPTION: DC POWER PLUG

FEATURES

- · cable mount
- 3 A current rating
- hexagonal cover





SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				3	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				

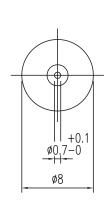
SOLDERABILITY

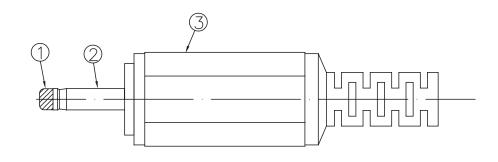
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 1 second	380	400	420	°C

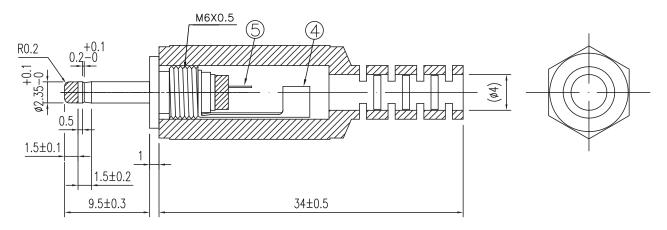
MECHANICAL DRAWING

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

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







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REVISION HISTORY

rev.	description	date
1.0	initial release	05/15/2006
1.01	brand update	06/10/2020
1.02	logo, datasheet style update	08/05/2022
1.03	changed insulator material from POM to PBT	11/09/2023
1.04	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.

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