CUI Devices is now Same Sky! Learn More

MODEL: PP-012 | DESCRIPTION: DC POWER PLUG

FEATURES

- cable mount
- 3 A current rating
- hexagonal cover



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				3	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	0.5		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

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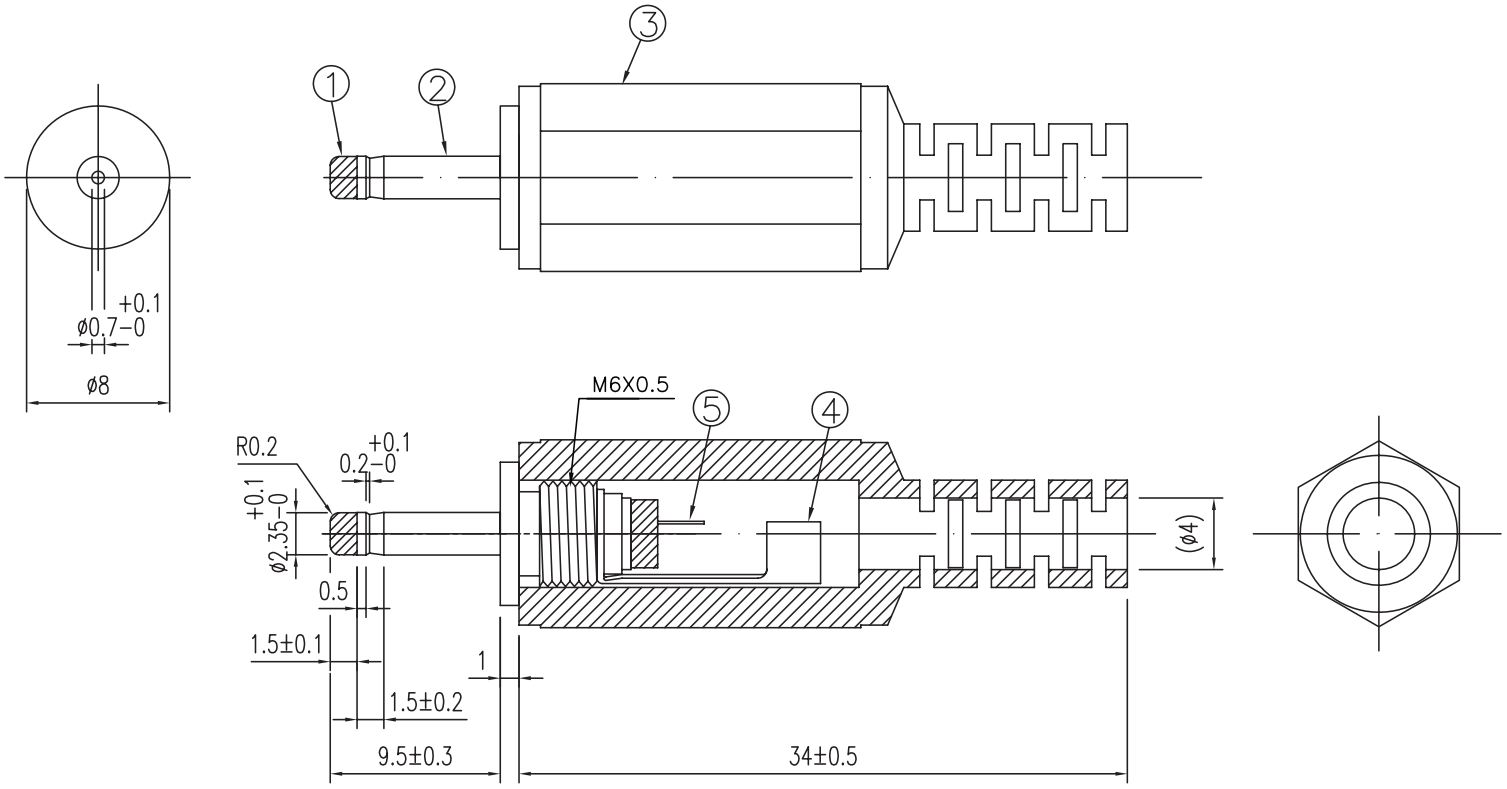
MECHANICAL DRAWING

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)	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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