CUI Devices is now Same Sky! Learn More

MODEL: PJ-102AH | DESCRIPTION: DC POWER JACK

FEATURES

- 2.0 mm center pin
- 5.0 A rating
- right-angle orientation
- through hole



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

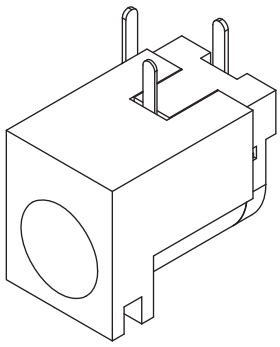
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

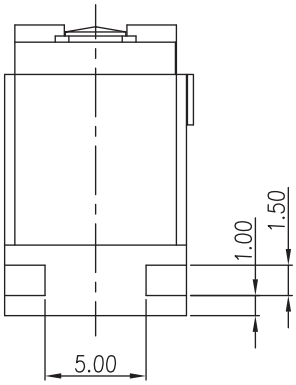
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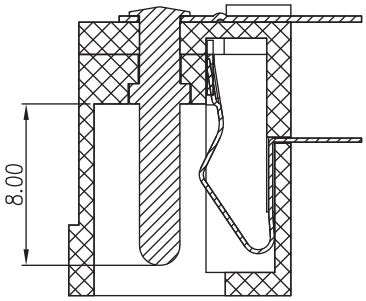
MECHANICAL DRAWING

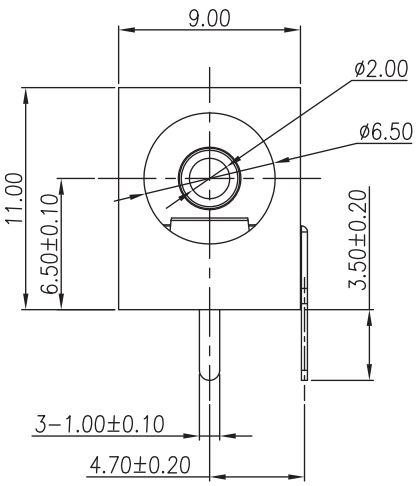
units: mm
tolerance:
X ±0.50 mm
X.X ±0.30 mm
X.XX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified

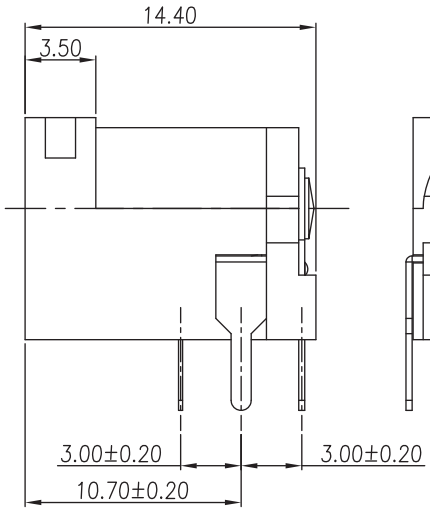
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
housing	PBT (UL94V-0)	black
cover	PBT (UL94V-0)	black

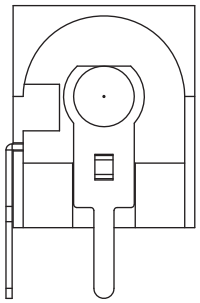


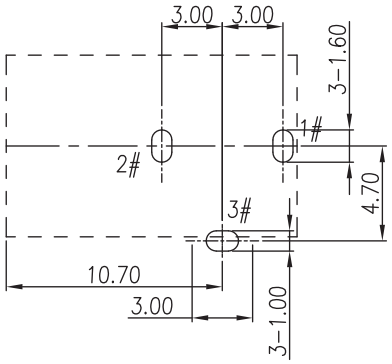




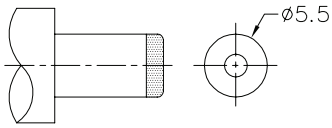




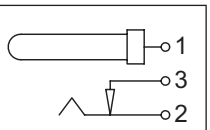




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 9.5 mm

SCHEMATIC	
Model	PJ-102AH
Center Pin	Ø2.0 mm

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REVISION HISTORY

rev.	description	date
1.0	initial release	11/17/2005
1.01	applied new spec template	01/08/2015
1.02	updated datasheet	05/12/2016
1.03	brand update	10/30/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	01/13/2023
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.

same sky

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

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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.

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