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same sky

MODEL: PJ-047BH | DESCRIPTION: DC POWER JACK

FEATURES

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



RoHS

SPECIFICATIONS

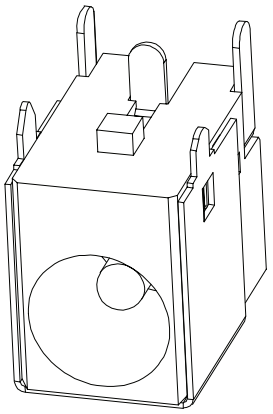
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	A
contact resistance				30	mΩ
insulation resistance	at 250 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

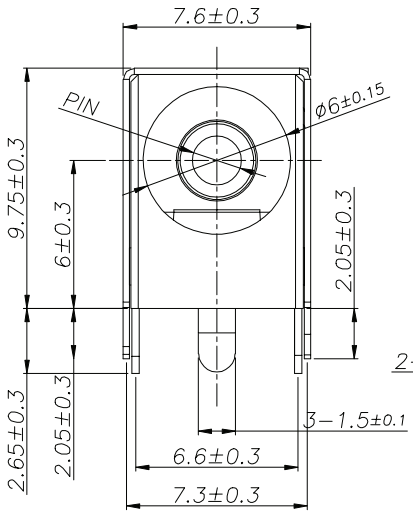
parameter	conditions/description	min	typ	max	units
hand soldering	for 3±1 seconds	375	380	385	°C
wave soldering	dipped in solder pot for 4~6 seconds		250		°C

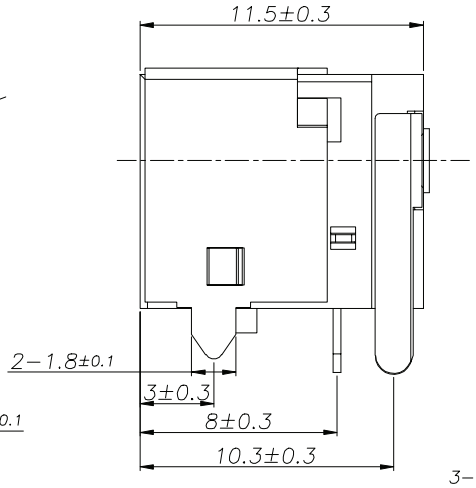
MECHANICAL DRAWING

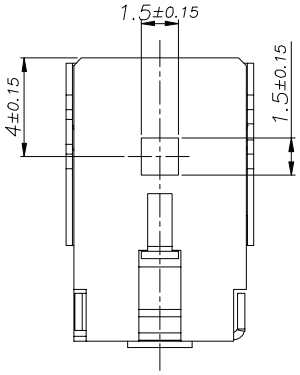
units: mm
tolerance: ±0.30 mm
PCB: ±0.05 mm
unless otherwise specified

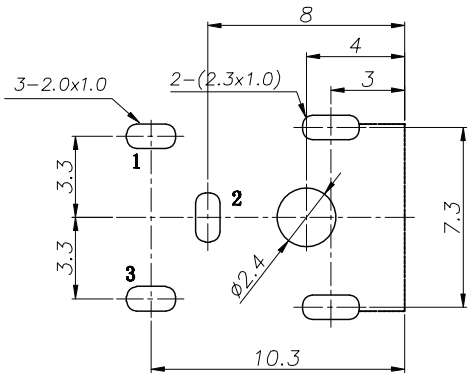


DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	nickel
terminal 1	brass t=0.30	silver
terminal 2	SUS301 t=0.30	silver
terminal 3	brass t=0.30	silver
shield	brass t=0.25	nickel
housing	PBT (UL94V-0)	black

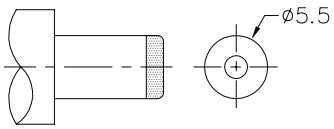




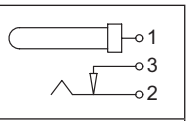




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 8.2 mm

SCHEMATIC	
Model	PJ-047BH
Center Pin	Ø2.5 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	shield plating material changed from Tin to Nickel	09/30/2009
1.02	applied new spec template	09/30/2013
1.03	increased voltage rating	04/14/2016
1.04	brand update	11/05/2019
1.05	logo, datasheet style update	08/05/2022
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	02/22/2023
1.07	added hand soldering conditions	04/25/2024
1.08	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

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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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