

**MODEL:** PJ-070BH-SMT-TR | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 2.5mm center pin
- 5.0 A rating
- vertical orientation
- surface mount (SMT)

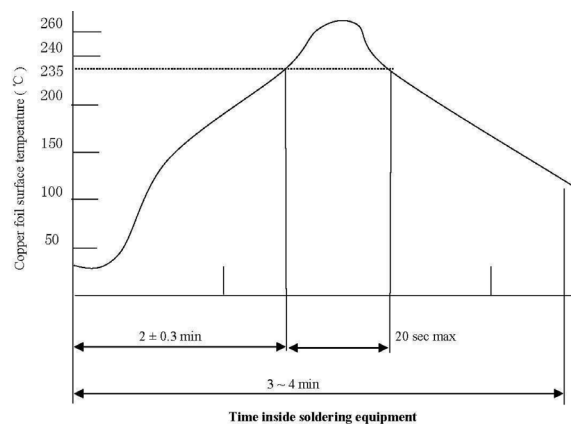
**SPECIFICATIONS**

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
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	≤30°C, ≤80% humidity				°C
reflow soldering ¹	see reflow profile		260		°C
drying conditions	parts in reel: bake at 40±5°C for 72 hours parts removed from reel: bake at 40±5°C for 10 hours				

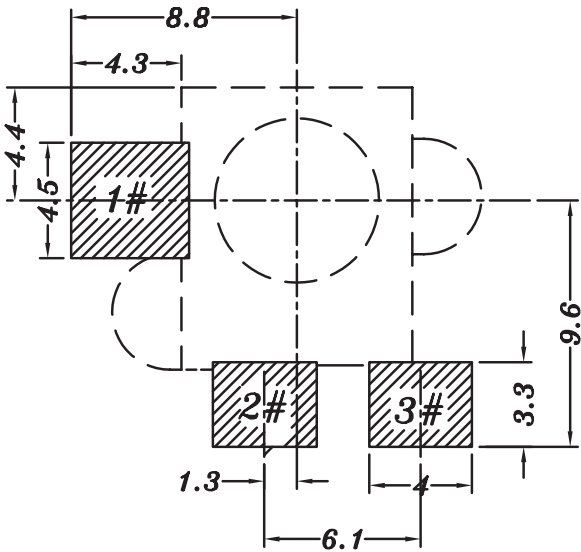
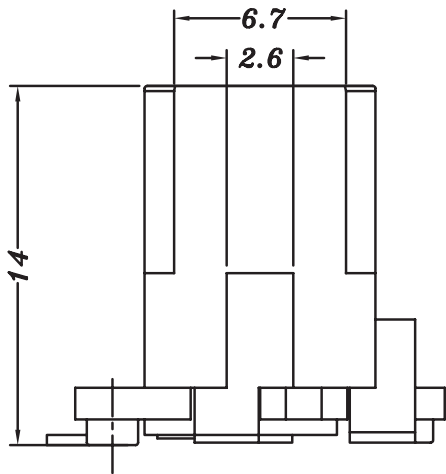
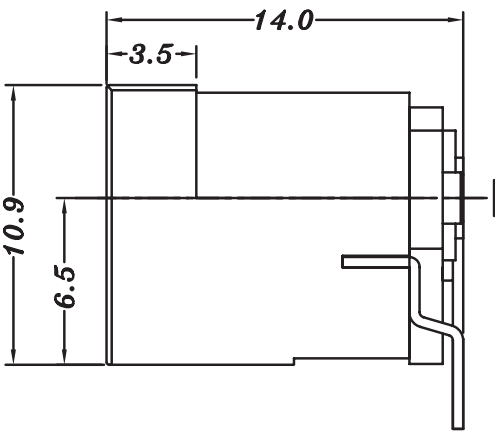
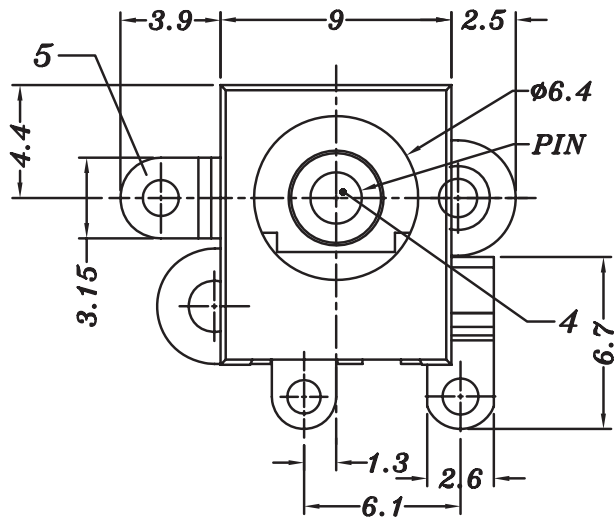
Note: 1. Same Sky recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <80%.



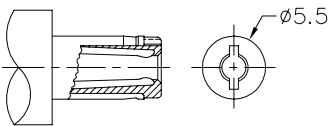
MECHANICAL DRAWING

units: mm
tolerance:
0.0<X≤5.0: ±0.10 mm
X>5.0: ±0.20 mm
unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	nickel
terminal 1	brass	silver
terminal 2	bronze	silver
terminal 3	brass	silver
housing	LCP [UL94V-0]	black
cover	PA9T [UL94V-0]	black



Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 8.3 mm

SCHEMATIC	
Model	PJ-070BH-SMT
Center Pin	$\phi 2.5$ mm

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REVISION HISTORY

rev.	description	date
1.0	initial release	03/16/2012
1.01	updated features	06/15/2012
1.02	added TR package option	11/28/2012
1.03	updated spec	08/21/2013
1.04	increased voltage rating	04/14/2016
1.05	added storage and drying conditions, and tape and reel packaging details	10/19/2017
1.06	brand update	10/31/2019
1.07	logo, datasheet style update	08/05/2022
1.08	product reengineered for improved manufacturability and production yield, see PCN for details	04/11/2023
1.09	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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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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