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MODEL: PJ-054 | DESCRIPTION: DC POWER JACK

FEATURES

- 1.65 mm center pin
- 2.5 A rating
- low profile
- right angle orientation
- through hole

RoHS

SPECIFICATIONS

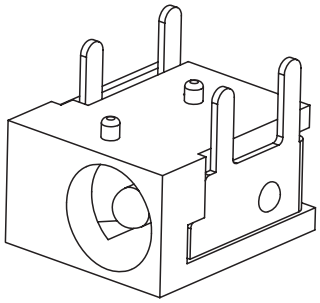
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	A
contact resistance				50	mΩ
insulation resistance	at 250 Vdc	100			MΩ
voltage withstand				500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
storage temperature		-40		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

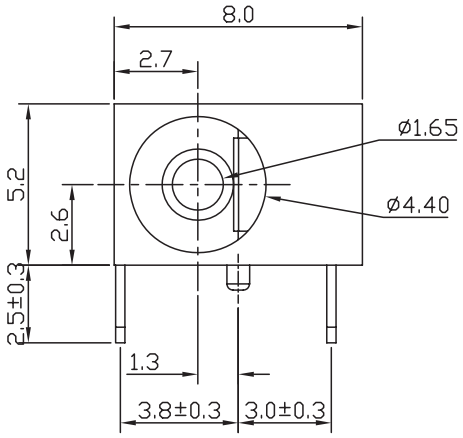
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 10 seconds		260		°C

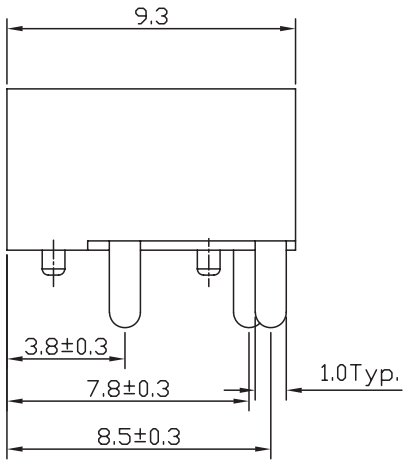
MECHANICAL DRAWING

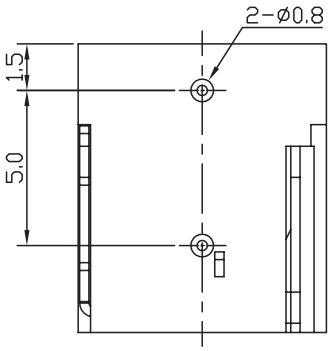
units: mm
tolerance: ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified

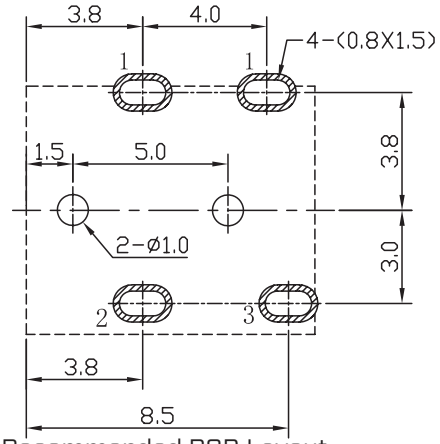


DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	H65 brass	nickel
terminal 1	brass	silver
terminal 2	bronze	silver
terminal 3	brass	silver
housing	PA9T (UL94V-0)	black

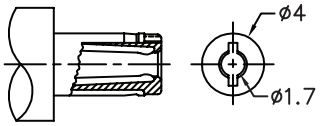




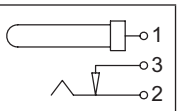




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 6.1 mm

SCHEMATIC	
Model	PJ-054
Center Pin	Ø1.65 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	applied new spec template	06/09/2015
1.02	increased voltage rating	04/14/2016
1.03	brand update	10/28/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	12/19/2022
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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