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same sky

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## MODEL: PJ-047B | DESCRIPTION: DC POWER JACK

#### FEATURES

- 2.5 mm center pin
- 2.5 A rating
- $\cdot$  right angle orientation
- through hole
- shielded



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#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	А
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**

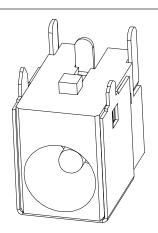
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parameter	conditions/description	min	typ	max	units
hand soldering	for 3±1 seconds	375	380	385	°C
wave soldering	dipped in solder pot for 4~6 seconds	250			°C

### **MECHANICAL DRAWING**

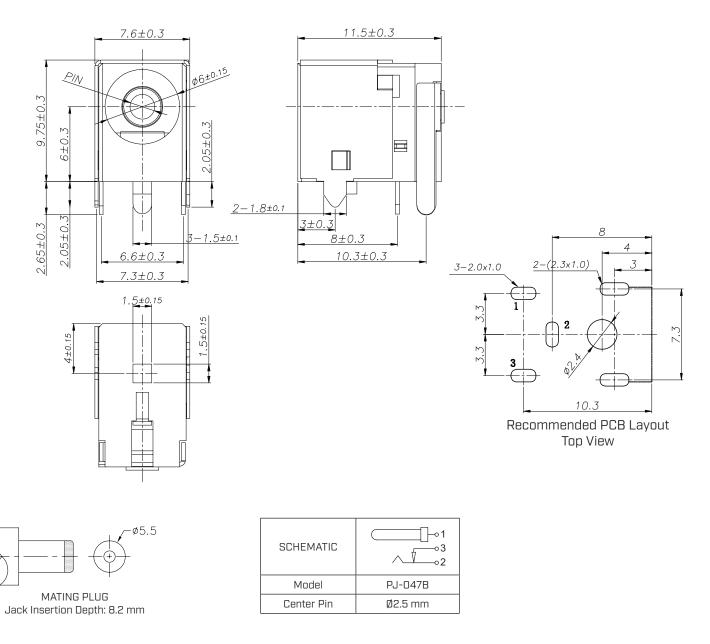
units: mm tolerance: ±0.30 mm PCB: ±0.05 mm unless otherwise specified

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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

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#### **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	10/21/2013
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	02/23/2023
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 offers a one (1) year limited warranty. Complete warranty information is listed on our website.

# same sky

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