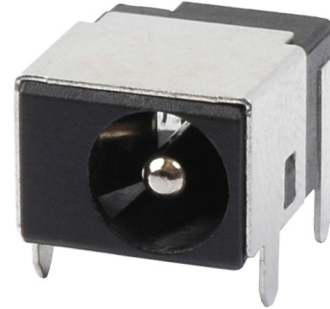


MODEL: PJ-051B | **DESCRIPTION:** DC POWER JACK**FEATURES**

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

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	A
contact resistance ¹	between terminal and mating plug			50	mΩ
	between terminal in a closed circuit			30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	at 50/60Hz 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				

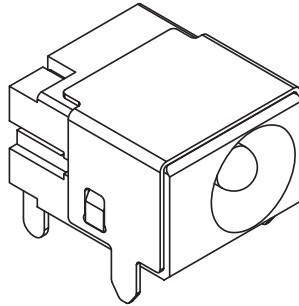
Note: 1. When measured at a current of less than 100 mA/1 kHz

SOLDERABILITY

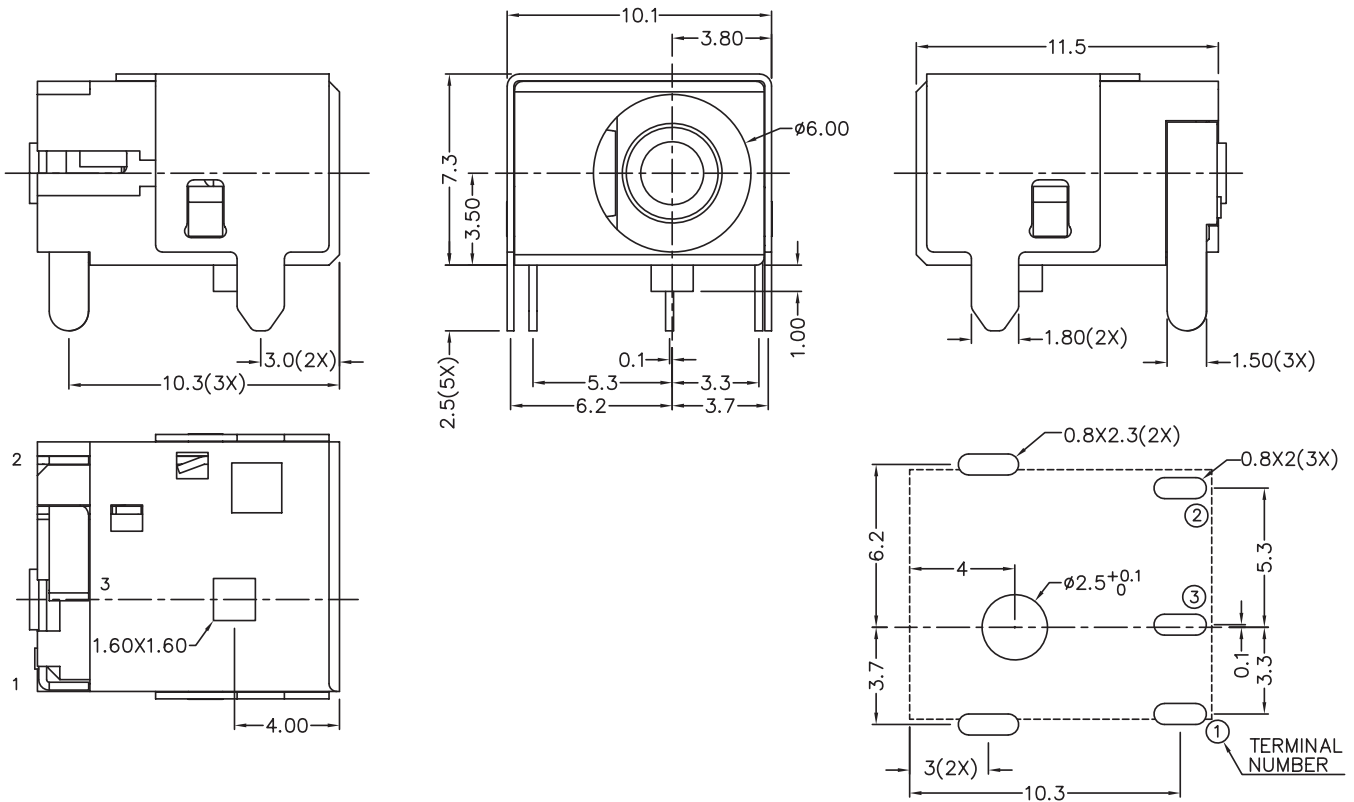
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

MECHANICAL DRAWING

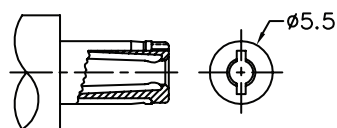
units: mm
tolerance:
X.X ± 0.2 mm
X.XX ± 0.1 mm
X.XXX ± 0.05 mm
PCB: ± 0.05 mm
unless otherwise specified



DESCRIPTION	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	tin over nickel
terminal 2	copper alloy	tin over nickel
terminal 3	brass	tin over nickel
shield	brass	nickel
housing	PBT [UL94V-0]	black



Recommended PCB Layout Top View



MATING PLUG
Jack Insertion Depth: 8.2 mm

SCHEMATIC	
Model	PJ-051B
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	updated datasheet	02/01/2023
1.06	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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