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same sky

MODEL: PJ-102B | DESCRIPTION: DC POWER JACK

FEATURES

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



RoHS

SPECIFICATIONS

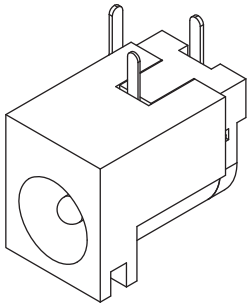
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

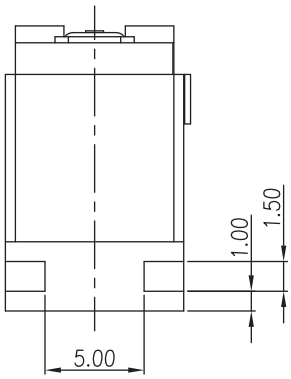
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

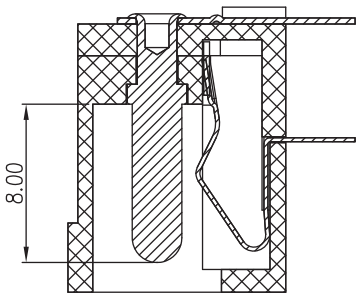
MECHANICAL DRAWING

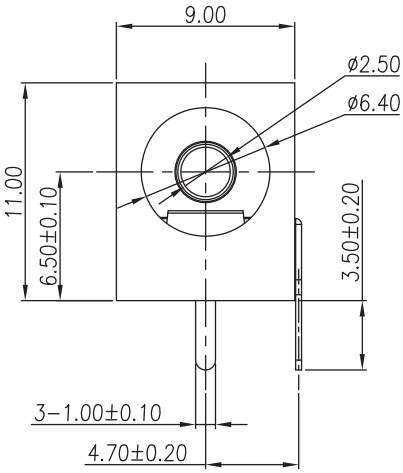
units: mm
tolerance:
X ±0.50 mm
X.X ±0.30 mm
X.XX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified

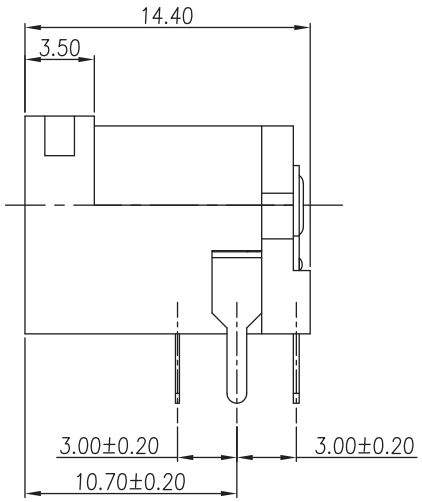


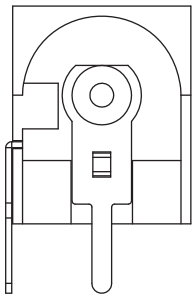
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper	nickel
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	brass	tin
housing	PBT (UL94V-0)	black
cover	PBT (UL94V-0)	black

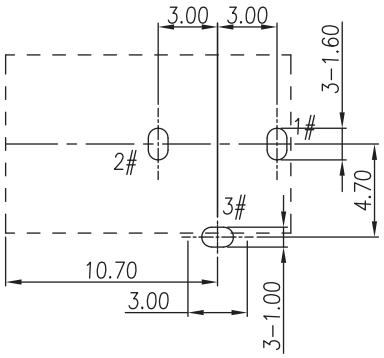




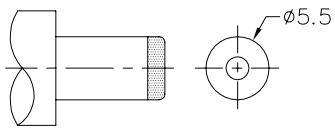




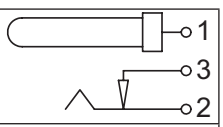




Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 9.5 mm

SCHEMATIC	
Model	PJ-102B
Center Pin	Ø2.5 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	11/17/2005
1.01	updated contact resistance	06/06/2006
1.02	applied new spec template	10/07/2013
1.03	increased voltage rating	04/21/2016
1.04	brand update	10/30/2019
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	09/02/2022
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

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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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CFM-2507CF-0140-313 CFM-6015V-239-292-20 SJ-43516-SMT-TR-PI TBP02P1-381-10BE
CBT-09427-SMT-TR PJ-067B CDM1222-12A-FW-F16-050-67 CMI-9653S-SMT-TR CPI-1375IC-80T
DS01C-254-S-03BE TBL004V-508-02BE-2GY CFM-A238BF-270-651 CMC-5042PF-AC CPM-2H PJ-047BH
PJ-202AH CMP-5247TF-K PJ-058AH PR4-5V-450-1A SJ1-3535N TB007-508-02BE
UJ32-C-H-G-L1-MSMT-TR CPT-1117-83-SMT-TR DS04-254-2-02BK-SMT SJ-2523-SMT-TR