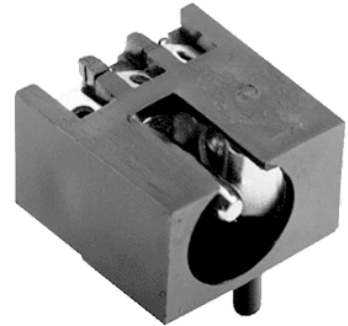


MODEL: PJ-012B | **DESCRIPTION:** DC POWER JACK**FEATURES**

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

**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		75	°C
storage temperature		-25		75	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

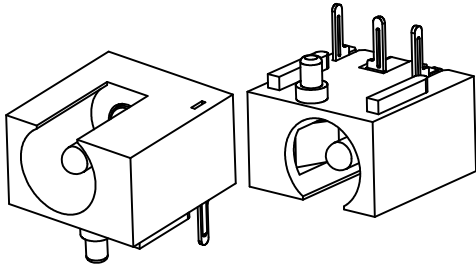
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for 3~5 seconds			360	°C

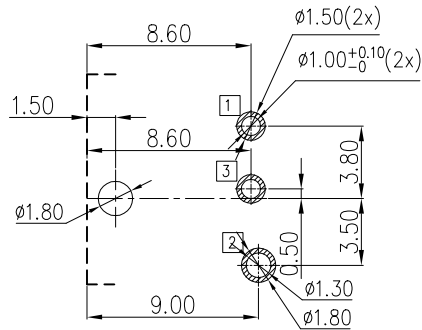
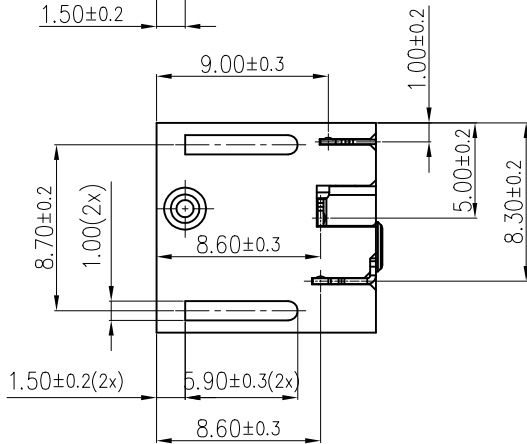
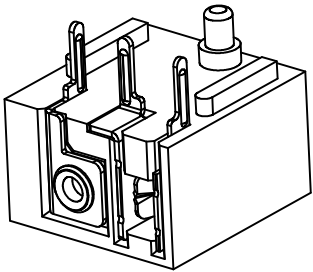
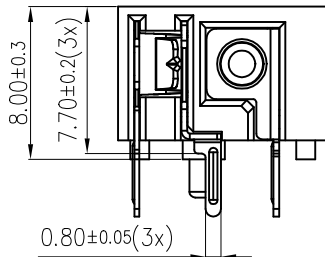
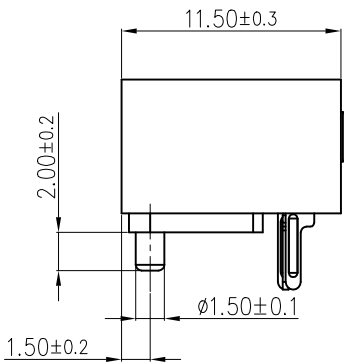
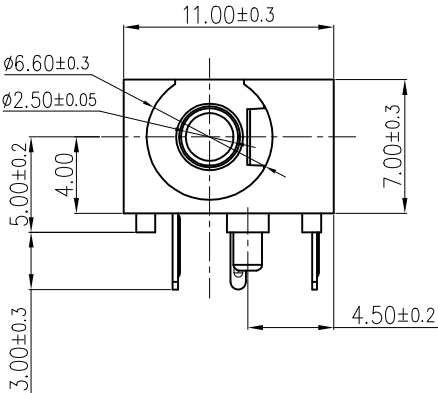
MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.50 mm
X.XX ±0.30 mm
X.XXX ±0.15 mm
PCB: ±0.05 mm
unless otherwise specified

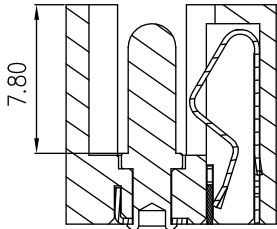
PCB thickness: 1.6 mm



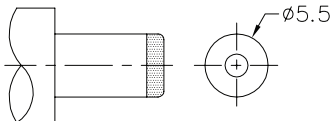
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	30-50 μ" nickel
terminal 1	C2680R -EH t=0.30 mm	8 μ" silver over 30-60 μ" nickel
terminal 2	C5210R -EH t=0.25 mm	8 μ" silver over 30-60 μ" nickel
terminal 3	C2680R -EH t=0.30 mm	8 μ" silver over 30-60 μ" nickel
housing	PBT [UL94V-0]	black



Recommended PCB Layout
Top View



A-A



MATING PLUG
Jack Insertion Depth: 7.8 mm

SCHEMATIC	
Model	PJ-012B
Center Pin	Ø2.5 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	05/17/2006
1.01	applied new spec template	11/01/2013
1.02	brand update	06/02/2020
1.03	logo, datasheet style update	08/05/2022
1.04	CUI Devices rebranded to Same Sky	09/12/2024
1.05	factory location change	07/07/2026

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 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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