

MODEL: PJ-040D | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 1.3 mm center pin
- 2.0 A rating
- right angle orientation
- through hole mount

**SPECIFICATIONS**

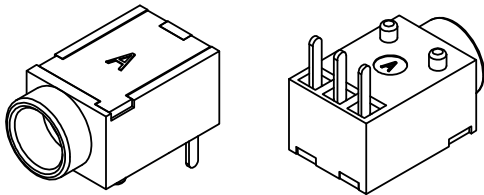
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.0	A
contact resistance	between terminal and mating plug			50	mΩ
	between terminal in a closed circuit			30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.5		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

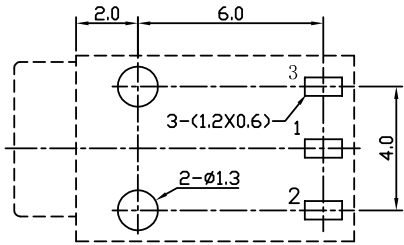
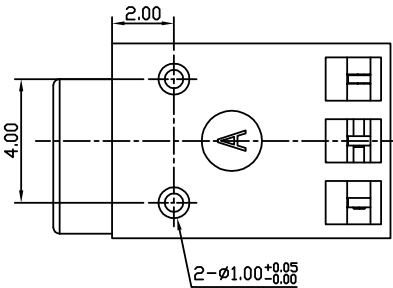
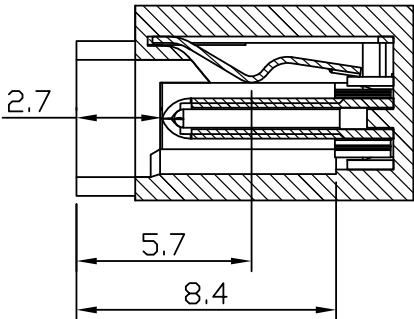
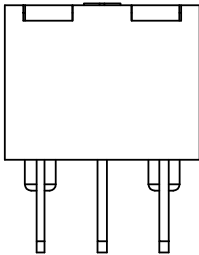
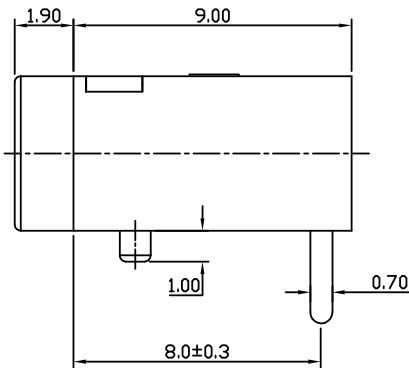
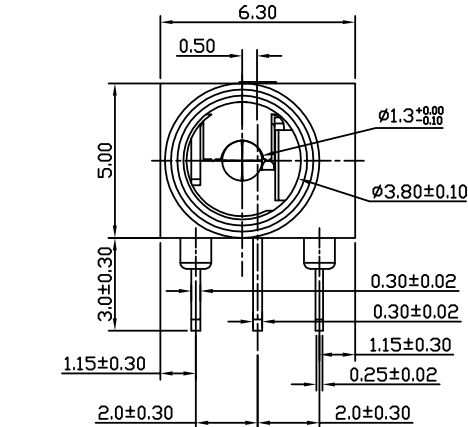
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

MECHANICAL DRAWING

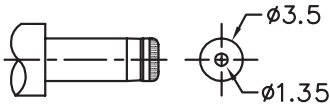
units: mm
tolerance:
X ±0.50 mm
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm
unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	silver
terminal 1	brass t=0.30	silver
terminal 2	bronze t=0.25	silver
terminal 3	brass t=0.30	silver
housing	PA66 [UL94V-0]	black
cover	PA66 [UL94V-0]	black



Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 8.4 mm

SCHEMATIC	
Model	PJ-040D
Center Pin	Ø1.3 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	added pin dimension	06/11/2008
1.02	applied new spec template	07/13/2015
1.03	increased voltage rating	05/03/2016
1.04	changed terminal plating to silver	02/13/2019
1.05	brand update	10/23/2019
1.06	logo, datasheet style update	08/05/2022
1.07	product reengineered for improved manufacturability and production yield, see PCN for details	12/15/2022
1.08	updated tolerance	08/07/2023
1.09	product reengineered for improved manufacturability and production yield, see PCN for details	05/21/2024
1.10	added dimensions to drawings	08/01/2024
1.11	CUI Devices rebranded to Same Sky	09/12/2024
1.12	product reengineered for improved manufacturability and production yield, see PCN for details	11/19/2025
1.13	corrected material detail	02/12/2026

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.

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