

**MODEL:** PJ-083AH | **DESCRIPTION:** DC POWER JACK**FEATURES**

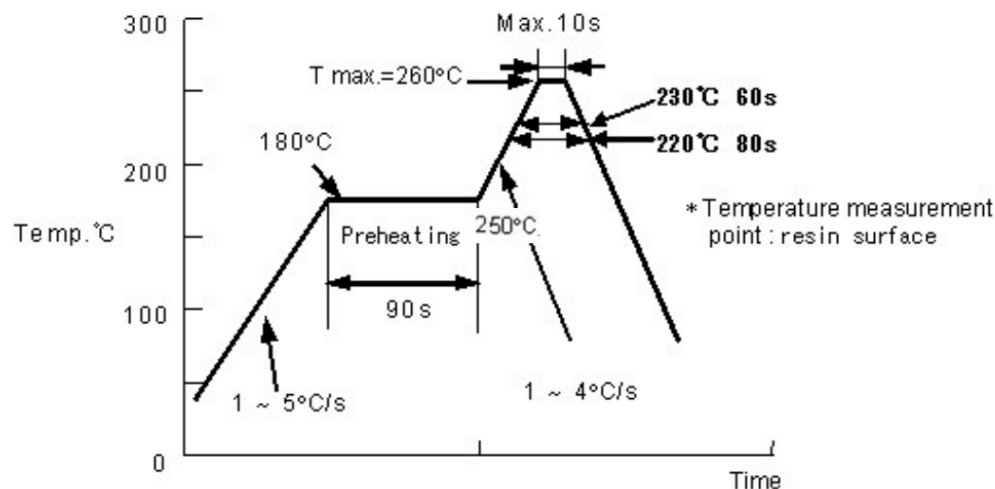
- 2.0 mm center pin
- 5 A rating
- shielded
- through hole
- 1 switch

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ 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		85	°C
life	at a rate of 10~20 cycles		5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

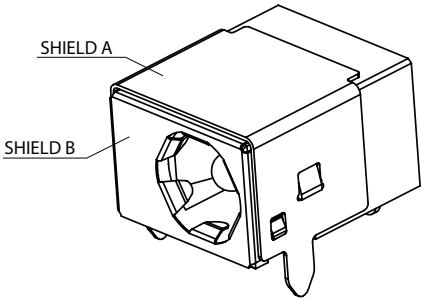
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	5~35°C, <75% humidity				°C
reflow soldering	see reflow profile			260	°C
drying conditions	bake at 120°C for 4 hours				

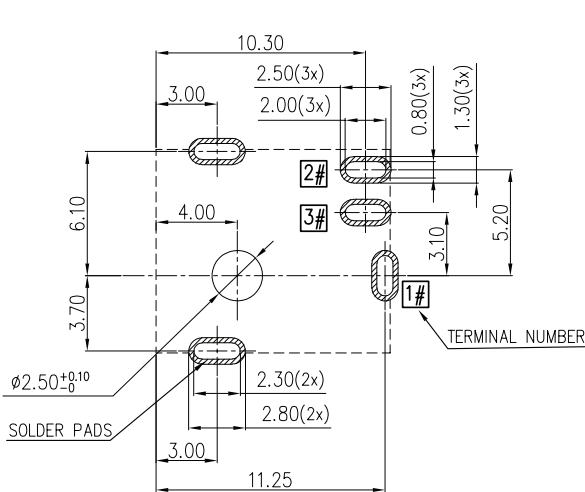
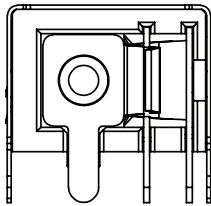
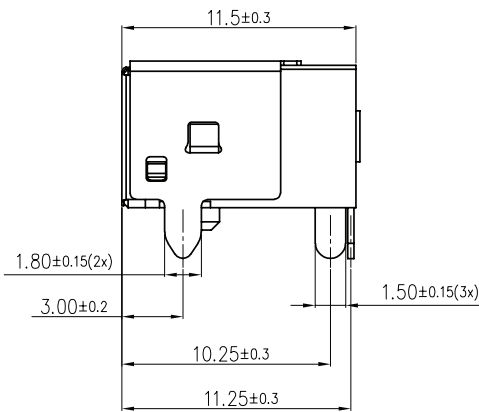
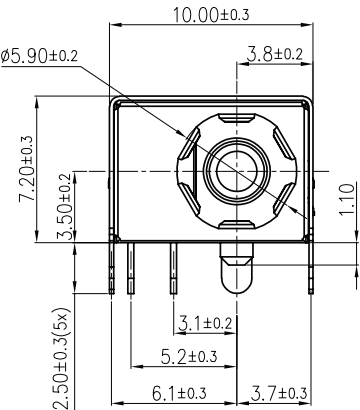


MECHANICAL DRAWING

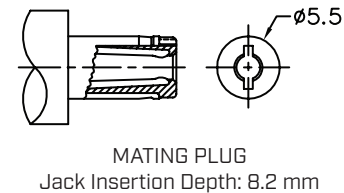
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm



DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper	nickel
terminal 1	brass	silver over nickel
terminal 2	copper alloy	silver over nickel
terminal 3	brass	silver over nickel
shield A	brass	---
shield B	stainless steel	---
insulator	PA10T (UL94V-0)	black



Recommended PCB Layout
Top View



SCHEMATIC	1 3 2
Model	PJ-083AH
Center Pin	Ø2.0 mm

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REVISION HISTORY

rev.	description	date
1.0	initial release	12/12/2018
1.01	brand update	10/30/2019
1.02	logo, datasheet style update	08/05/2022
1.03	product reengineered for improved manufacturability and production yield, see PCN for details	10/11/2023
1.04	CUI Devices rebranded to Same Sky	09/12/2024
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	09/19/2024

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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