CUI Devices is now Same Sky! Learn More

MODEL: PJ-083BH | DESCRIPTION: DC POWER JACK

FEATURES

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



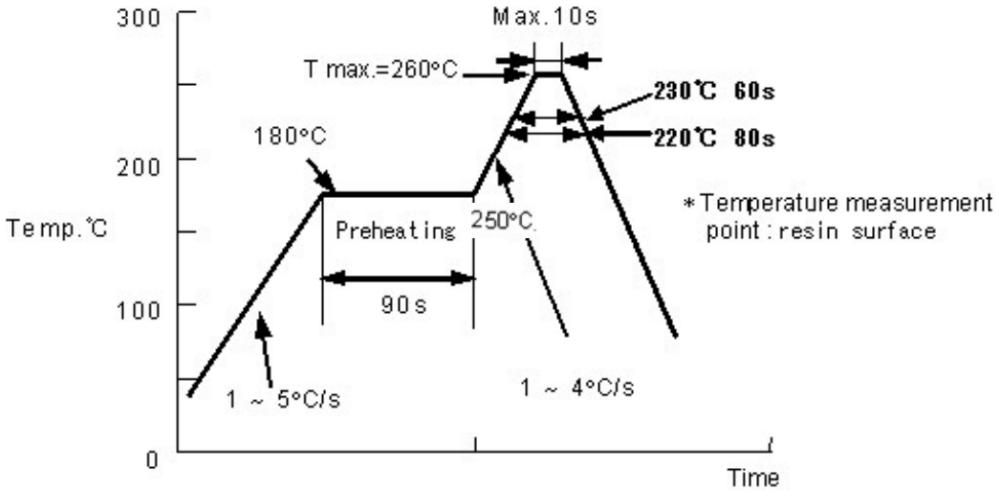
RoHS

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				

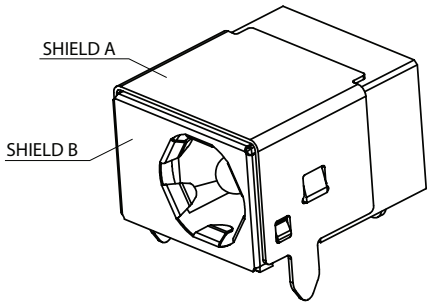
SOLDERABILITY

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				

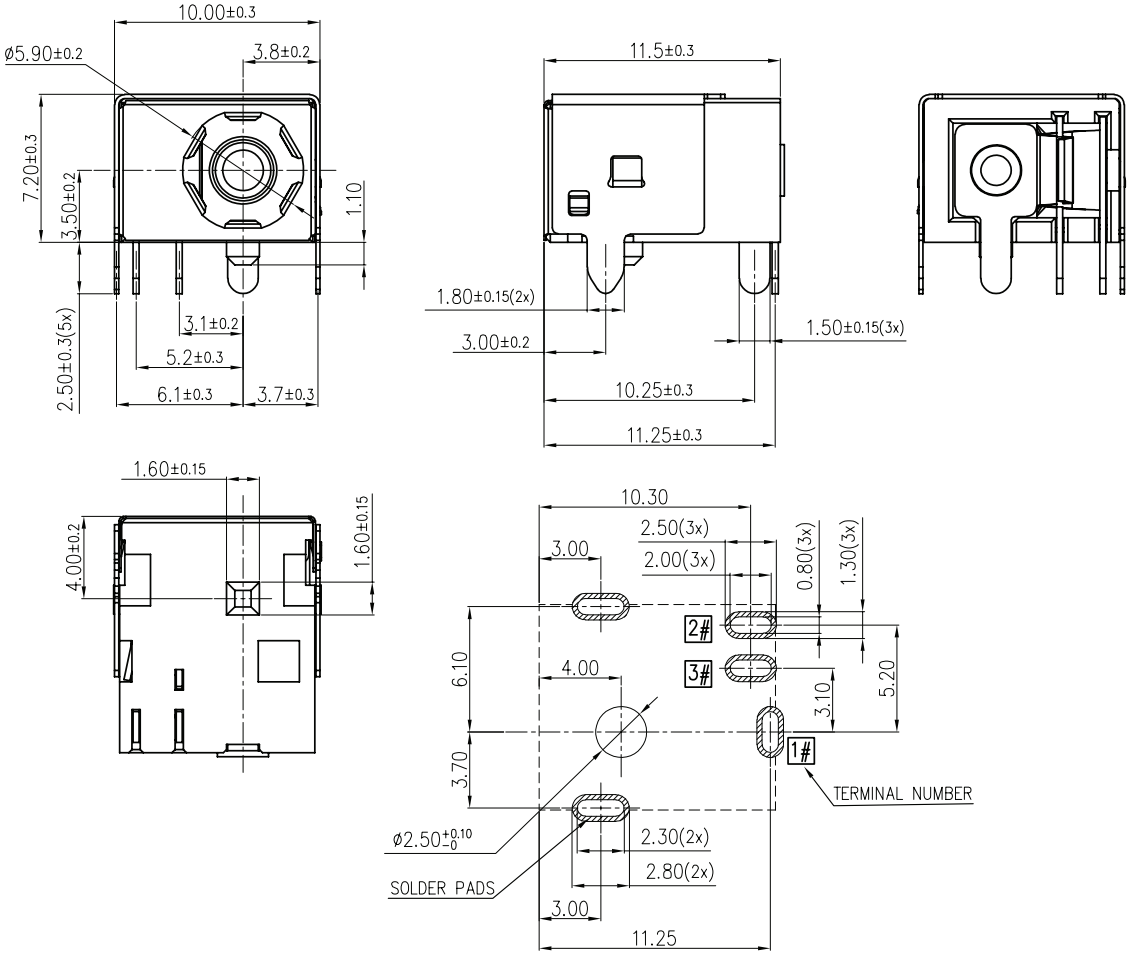


MECHANICAL DRAWING

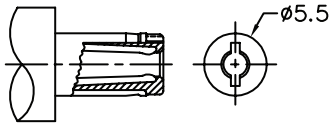
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm



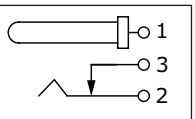
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper	nickel
terminal 1	brass	silver over nickel
terminal 2	copper alloy	silver over nickel
terminal 3	brass	silver over nickel
shield A	brass	---
shield B	stainless steel	---
insulator	PA10T (UL94V-0)	black



Recommended PCB Layout
Top View



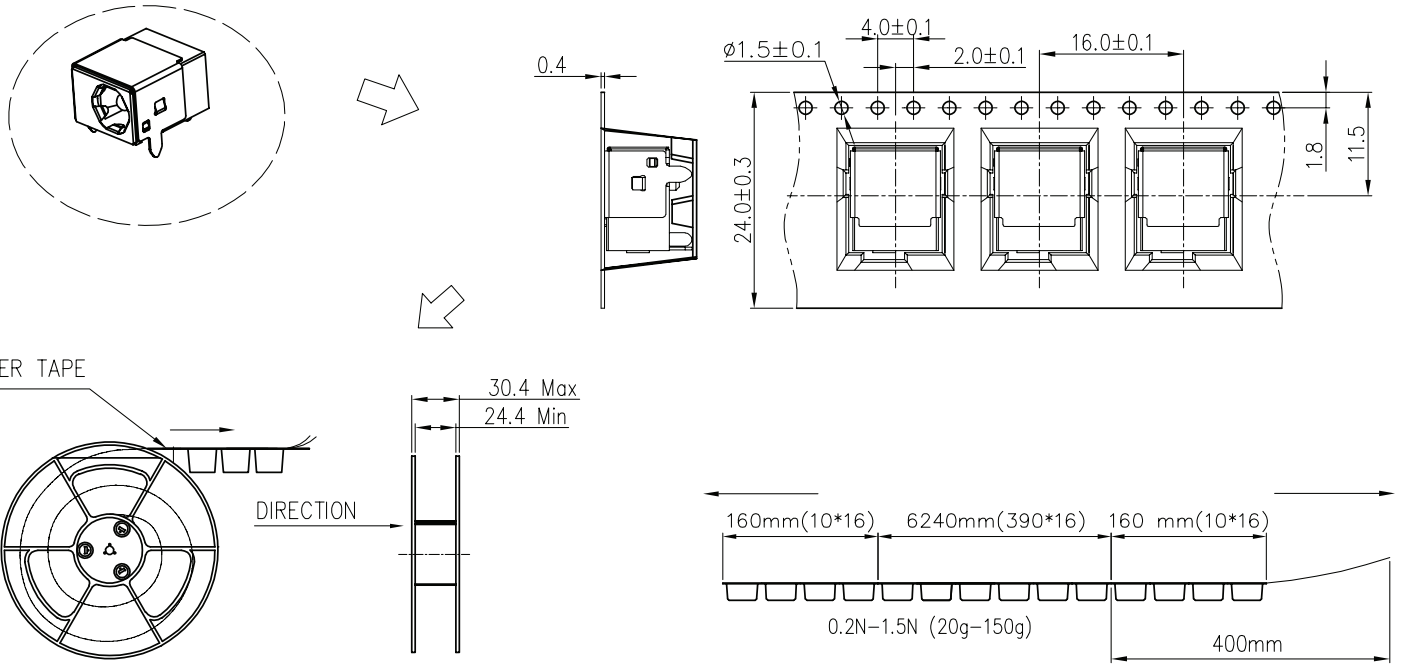
MATING PLUG
Jack Insertion Depth: 8.2 mm

SCHEMATIC	
Model	PJ-083BH
Center Pin	Ø2.5 mm

PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 390 pcs per reel



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

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

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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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