

**MODEL:** PJ-096H | **DESCRIPTION:** DC POWER JACK**FEATURES**

- 8 A rating
- shielded
- through hole
- 3 conductor
- signal pin

**SPECIFICATIONS**

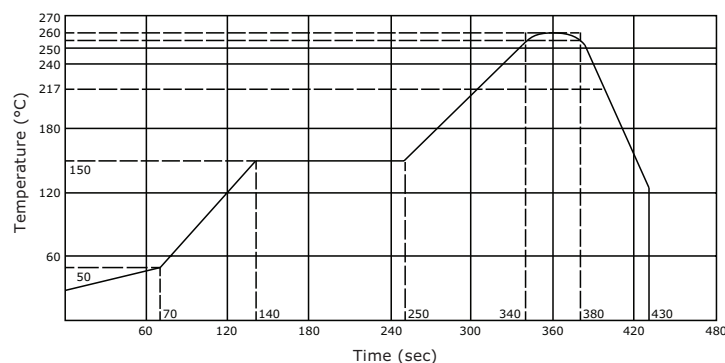
parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current	power pin			8.0	A
	signal pin			1.0	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ¹	see reflow profile	255	260	265	°C
drying conditions ²	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

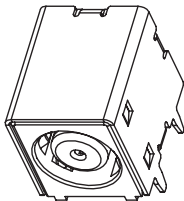
Note:

1. Same Sky recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <80%.
2. When exceeding floor life by >72 hours.

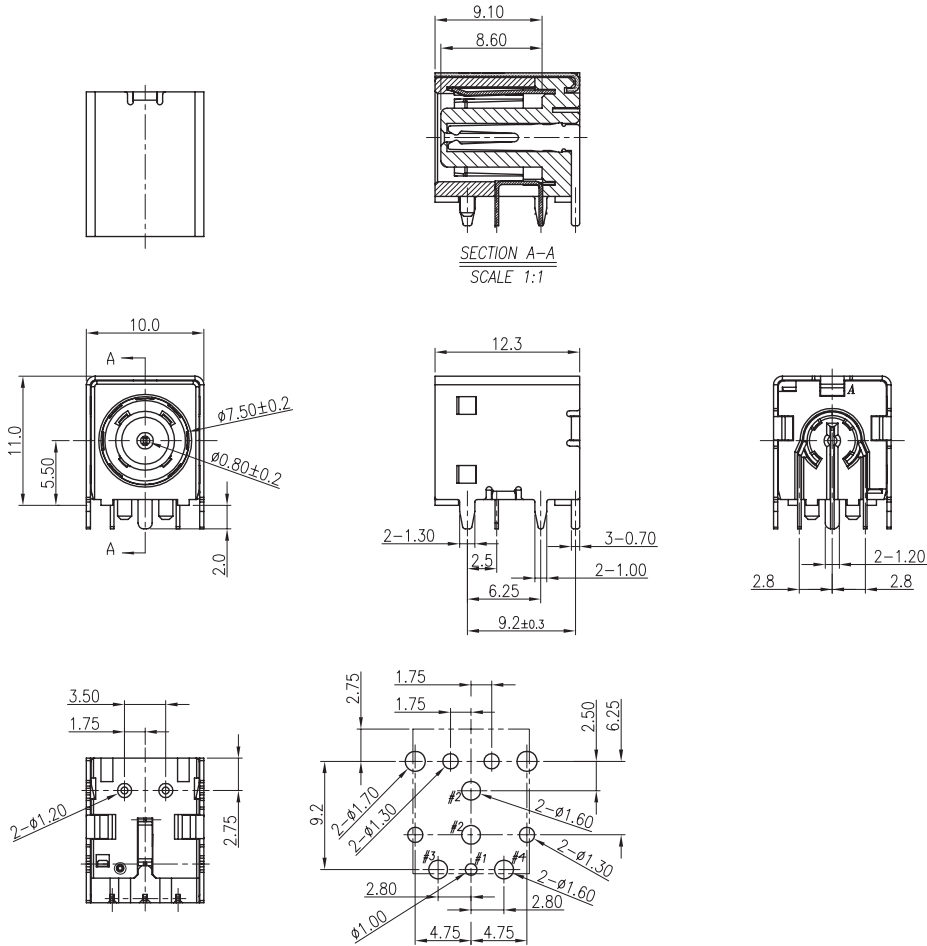


MECHANICAL DRAWING

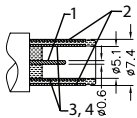
units: mm
tolerance:
X, ±0.50 mm
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm



DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	copper alloy t=0.30	gold flash over nickel
terminal 2	copper alloy t=0.30	gold flash over nickel
terminal 3	copper alloy t=0.30	gold flash over nickel
terminal 4	copper alloy t=0.30	gold flash over nickel
shield	brass t=0.35	nickel
insulator	LCP (UL94V-0)	black



Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 9.1 mm

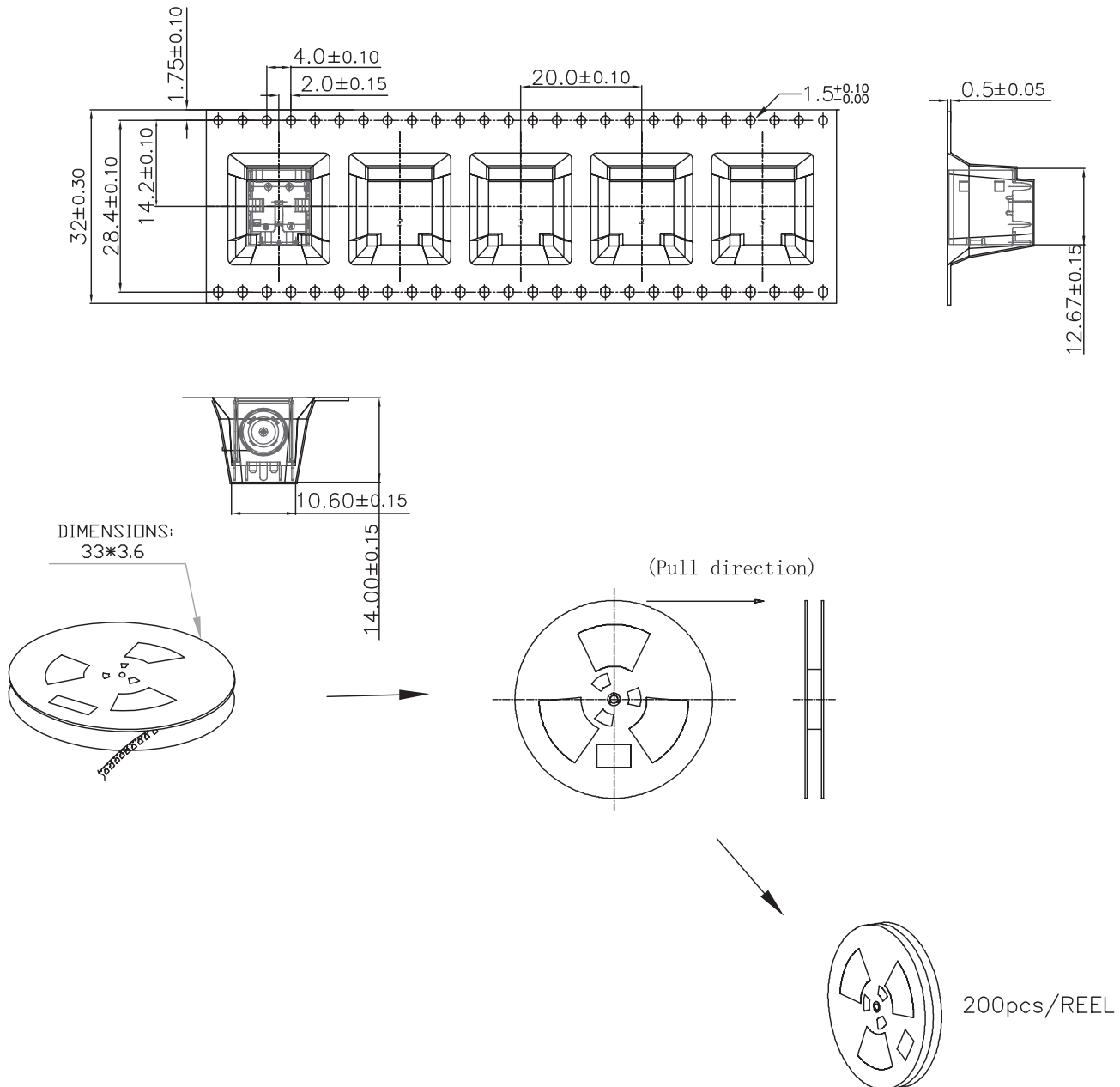
SCHEMATIC	
	4 (V+)
	3
	1(S)
	2(V-)
Model	PJ-096H
terminal 1	signal pin
terminal 2	outer sleeve
terminal 3	inner sleeve
terminal 4	inner sleeve

PACKAGING

units: mm

Reel Size: $\varnothing 330$ mm

Reel QTY: 200 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	12/17/2018
1.01	brand update	11/06/2019
1.02	logo, datasheet style update	08/05/2022
1.03	product reengineered for improved manufacturability and production yield, see PCN for details	01/18/2023
1.04	CUI Devices rebranded to Same Sky	09/12/2024
1.05	updated datasheet	11/05/2024

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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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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