same sky

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

FEATURES

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

RoHS

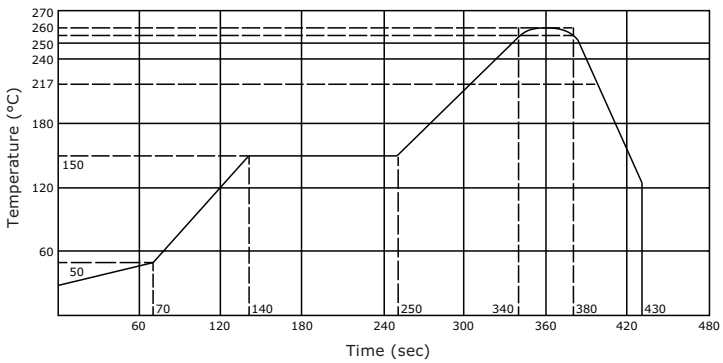
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current	power pin signal pin			8.0 1.0	A 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

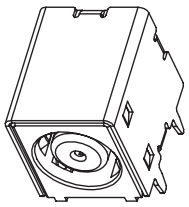
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering[1]	see reflow profile	255	260	265	°C
drying conditions[2]	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

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.

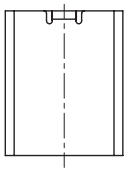


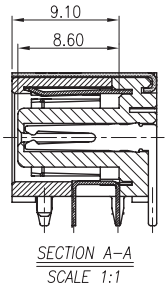
MECHANICAL DRAWING

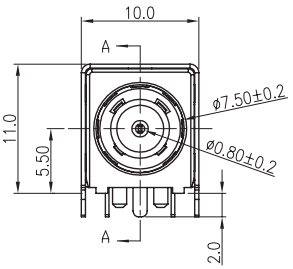
units: mm
tolerance:
X. ±0.50 mm
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm

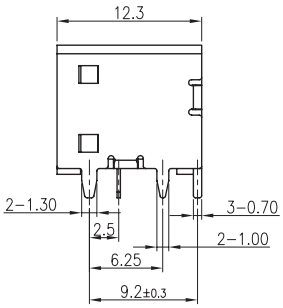


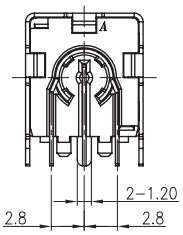
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	copper alloy t=0.30	gold flash over nickel
terminal 2	copper alloy t=0.30	gold flash over nickel
terminal 3	copper alloy t=0.30	gold flash over nickel
terminal 4	copper alloy t=0.30	gold flash over nickel
shield	brass t=0.35	nickel
insulator	LCP (UL94V-0)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

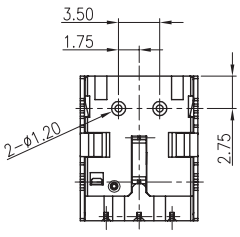


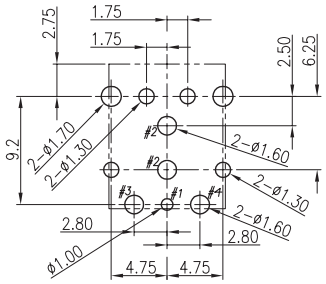




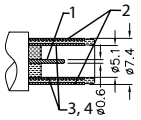




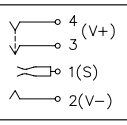




Recommended PCB Layout
Top View



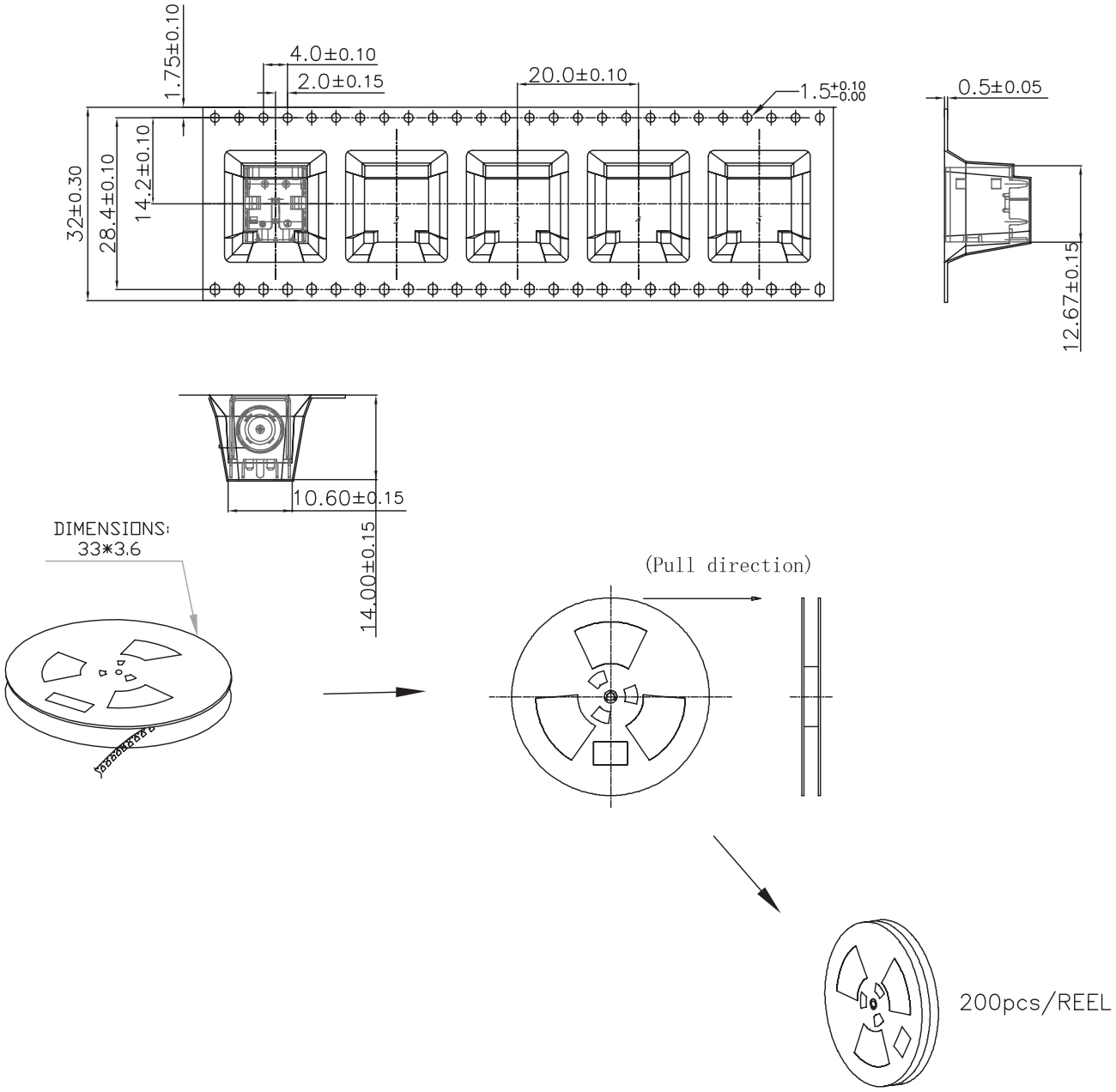
MATING PLUG
Jack Insertion Depth: 9.1 mm

SCHEMATIC	
Model	PJ-096H
terminal 1	signal pin
terminal 2	outer sleeve
terminal 3	inner sleeve
terminal 4	inner sleeve

PACKAGING

units: mm

Reel Size: Ø330 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.