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MODEL: PJ-070BH-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

- 2.5 mm center pin
- 5.0 A rating
- vertical orientation
- surface mount (SMT)

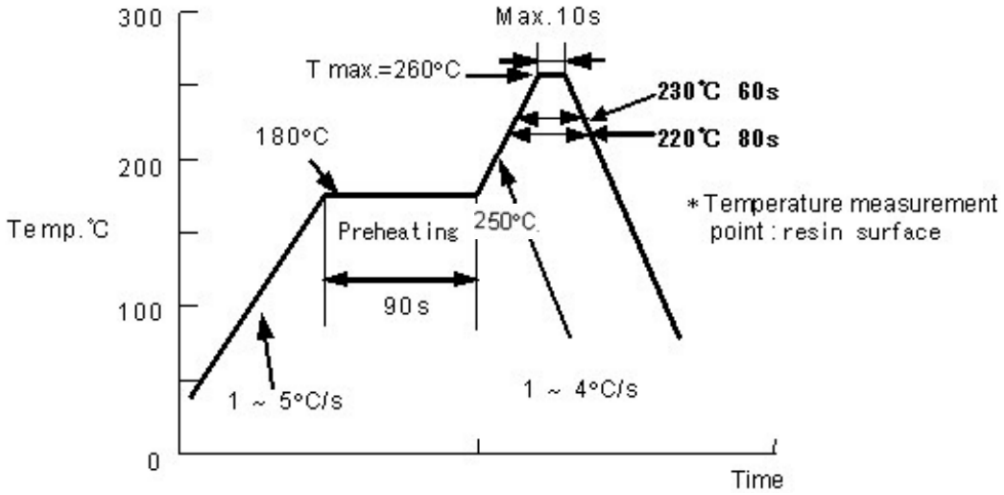
RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	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
storage temperature		-40		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

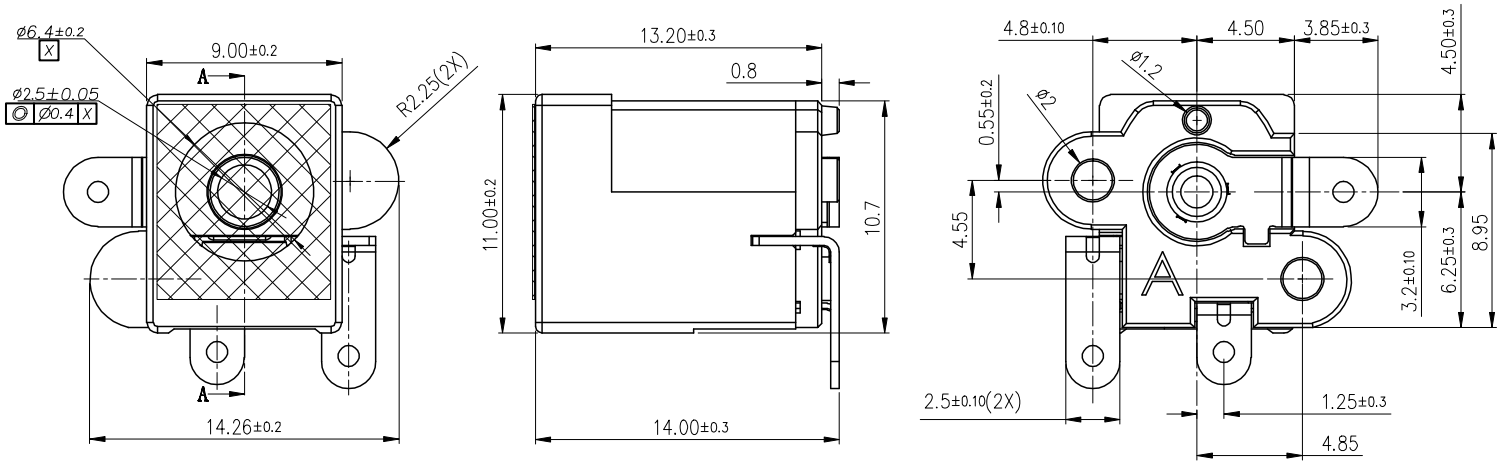
parameter	conditions/description	min	typ	max	units
reel storage	5~35°C, <75% humidity				°C
reflow soldering	see reflow profile			260	°C
drying conditions	bake at 120°C for 4 hours				

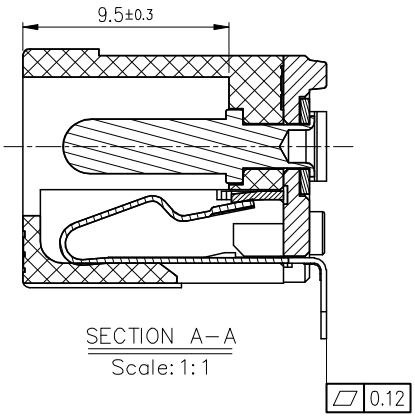


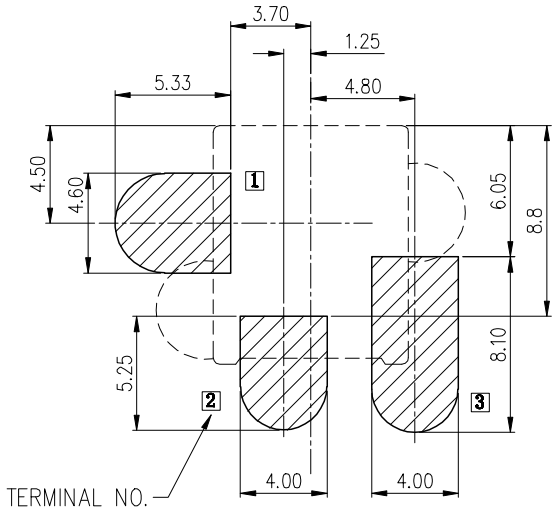
MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.50 mm
X.XX ±0.30 mm
X.XXX ±0.15 mm
PCB: ±0.05 mm
unless otherwise specified

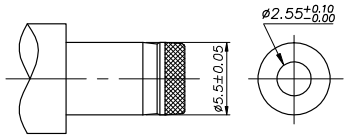
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper alloy	nickel
terminal 1	copper alloy	tin
terminal 2	copper alloy	tin
terminal 3	copper alloy	tin
housing	PA10T (UL94V-0)	black
cover	PA10T (UL94V-0)	black
tape	mylar	



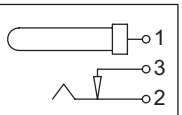




Recommended PCB Layout
Top View



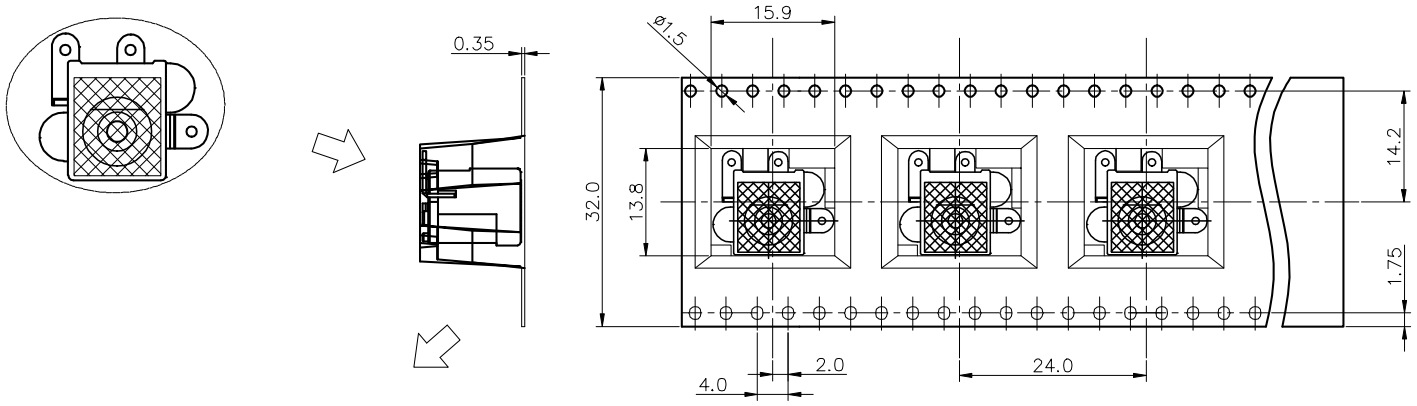
MATING PLUG
Jack Insertion Depth: 9.5 mm

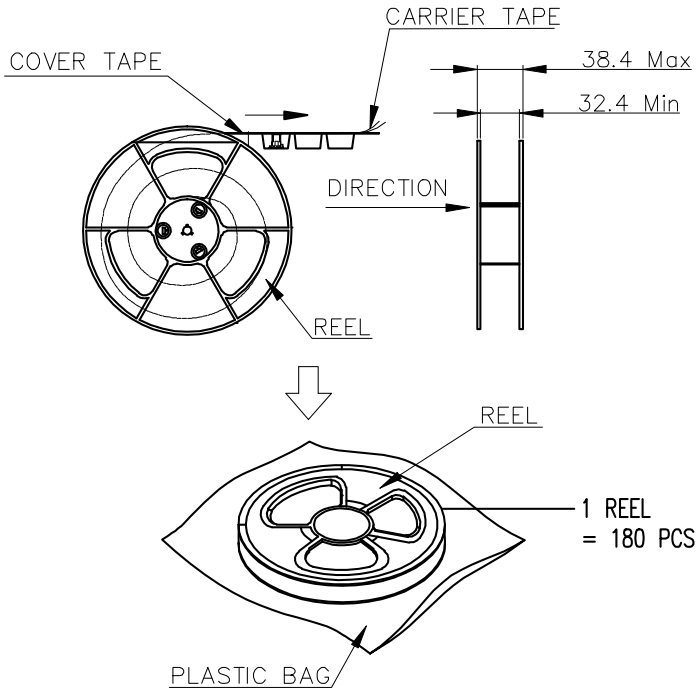
SCHEMATIC	
Model	PJ-070BH-SMT
Center Pin	Ø2.5 mm

PACKAGING

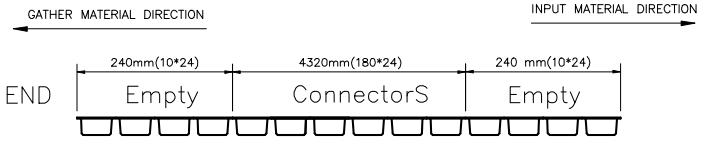
units: mm

Reel Size: Ø330 mm
Reel QTY: 180 pcs per reel





NOTE:
1.CARRIER TAPE PACKING LENGTH



2.PEELING FORCE: 0.2N–1.5N (20g–150g)

REVISION HISTORY

rev.	description	date
1.0	initial release	03/16/2012
1.01	updated features	06/15/2012
1.02	added TR package option	11/28/2012
1.03	updated spec	08/21/2013
1.04	increased voltage rating	04/14/2016
1.05	added storage and drying conditions, and tape and reel packaging details	10/19/2017
1.06	brand update	10/31/2019
1.07	logo, datasheet style update	08/05/2022
1.08	product reengineered for improved manufacturability and production yield, see PCN for details	04/11/2023
1.09	CUI Devices rebranded to Same Sky	09/12/2024
1.10	product reengineered for improved manufacturability and production yield, see PCN for details	12/10/2025

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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