

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

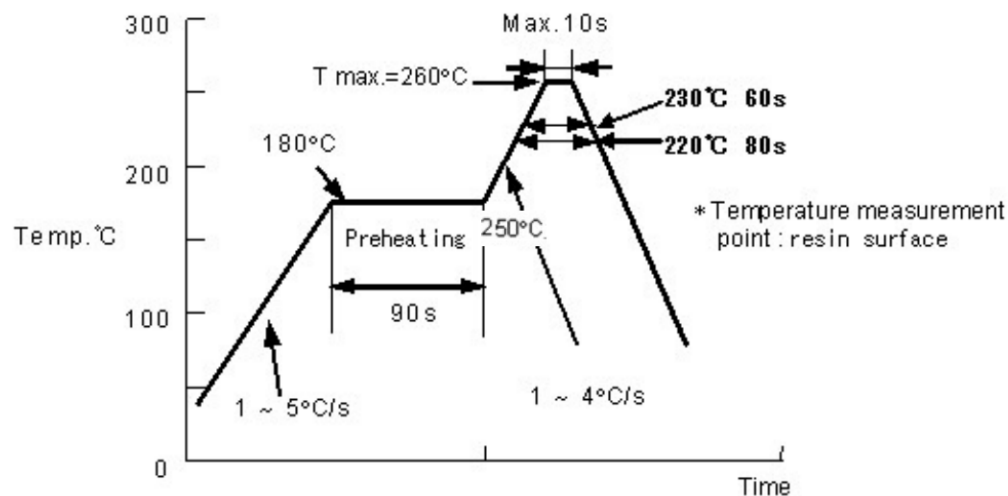
- 2.5 mm center pin
- 5.0 A rating
- vertical orientation
- surface mount (SMT)

**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

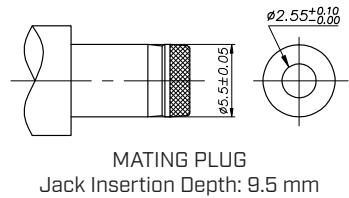
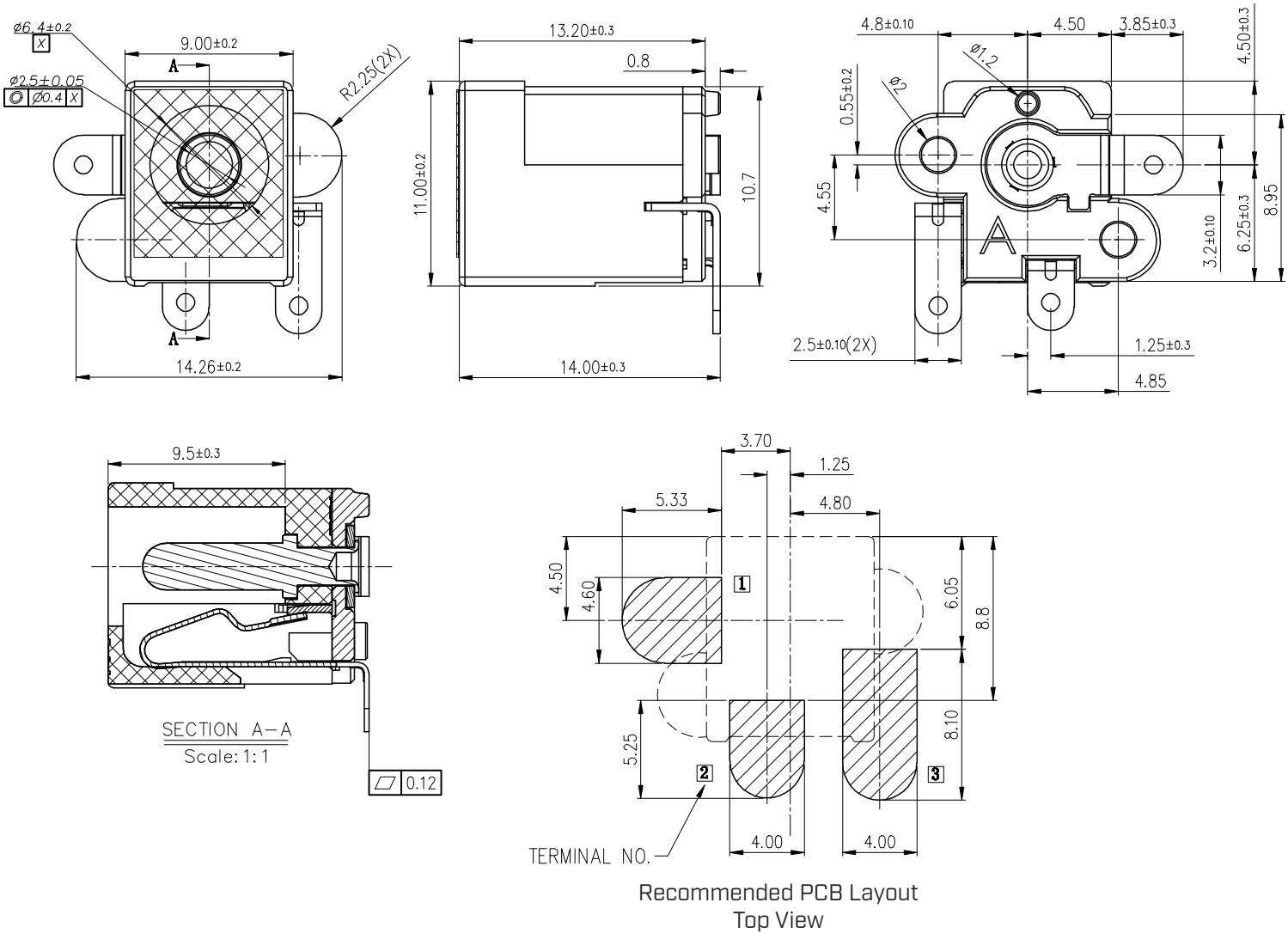
parameter	conditions/description	min	typ	max	units
reel storage	5~35°C, <75% humidity				°C
reflow soldering	see reflow profile			260	°C
drying conditions	bake at 120°C for 4 hours				



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	



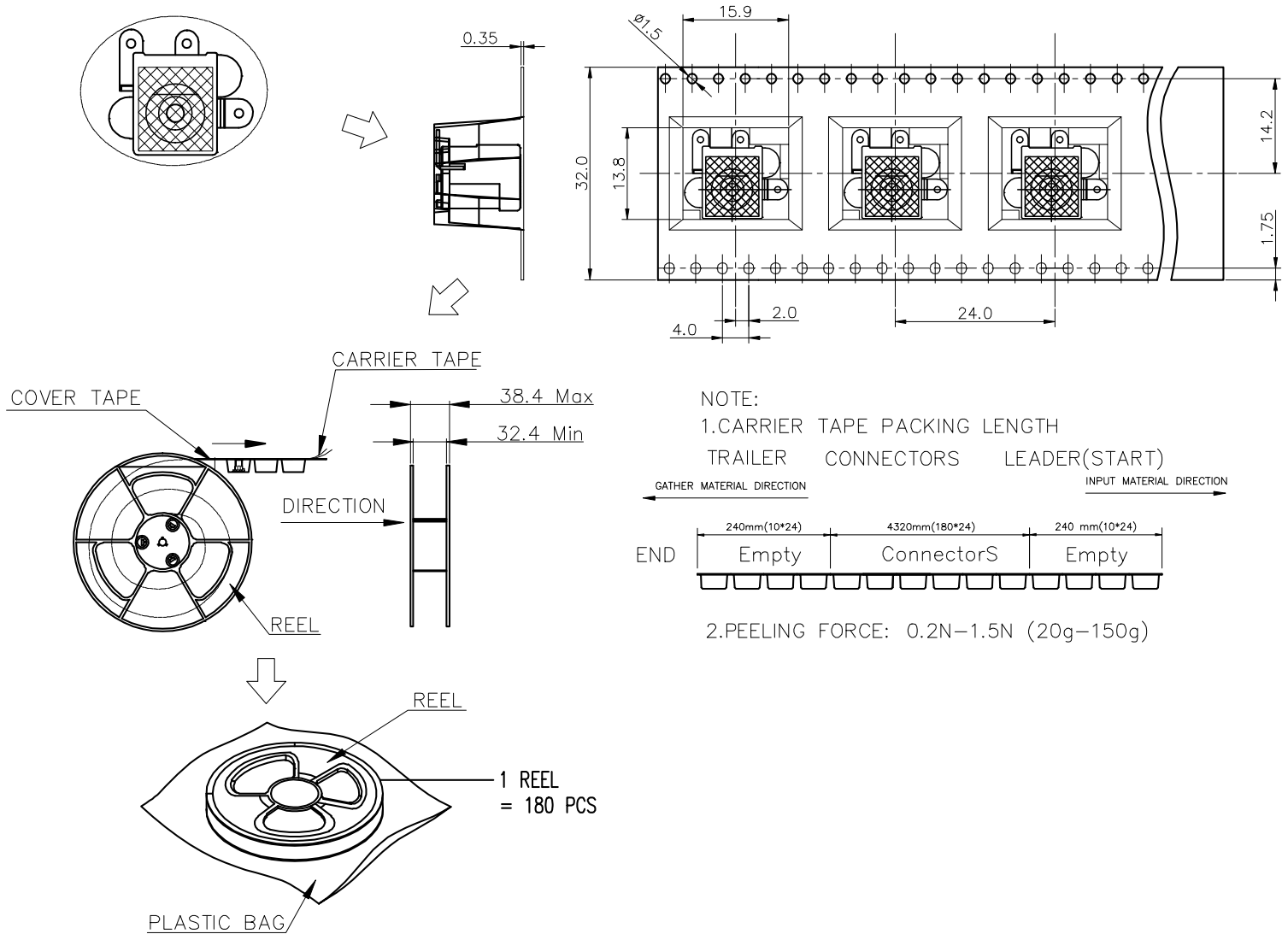
SCHEMATIC	
Model	PJ-070BH-SMT
Center Pin	$\phi 2.5$ mm

PACKAGING

units: mm

Reel Size: $\varnothing 330$ mm

Reel QTY: 180 pcs per reel



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 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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