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MODEL: PJ-107AH-MSMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

- 2.0 mm center pin
- reflow solder
- tape & reel packaging

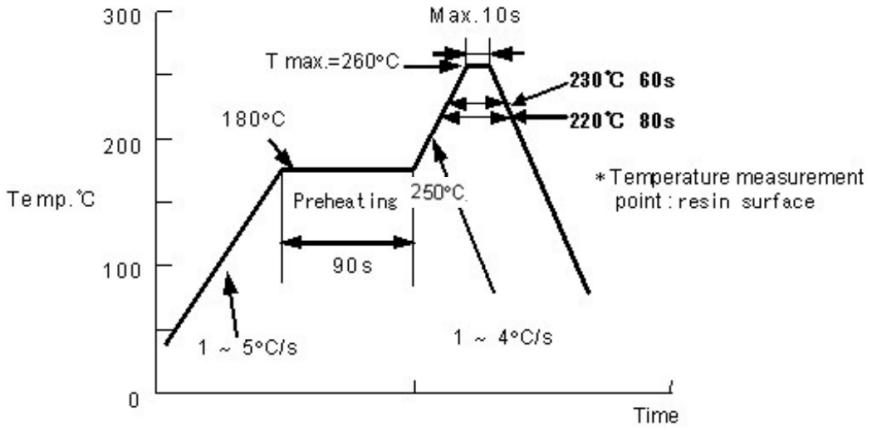
RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current				7	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		-20		70	°C
storage temperature		-40		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

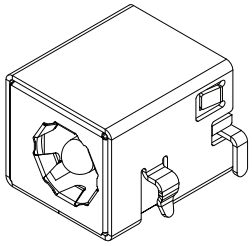
SOLDERABILITY

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				

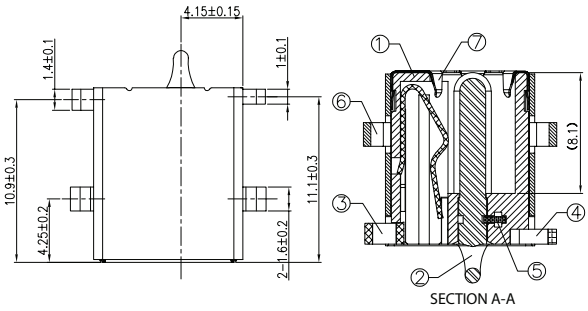


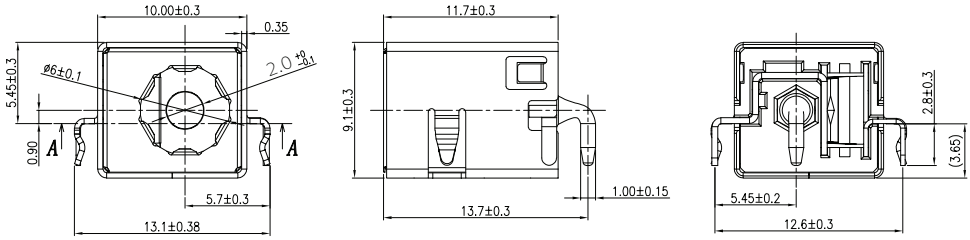
MECHANICAL DRAWING

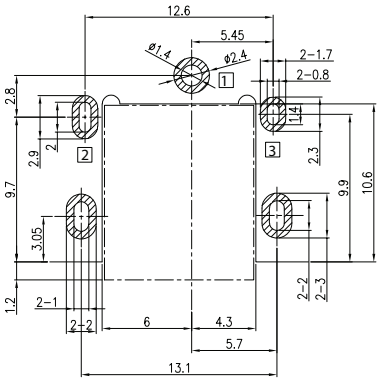
units: mm
tolerance: ±0.30 mm
PCB: ±0.05 mm
unless otherwise specified
PCB thickness: 1.6 mm



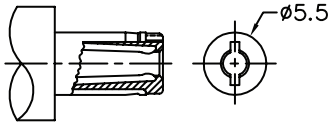
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PA10T (UL94V-0)	black
2	terminal 1	zinc alloy	nickel
3	terminal 2	phosphor bronze t=0.30	silver
4	terminal 3	brass t=0.40	silver
5	terminal	brass t=0.40	---
6	shield	brass t=0.35	nickel
7	ground terminal	stainless steel t=0.10	---



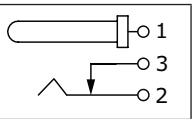




Recommended PCB Layout
Top View



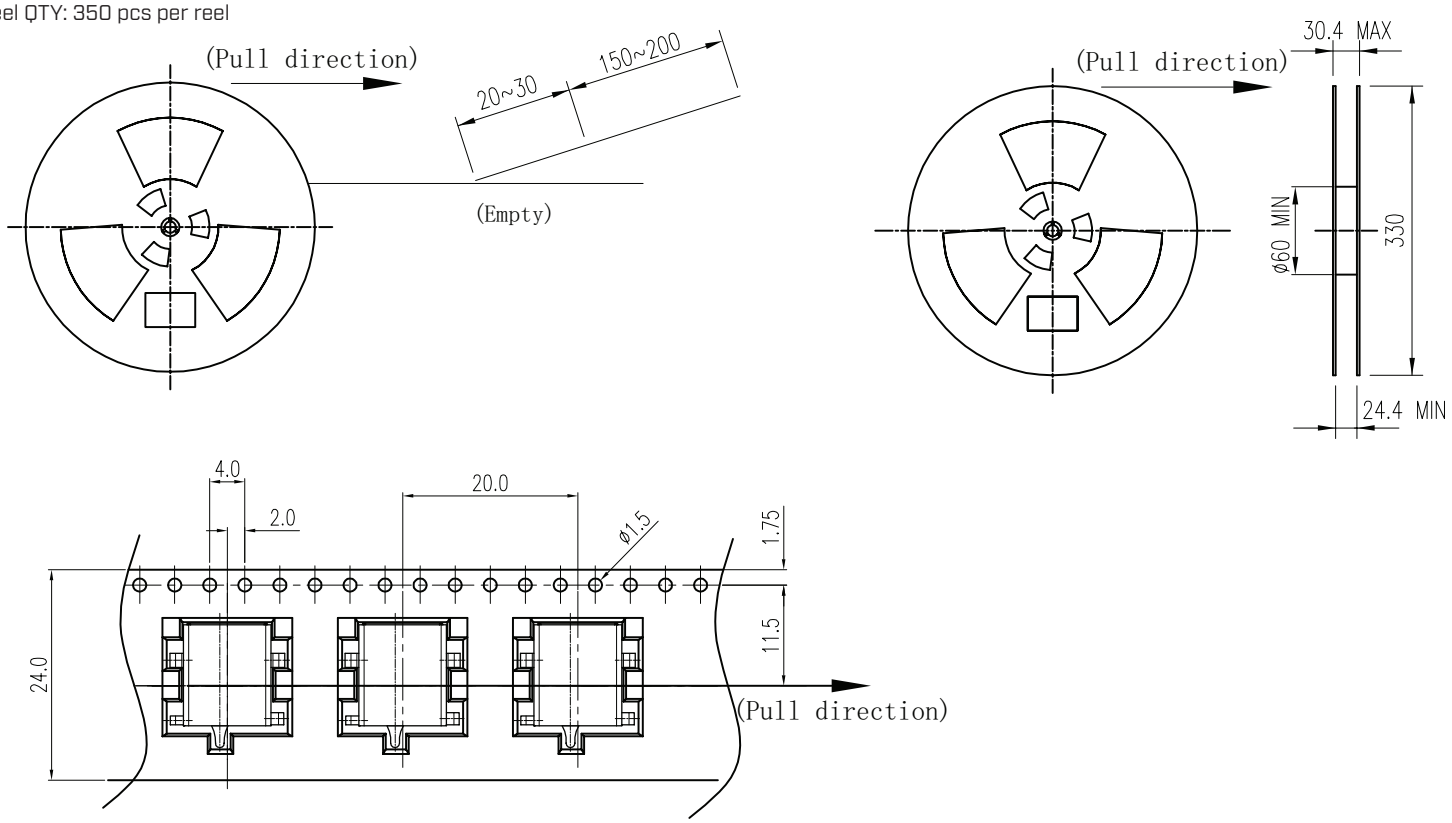
MATING PLUG
Jack Insertion Depth: 8.1 mm

Schematic	
Model	PJ-107AH-MSMT-TR
Center Pin	Ø2.0 mm

PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 350 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	09/25/2024

The revision history provided is for informational purposes only and is believed to be accurate.

same sky

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