Additional Resources: Product Page



date 09/25/2024

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

FEATURES

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



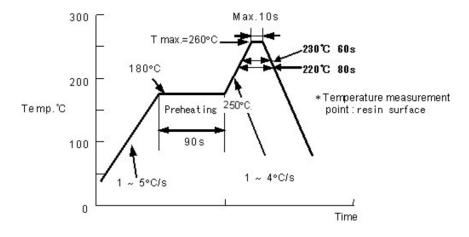


SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current				7	А
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			МΩ
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				

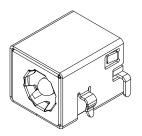


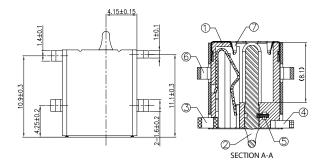
MECHANICAL DRAWING

units: mm tolerance: ±0.30 mm

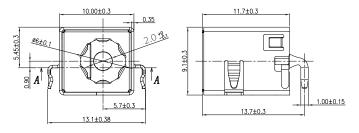
PCB: ±0.05 mm

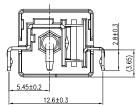
unless otherwise specified PCB thickness: 1.6 mm

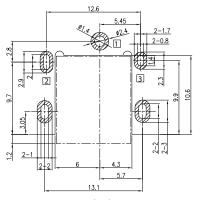




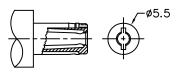
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PA10T (UL94V-0)	black
2	terminal 1	zinc alloy	nickel
3	terminal 2	phosphor bronze t=0.30	silver
4	terminal 3	brass t=0.40	silver
5	terminal	brass t=0.40	
6	shield	brass t=0.35	nickel
7	ground terminal	stainless steel t=0.10	







Recommended PCB Layout Top View



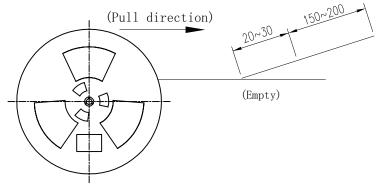
MATING PLUG Jack Insertion Depth: 8.1 mm

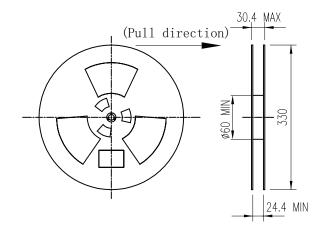
Schematic	01	
Model	PJ-107AH-MSMT-TR	
Center Pin	Ø2.0 mm	

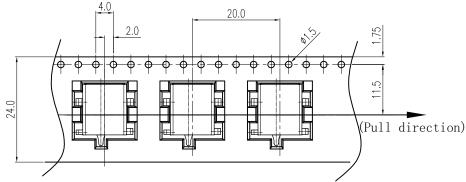
PACKAGING

units: mm

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







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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 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.