



MODEL: PJ-103H-MSMT-TR | **DESCRIPTION:** DC POWER JACK

FEATURES

- 3 conductor with signal pin
- reflow solder
- tape & reel packaging

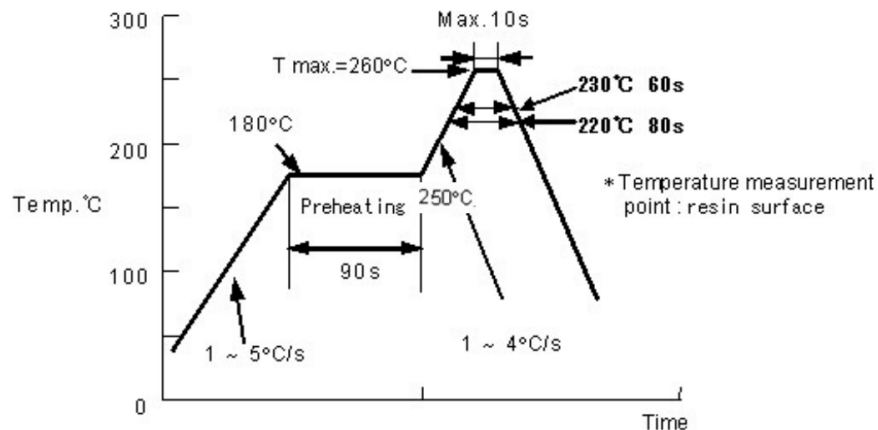


SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			42		Vdc
rated input current	power pin signal pin			10 3	A A
contact resistance				50	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				

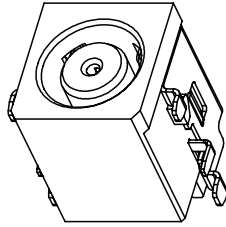
SOLDERABILITY

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				

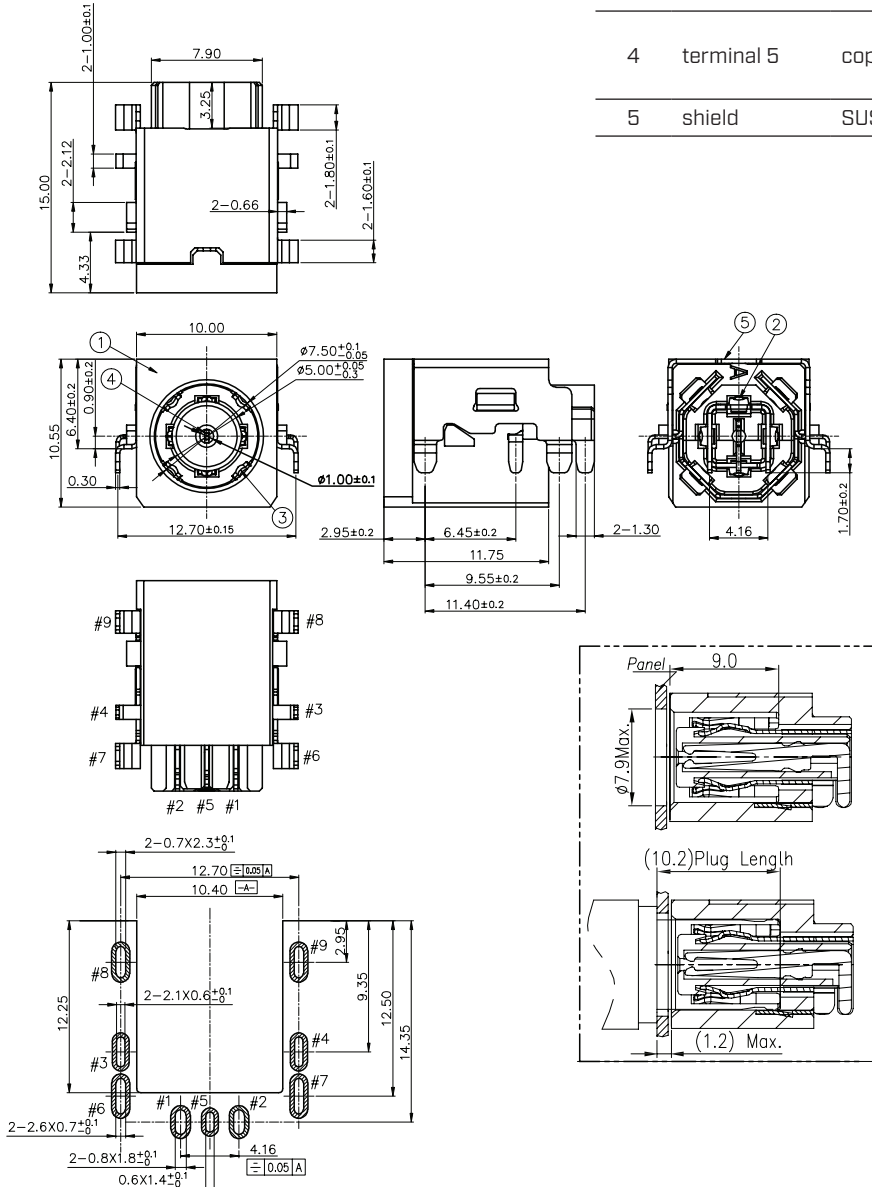


MECHANICAL DRAWING

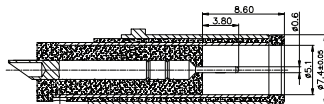
units: mm
 tolerance:
 X. ±0.50 mm
 X.X ±0.25 mm
 X.XX ±0.15 mm
 X.XXX ±0.10 mm
 PCB: ±0.05 mm
 unless otherwise specified
 PCB thickness: 1.4 mm



ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PA10T [UL94V-0]	black
2	terminal 1 & 2	copper alloy t=0.30	contact area: 3 μ" gold solder area: tin over nickel
3	terminal 3 & 4	copper alloy t=0.25	contact area: 3 μ" gold solder area: tin over nickel
4	terminal 5	copper alloy t=0.30	contact area: 3 μ" gold solder area: tin over nickel
5	shield	SUS 304 t=0.30	nickel



Recommended PCB Layout
 Top View



MATING PLUG
 Jack Insertion Depth: 9.0 mm

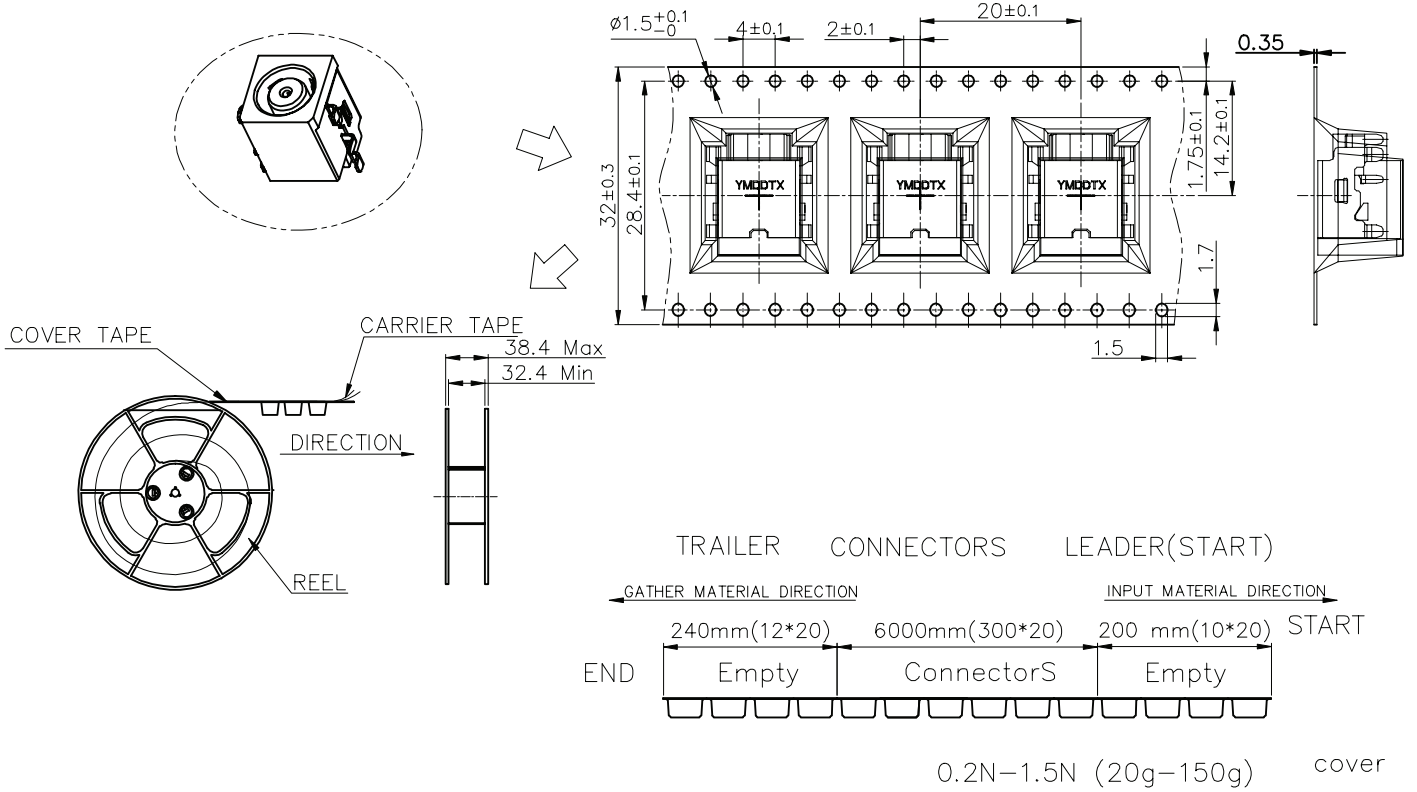
Schematic		① 1& 2 (V+)
		⑤ 5 (S)
		③ 3 & 4 (V-)
Model	PJ-103H-MSMT-TR	
terminals 1 & 2	V+	
terminals 3 & 4	V-	
terminal 5	signal pin	

PACKAGING

units: mm

Reel Size: $\varnothing 330$ mm

Reel QTY: 300 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	09/23/2024

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



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