

**MODEL:** PJ-105BH-MSMT-TR | **DESCRIPTION:** DC POWER JACK**FEATURES**

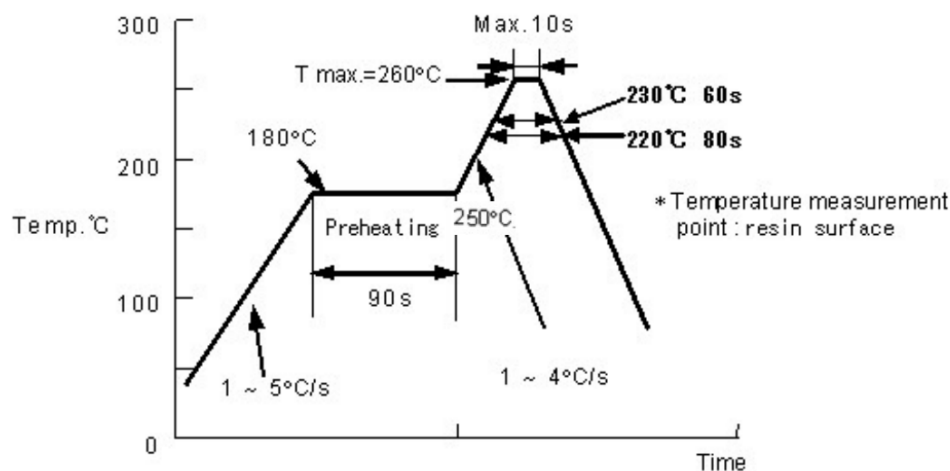
- 2.5 mm center pin
- reflow solder
- tape & reel packaging

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current				12	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		1		3	kg
operating temperature		-20		70	°C
storage temperature		-40		85	°C
life			10,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

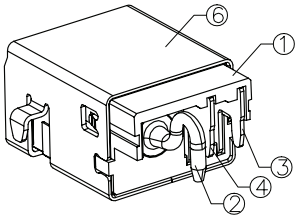
SOLDERABILITY

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				

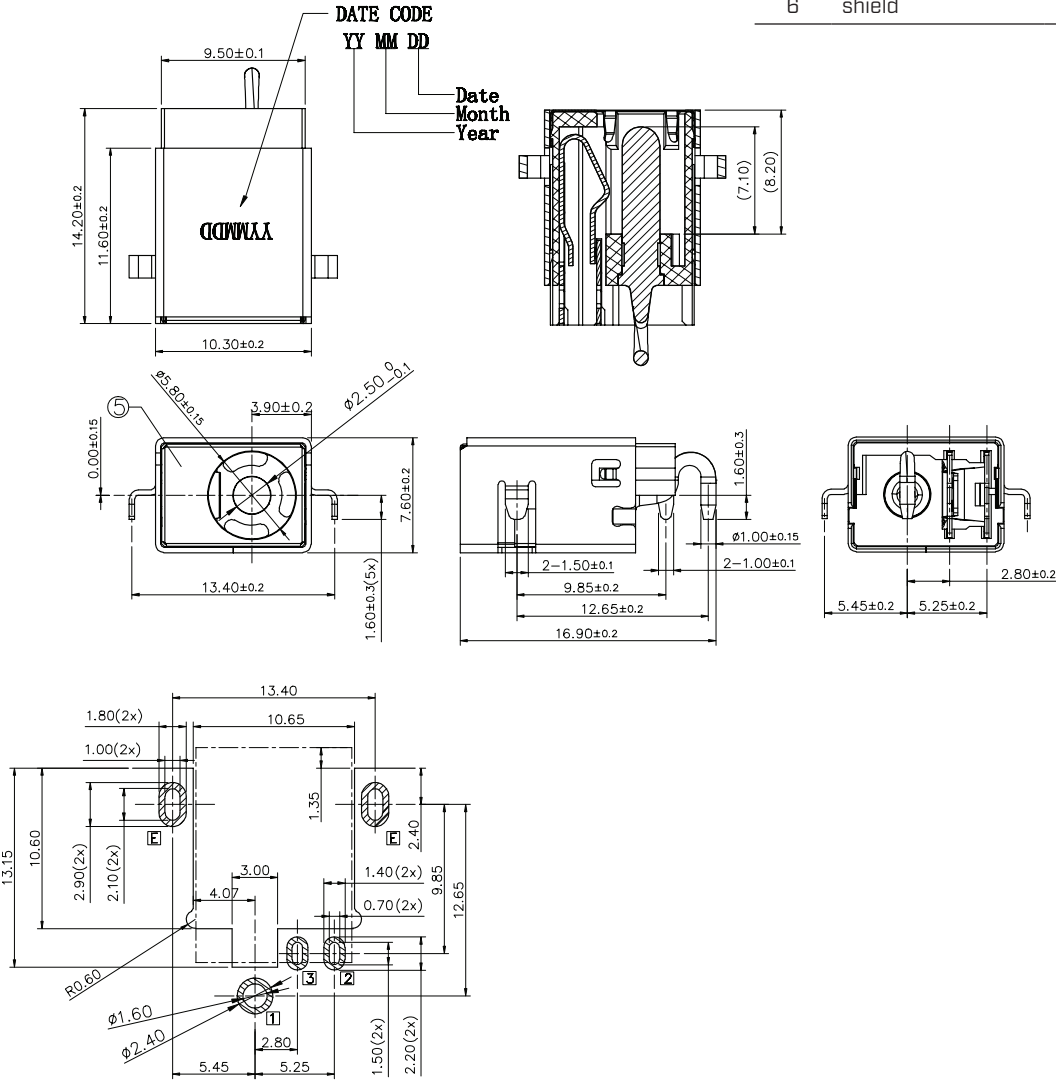


MECHANICAL DRAWING

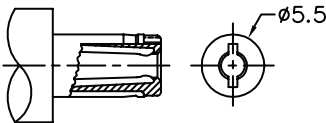
units: mm
tolerance:
X.X: ±0.38 mm
X.XX ±0.30 mm
X.XXX: ±0.15 mm
PCB: ±0.05 mm
unless otherwise specified
PCB thickness: 1.3 mm



ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	LCP [UL94V-0]	black
2	terminal 1	brass	gold flash over nickel
3	terminal 2	C5210-EH t=0.30	gold flash
4	terminal 3	C2680-H t=0.30	gold flash
5	ground	SUS301-H t=0.10	---
6	shield	C2680-H t=0.35	1 μm nickel



Recommended PCB Layout
Top View



MATING PLUG
Jack Insertion Depth: 8.2 mm

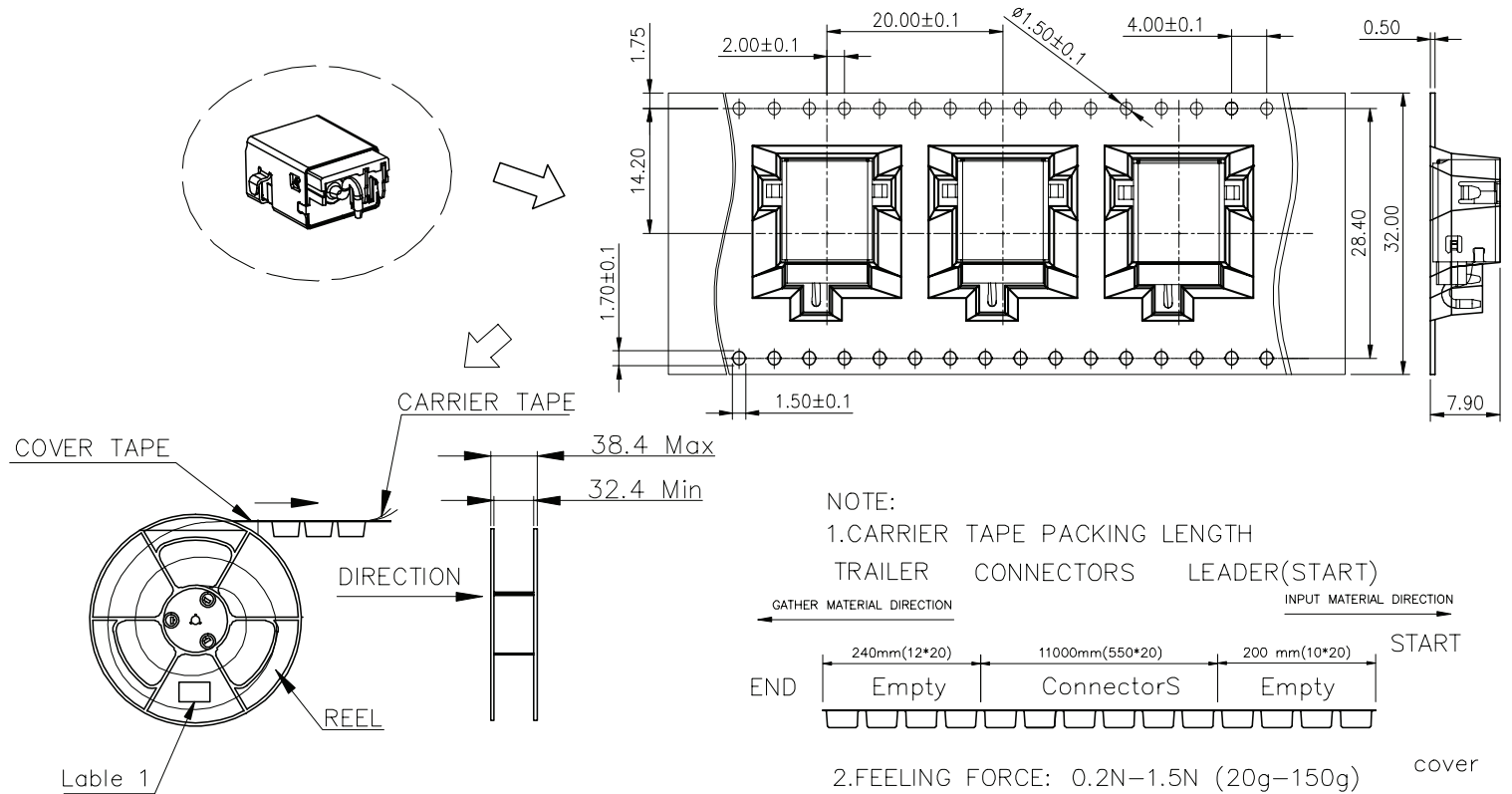
Schematic	
Model	PJ-105BH-MSMT-TR
Center Pin	Ø2.5 mm

PACKAGING

units: mm

Reel Size: $\varnothing 380$ mm

Reel QTY: 550 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.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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