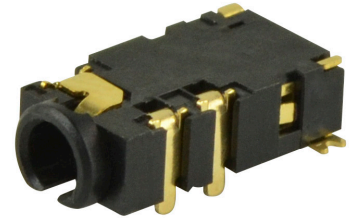


**SERIES:** SJ2-25504B-SMT-TR | **DESCRIPTION:** AUDIO JACK**FEATURES**

- gold flash terminal plating
- low profile design
- tip switch
- surface mount
- suitable for medical applications

**SPECIFICATIONS**

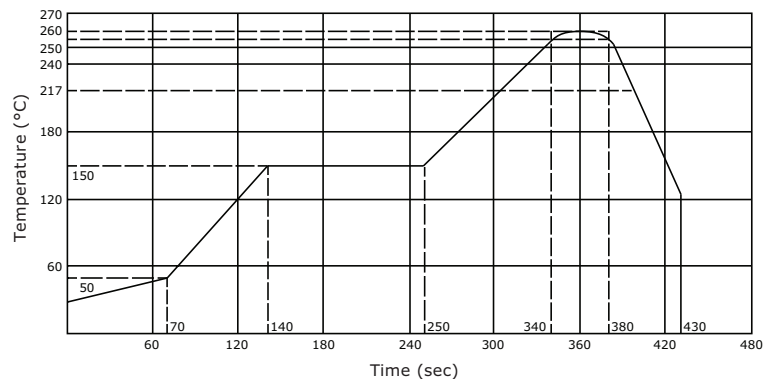
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

Note: 1. When measured at a current of less than 100 mA/1 kHz  
 2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

**SOLDERABILITY**

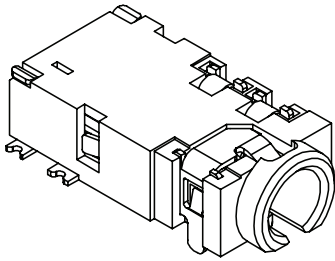
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>3</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>4</sup>	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

Note: 3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.  
 4. When exceeding floor life by >72 hours.

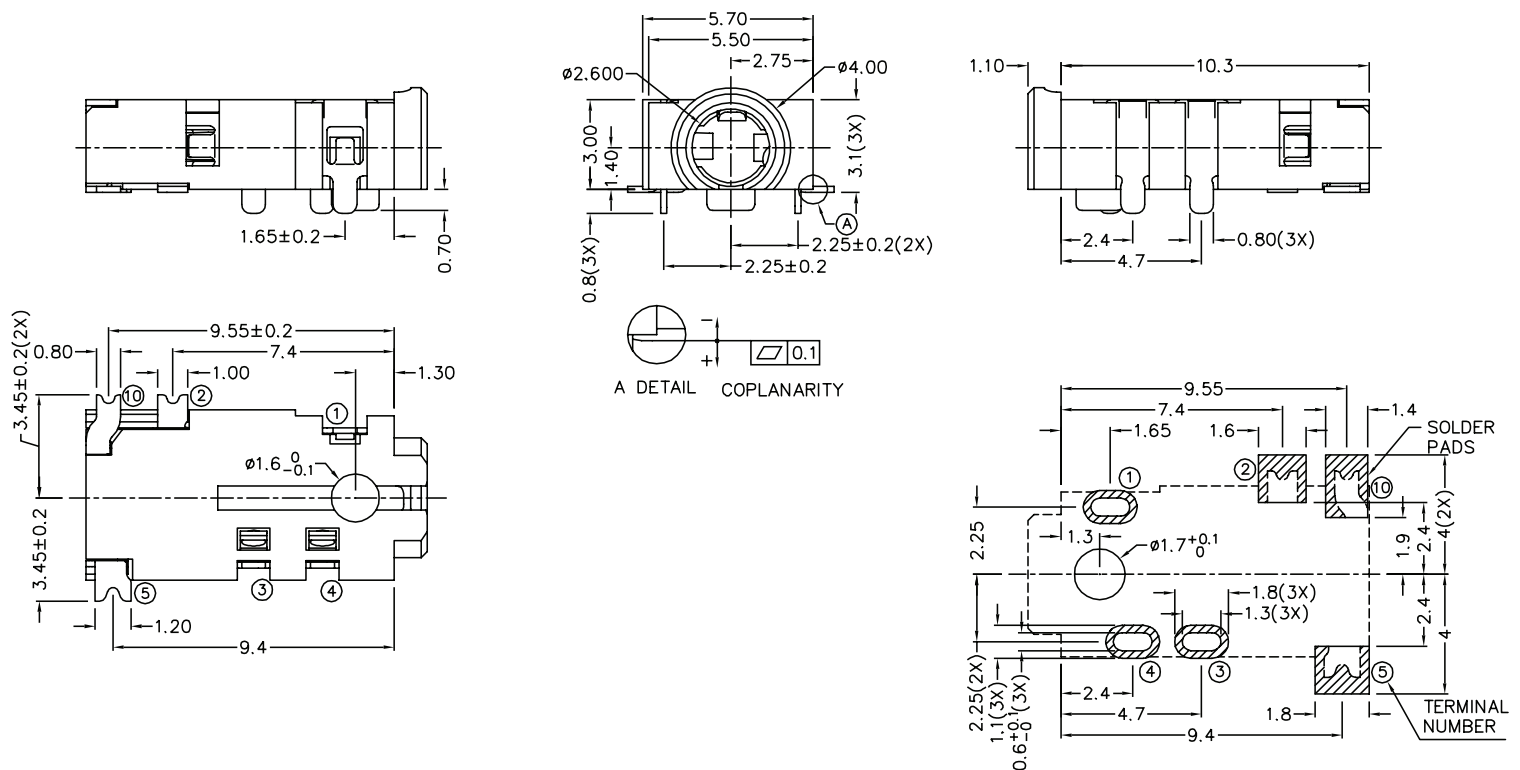


## MECHANICAL DRAWING

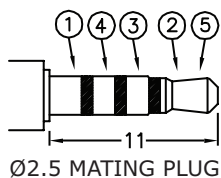
units: mm  
 tolerance:  
 X.X  $\pm 0.2$  mm  
 X.XX  $\pm 0.10$  mm  
 X.XXX  $\pm 0.050$  mm  
 PCB:  $\pm 0.05$  mm



	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 3	copper alloy	gold flash
terminal 4	copper alloy	gold flash
terminal 5	copper alloy	gold flash
terminal 10	copper alloy	gold flash
plastic	PA10T	



Recommended PCB Layout  
Top View



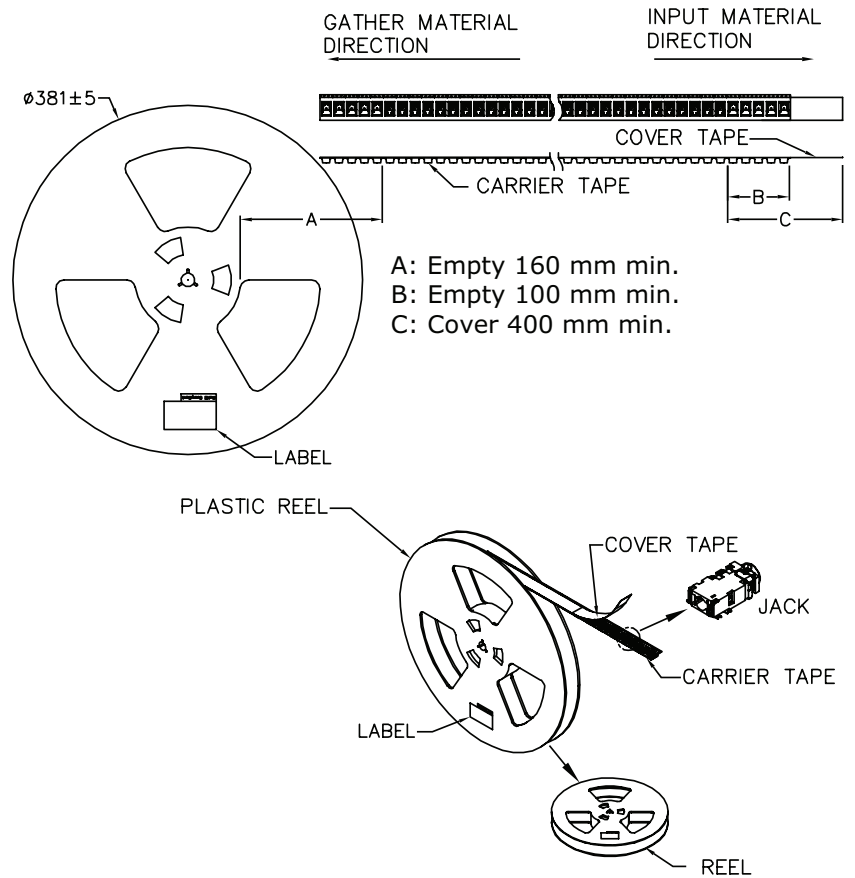
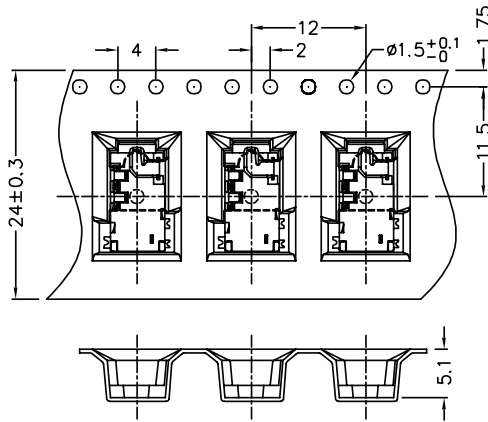
Model No.	SJ2-25504B-SMT-TR
Schematic	
PIN	
1	sleeve
2	tip
3	ring 1
4	ring 2
5	tip
10	tip switch

## PACKAGING

units: mm

Reel Size: Ø381 mm

Reel QTY: 1,500 pcs per reel



## REVISION HISTORY

rev.	description	date
1.0	initial release	12/09/2016
1.01	added storage and drying conditions	06/09/2017
1.02	brand update	10/07/2019

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

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