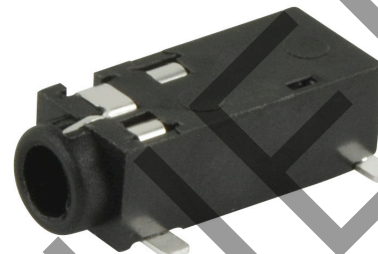


**SERIES:** SJ2-25X-SMT | **DESCRIPTION:** AUDIO JACK

**FEATURES**

- right angle
- low profile design
- reflow solder profile compatible
- surface mount
- suitable for medical applications


**PART NUMBER KEY**

**SJ2 - 25 X X - SMT - TR**

Base Number

# Conductors:  
4 = 4Switch Options:  
A\* = no switch  
B = tip switchPackage Style:  
SMT = surface mountPackaging:  
TR = Tape & Reel

Notes: \*Discontinued model SJ2-254A-SMT-TR

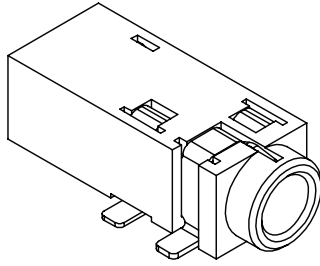
**SPECIFICATIONS**

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				

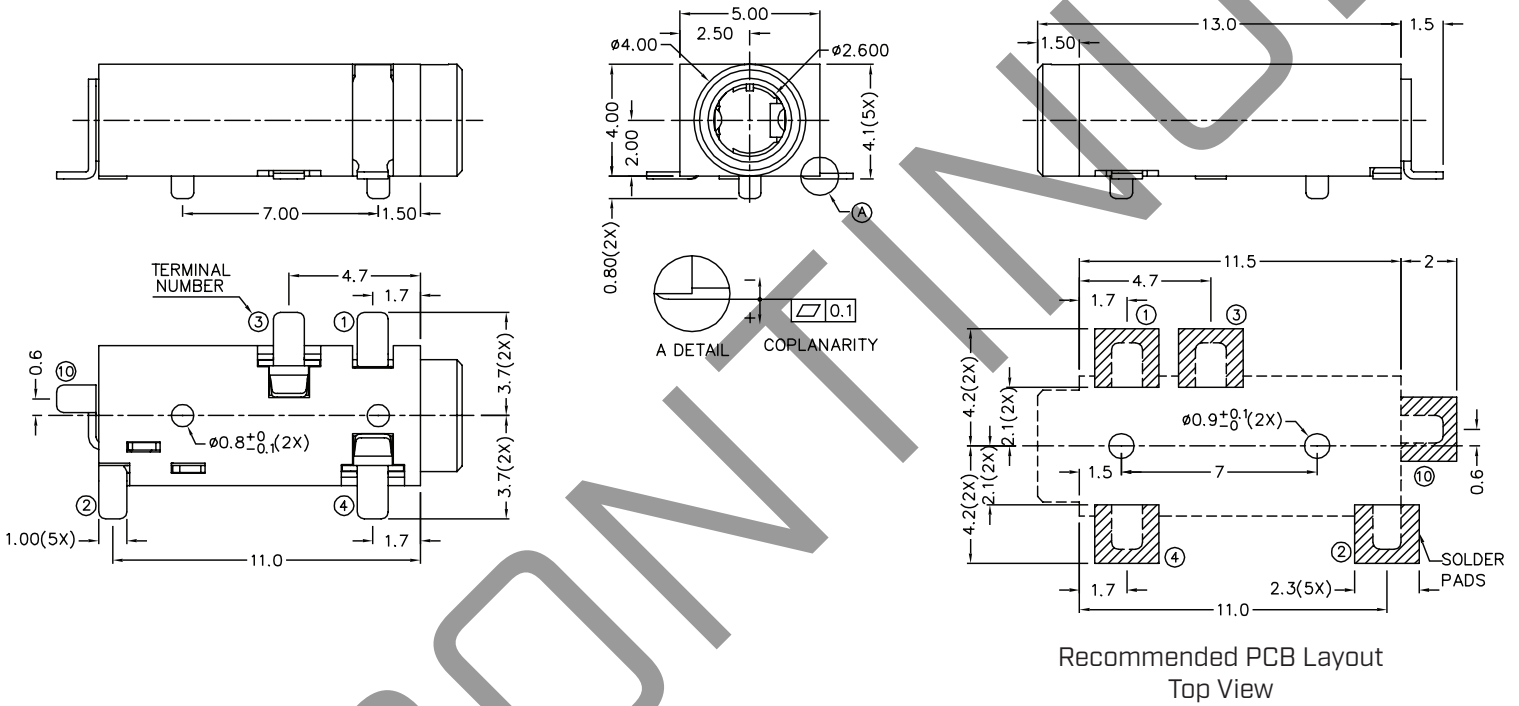
Note: 1. When measured at a current of less than 100 mA/1 kHz  
2. All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

## MECHANICAL DRAWING

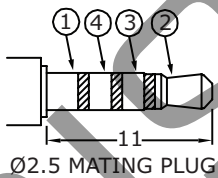
units: mm  
 tolerance:  
 X.X ±0.2 mm  
 X.XX ±0.10 mm  
 X.XXX ±0.050 mm  
 PCB: ±0.05 mm



	MATERIAL	PLATING
terminal 1	copper alloy	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	copper alloy	silver
terminal 10	brass	silver
plastic	PA10T	



Recommended PCB Layout  
Top View

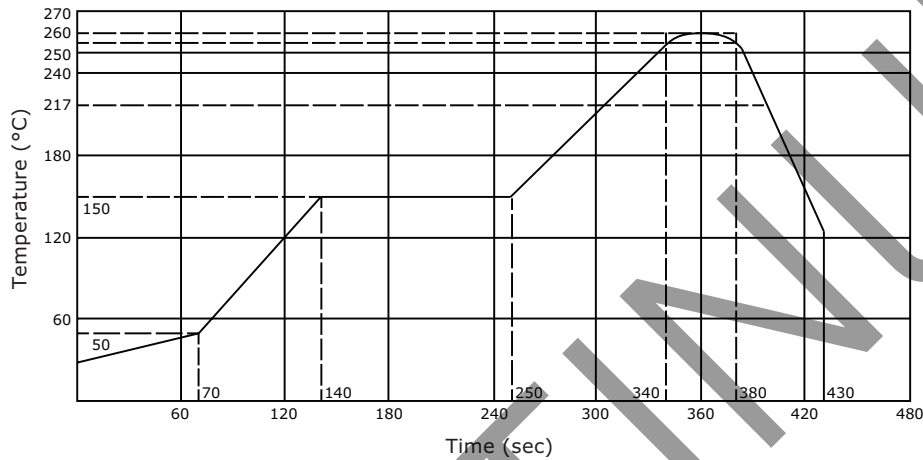


Model No.	SJ2-254A-SMT	SJ2-254B-SMT
Schematic		
PIN		
1	sleeve	sleeve
2	tip	tip
3	ring 1	ring 1
4	ring 2	ring 2
10	NP	tip switch

## SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>1</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>2</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				

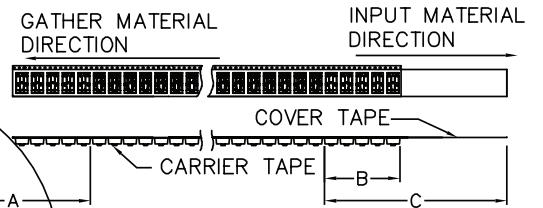
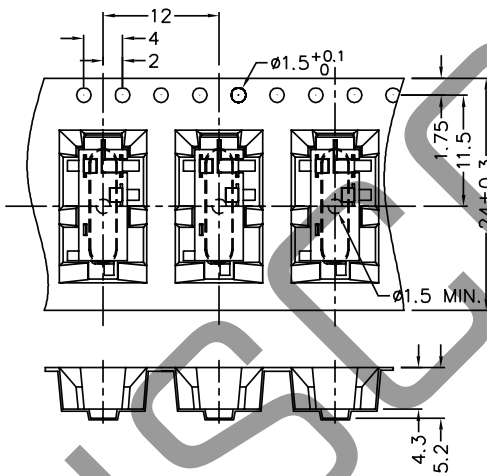
Note: 1. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.  
2. When exceeding floor life by >72 hours.



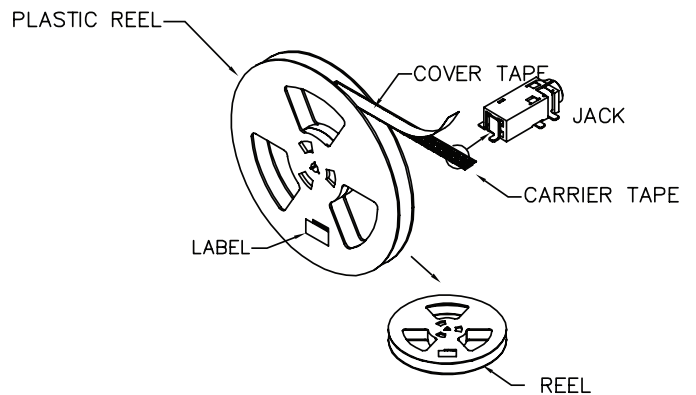
## PACKAGING

units: mm

Reel Size: Ø330 mm  
Reel QTY: 1,000 pcs per reel



A: Empty 160 mm min.  
B: Empty 100 mm min.  
C: Cover 400 mm min.



## REVISION HISTORY

rev.	description	date
1.0	initial release	12/02/2016
1.01	added storage and drying conditions	05/31/2017
1.02	brand update	10/07/2019
1.03	discontinued models SJ2-254A-SMT-TR;logo, datasheet style update	08/18/2022

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



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

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