



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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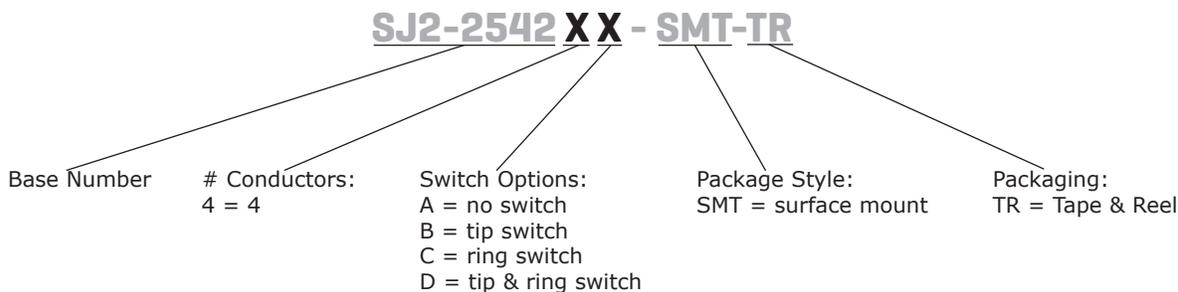
**SERIES:** SJ2-2542X-SMT | **DESCRIPTION:** AUDIO JACK

**FEATURES**

- multiple switch configurations
- low profile design
- reflow solder compatible
- surface mount



**PART NUMBER KEY**



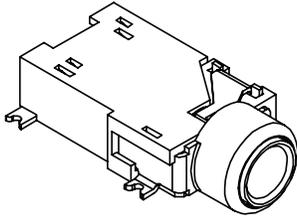
**SPECIFICATIONS**

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	2011/65/EU				

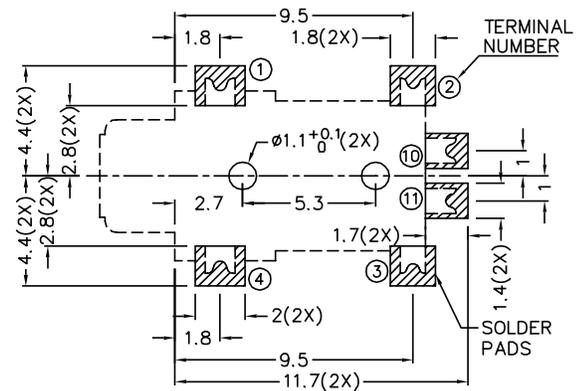
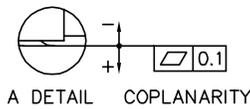
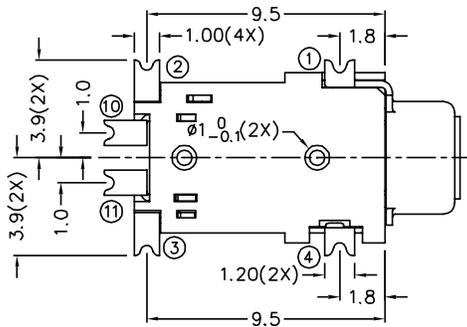
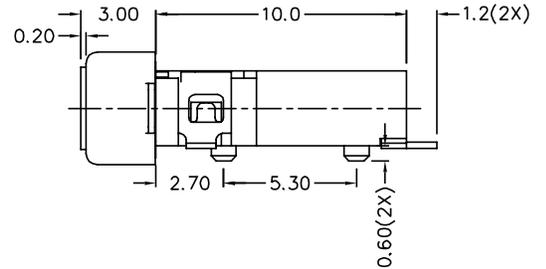
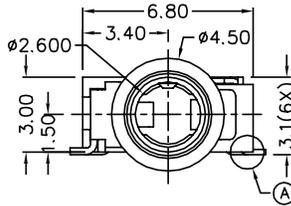
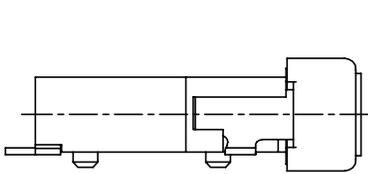
Note: 1. When measured at a current of less than 100 mA/1 kHz  
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

## MECHANICAL DRAWING

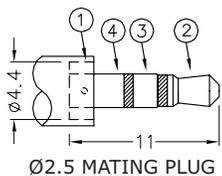
units: mm  
 tolerance:  
 X.X ±0.2 mm  
 X.XX ±0.10 mm  
 X.XXX ±0.050 mm  
 PCB: ±0.05 mm



	MATERIAL	PLATING
terminal 1	brass	gold flash
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	copper alloy	silver
terminal 10	brass	silver
terminal 11	brass	silver
plastic	PA10T	



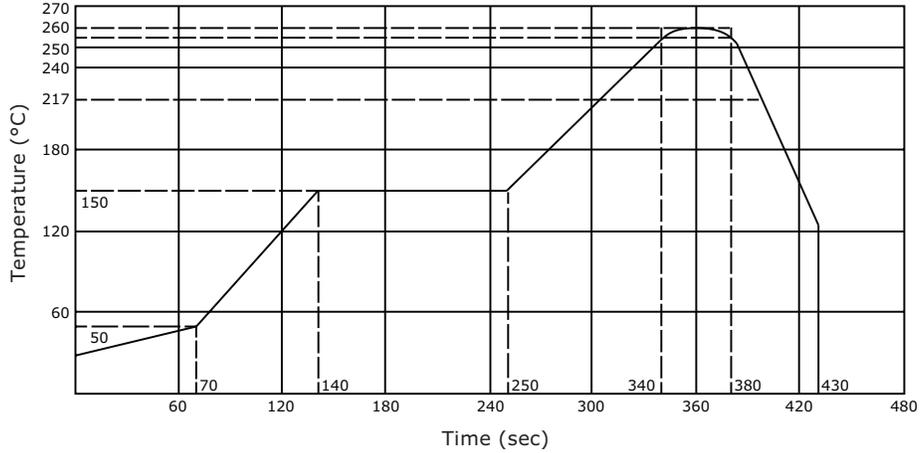
Recommended PCB Layout  
Top View



Model No.	SJ2-25424A-SMT	SJ2-25424B-SMT	SJ2-25424C-SMT	SJ2-25424D-SMT
Schematic				
PIN				
1	outer ring	outer ring	outer ring	outer ring
2	tip	tip	tip	tip
3	ring	ring	ring	ring
4	sleeve	sleeve	sleeve	sleeve
10	NP	tip switch	NP	tip switch
11	NP	NP	ring switch	ring switch

## SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reflow soldering	see reflow profile	255	260	265	°C

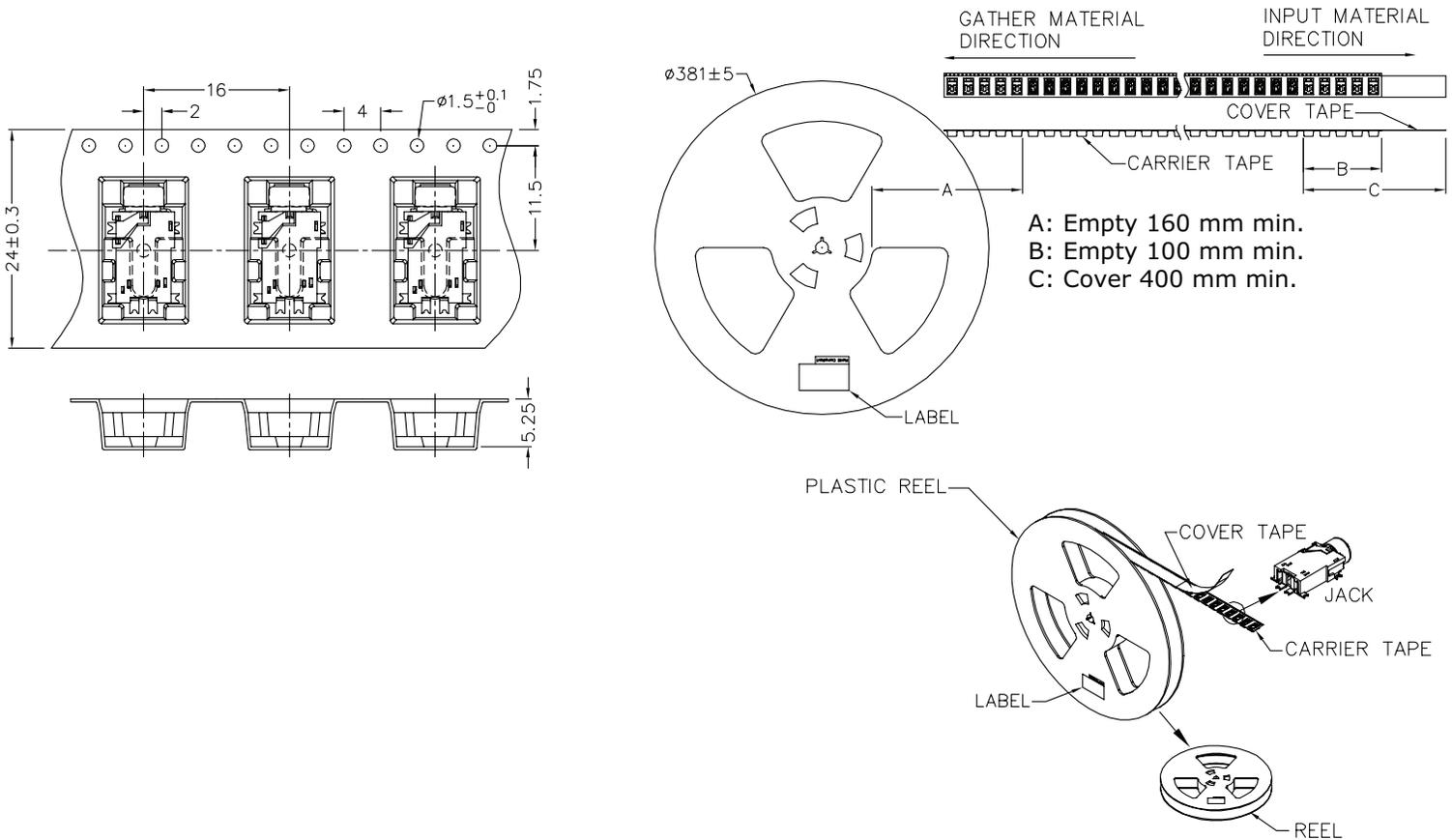


## PACKAGING

units: mm

Reel Size: Ø381 mm

Reel QTY: 1,000 pcs per reel



## REVISION HISTORY

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rev.	description	date
1.0	initial release	12/07/2016

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



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

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