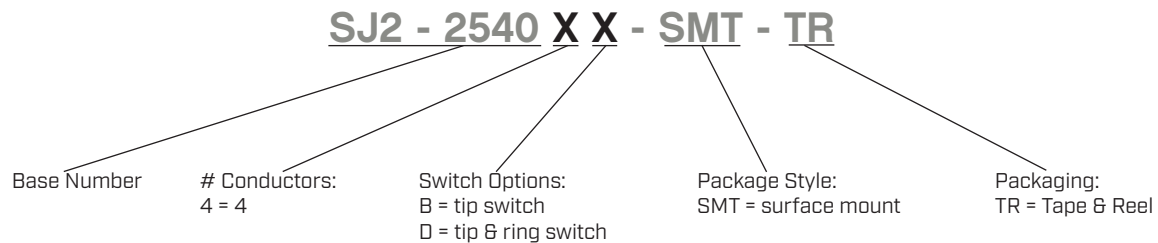


**SERIES:** SJ2-2540X-SMT | **DESCRIPTION:** AUDIO JACK**FEATURES**

- gold terminal plating
- multiple switch configurations
- low profile design
- reflow solder profile

**PART NUMBER KEY****SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-40		85	°C
storage temperature		-10		50	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

## MECHANICAL DRAWING

units: mm

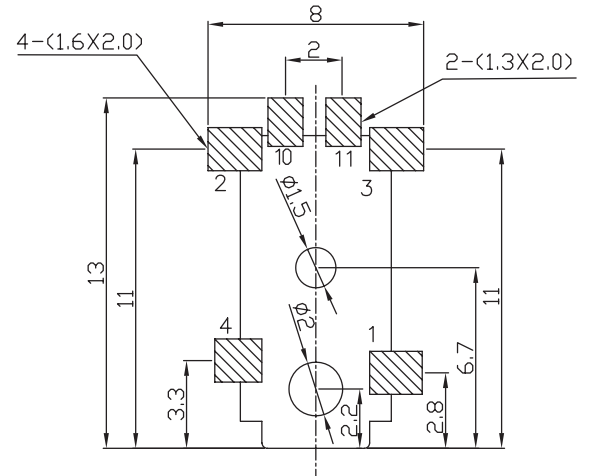
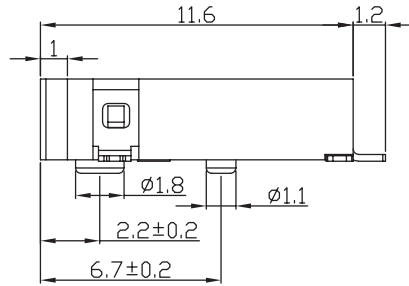
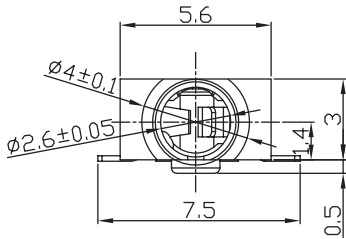
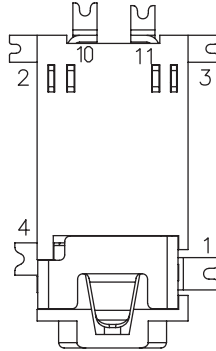
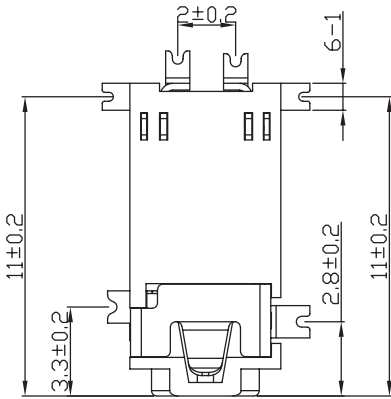
tolerance:

$X \leq 4.00$ :  $\pm 0.15$  mm

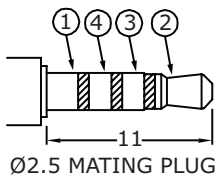
$4.00 < X \leq 16.00$ :  $\pm 0.20$  mm

$16.00 < X \leq 63.00$ :  $\pm 0.30$  mm

unless otherwise noted



Recommended PCB Layout  
Top View

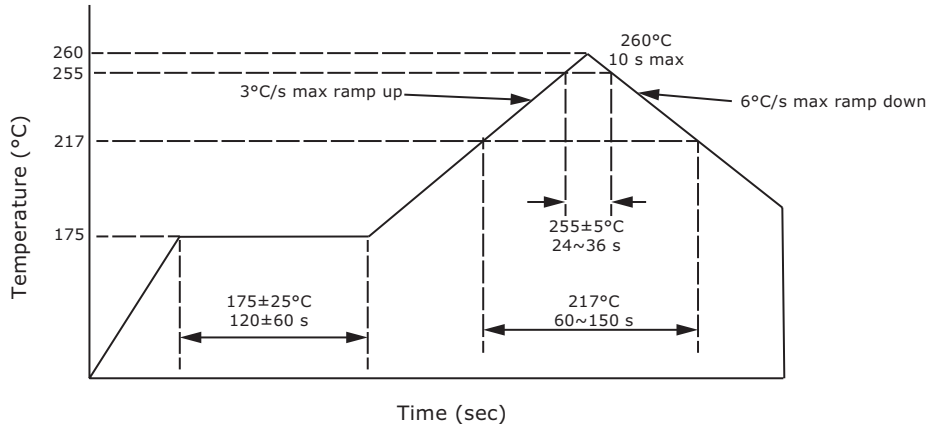


Model No.	SJ2-25404B-SMT	SJ2-25404D-SMT
Schematic		
PIN		
1	sleeve	sleeve
2	tip	tip
3	ring 1	ring 1
4	ring 2	ring 2
10	tip switch	tip switch
11	NP	ring 1 switch

## SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	reel opened & unused parts repacked within 2 hours: $\leq 30^{\circ}\text{C}$ , $\leq 60\%$ humidity reel unopened, 1 year shelf life: $\leq 30^{\circ}\text{C}$ , $\leq 85\%$ humidity				
reflow soldering	see reflow profile			260	$^{\circ}\text{C}$
drying conditions	parts removed from reel over 6 hours: bake at $40^{\circ}\text{C}$ for 6 hours				

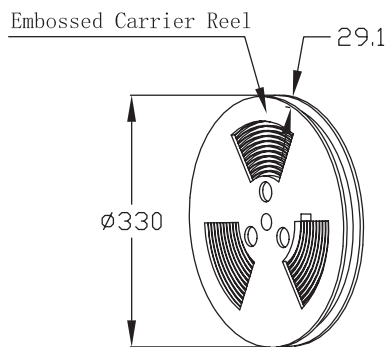
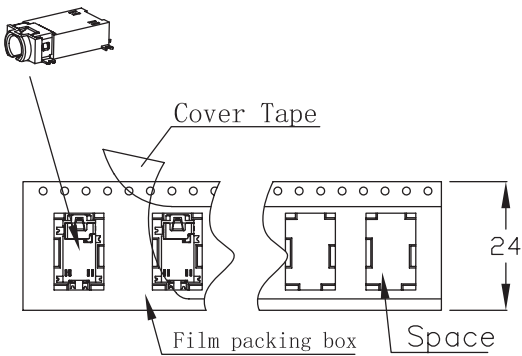
Note: 1. CUI Devices recommends usage of the product within 2 hours after T&R is opened. After 6 hours, CUI Devices recommends drying the parts prior to use.



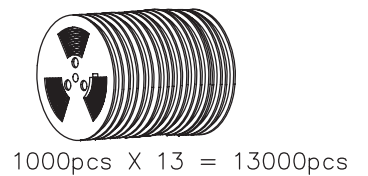
## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm  
Reel QTY: 1,000 pcs per reel



1000pcs X 1 = 1000pcs



## REVISION HISTORY

rev.	description	date
1.0	initial release	12/07/2016
1.01	added storage and drying conditions	06/07/2017
1.02	brand update	10/04/2019
1.03	discontinued models SJ2-25404A-SMT-TR & SJ2-25404C-SMT-TR; logo, datasheet style update	08/18/2022
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	01/24/2023

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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