

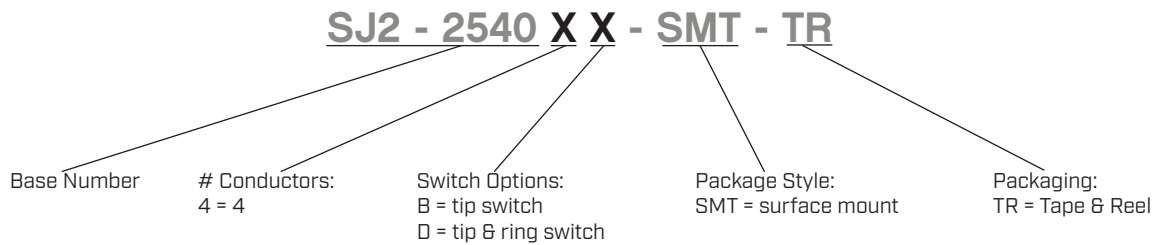
SERIES: SJ2-2540X-SMT | **DESCRIPTION:** AUDIO JACK

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

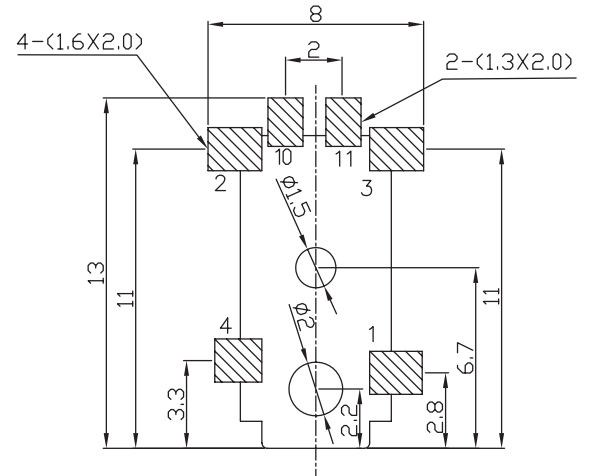
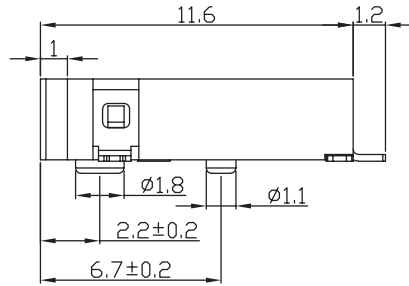
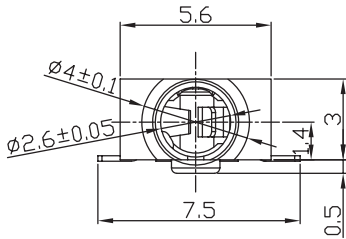
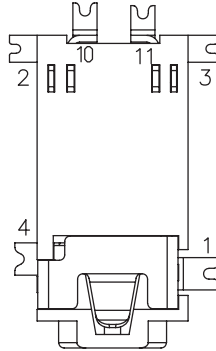
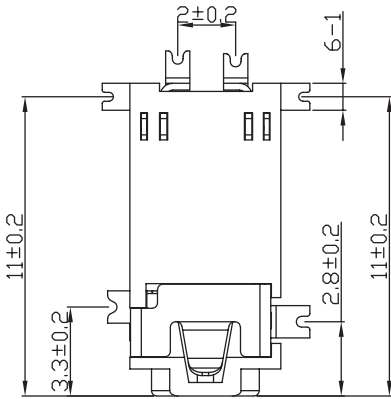
tolerance:

$X \leq 4.00$: ± 0.15 mm

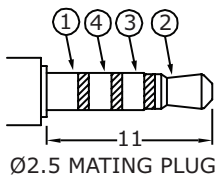
$4.00 < X \leq 16.00$: ± 0.20 mm

$16.00 < X \leq 63.00$: ± 0.30 mm

unless otherwise noted



Recommended PCB Layout
Top View



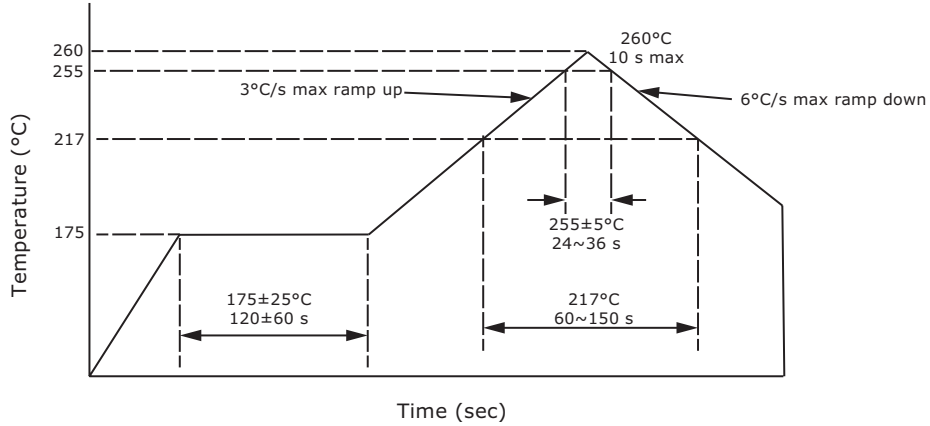
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	phosphor bronze t=0.25	gold
terminal 2	phosphor bronze t=0.20	gold
terminal 3	phosphor bronze t=0.20	gold
terminal 4	phosphor bronze t=0.20	gold
terminal 10	brass t=0.25	gold
terminal 11	brass t=0.25	gold
housing	PA9T [UL94V-0]	black

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°C for 6 hours				

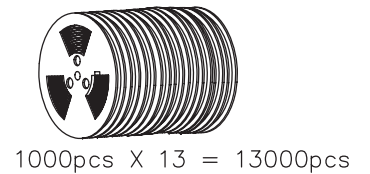
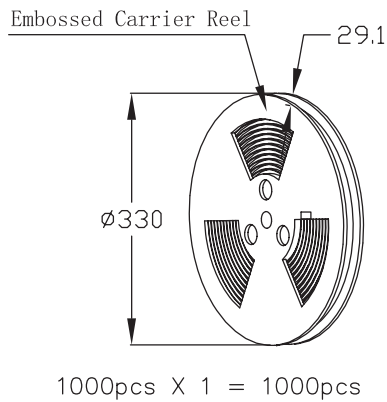
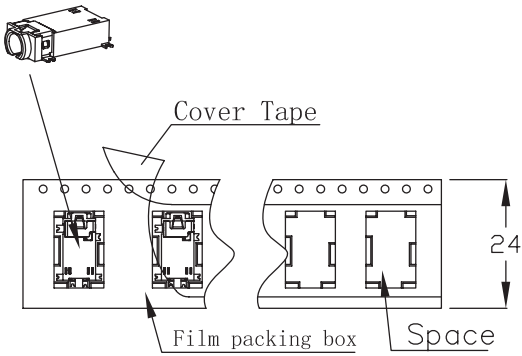
Note: 1. CUI Devices recommends usage of the product within 2 hours after T&R is opened. After 6 hours, CUI Devices recommends drying the parts prior to use.



PACKAGING

units: mm

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



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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