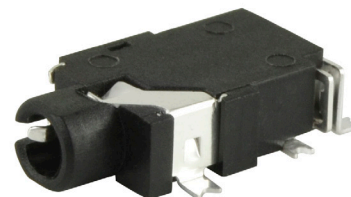


**MODEL:** SJ2-2524A-SMT-TR | **DESCRIPTION:** AUDIO JACK**FEATURES**

- low profile
- reflow solder compatible
- surface mount

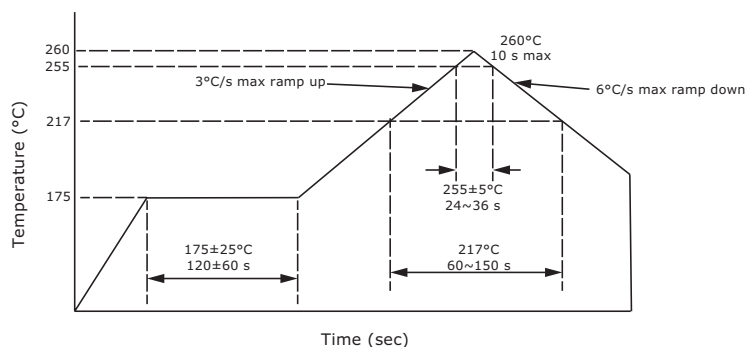
**SPECIFICATIONS**

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
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

**SOLDERABILITY**

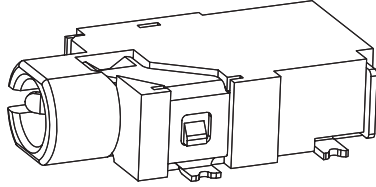
parameter	conditions/description	min	typ	max	units
reel storage	reel opened & unused parts repacked within 2 hours: ≤30°C, ≤60% humidity reel unopened, 1 year shelf life: ≤30°C, ≤85% humidity				
reflow soldering	see reflow profile			260	°C
drying conditions	parts removed from reel over 6 hours: bake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

Note: 1. CUI Devices recommends usage of the product within 24 hours after T&R is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.

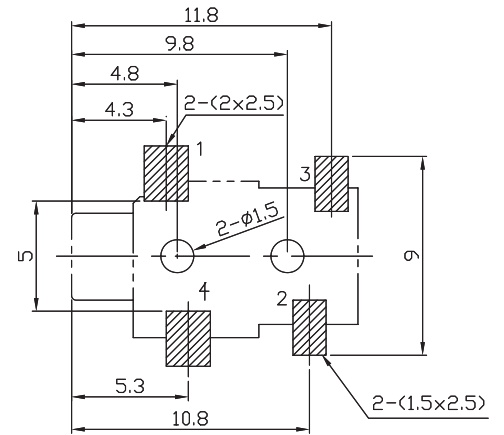
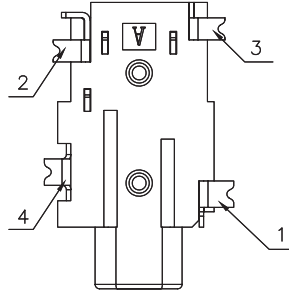
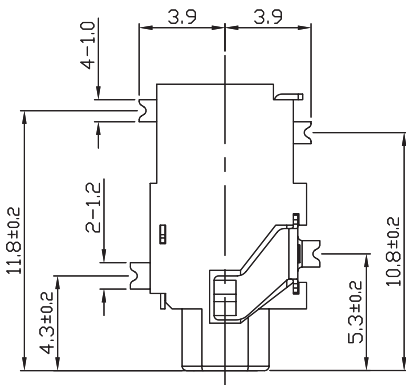


## MECHANICAL DRAWING

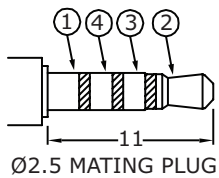
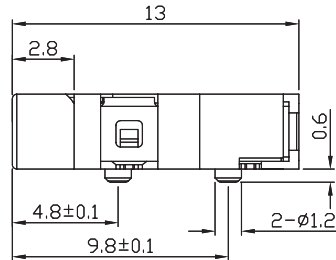
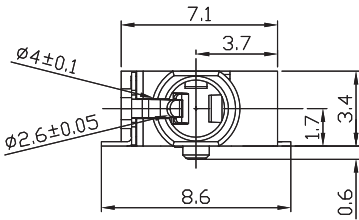
units: mm  
 tolerance:  
 X.X ±0.3 mm  
 X.XX ±0.20 mm  
 X.XXX ±0.15 mm  
 PCB: ±0.05 mm  
 unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	phosphor bronze t=0.20	silver
terminal 2	phosphor bronze t=0.25	silver
terminal 3	brass t=0.25	silver
terminal 4	phosphor bronze t=0.20	silver
housing	PA9T (UL94V-0)	black



Recommended PCB Layout  
Top View



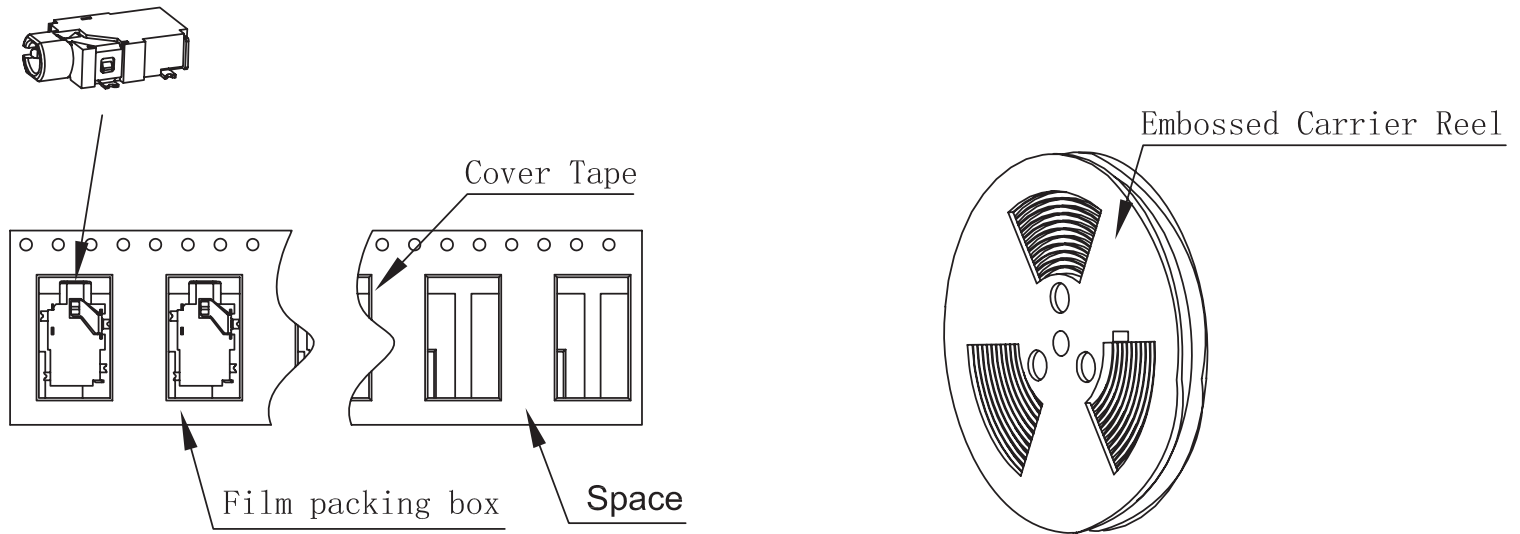
Model No.	SJ2-2524A-SMT
Schematic	
PIN	
1	sleeve
2	tip
3	ring 1
4	ring 2

## PACKAGING

units: mm

Reel Size: Ø330 mm

Reel QTY: 1,000 pcs per reel



1 Film packing box=1×1000pcs  
=1000pcs

## REVISION HISTORY

rev.	description	date
1.0	initial release	12/02/2016
1.01	added storage and drying conditions	07/21/2017
1.02	brand update	10/04/2019
1.03	discontinued models SJ2-2524D-SMT-TR, SJ2-2524B-SMT-TR, SJ2-2524C-SMT-TR & SJ2-2523D-SMT-TR; logo, datasheet style update	08/18/2022
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	03/30/2023

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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