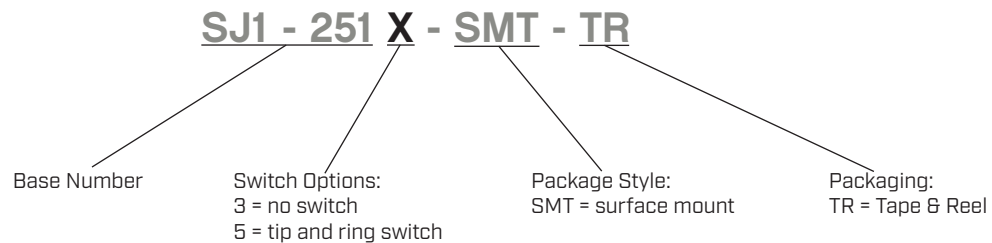


SERIES: SJ1-251X-SMT | **DESCRIPTION:** AUDIO JACK

FEATURES

- low profile design
- switch options include:
 - no switch
 - tip switch
 - tip and ring switch

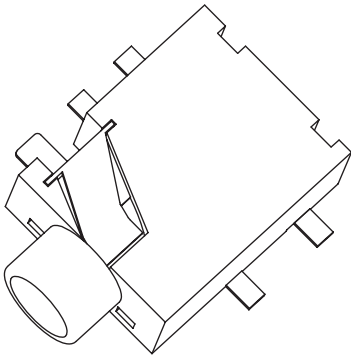
**PART NUMBER KEY**

**SPECIFICATIONS**

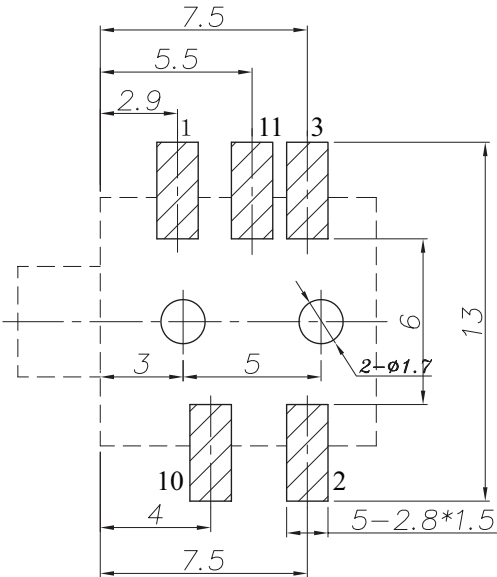
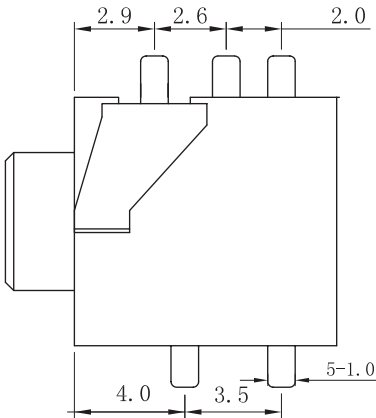
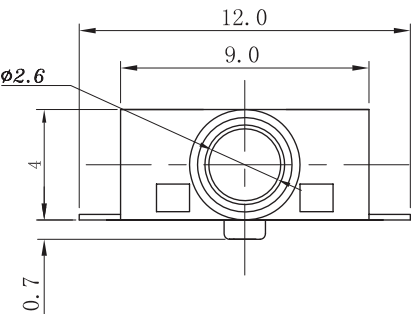
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance				50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

MECHANICAL DRAWING

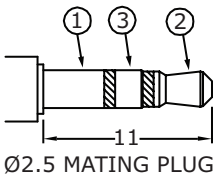
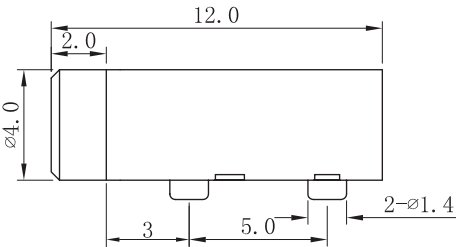
units: mm
tolerance:
0.0<X≤5.0: ±0.10 mm
X>5.0: ±0.20 mm
unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass	gold
terminal 2	BE-CU	gold
terminal 3	BE-CU	gold
terminal 10	brass	gold
terminal 11	brass	gold
housing	PA6T	black



Recommended PCB Layout
Top View

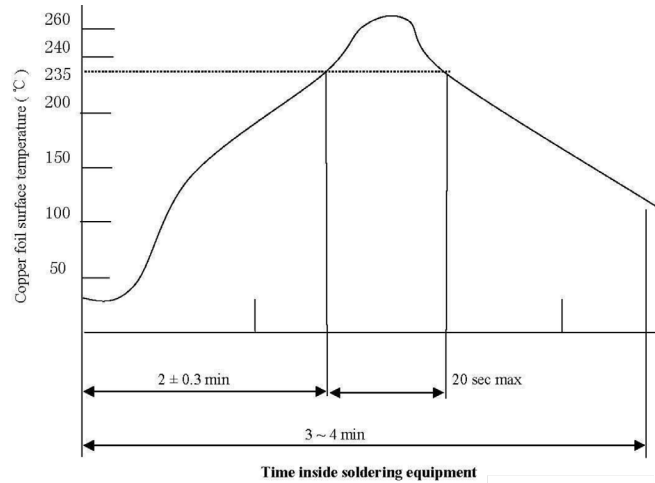


Model No.	SJ1-2513-SMT	SJ1-2515-SMT
Schematic		
PIN		
1	sleeve	sleeve
2	tip	tip
3	ring	ring
10	NP	tip switch
11	NP	ring switch

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	$\leq 30^{\circ}\text{C}$, $\leq 80\%$ humidity				$^{\circ}\text{C}$
reflow soldering ¹	see reflow profile		260		$^{\circ}\text{C}$
drying conditions	parts in reel: bake at $40 \pm 5^{\circ}\text{C}$ for 72 hours parts removed from reel: bake at $40 \pm 5^{\circ}\text{C}$ for 10 hours				

Note: 1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature $< 30^{\circ}\text{C}$ & relative humidity $< 80\%$.

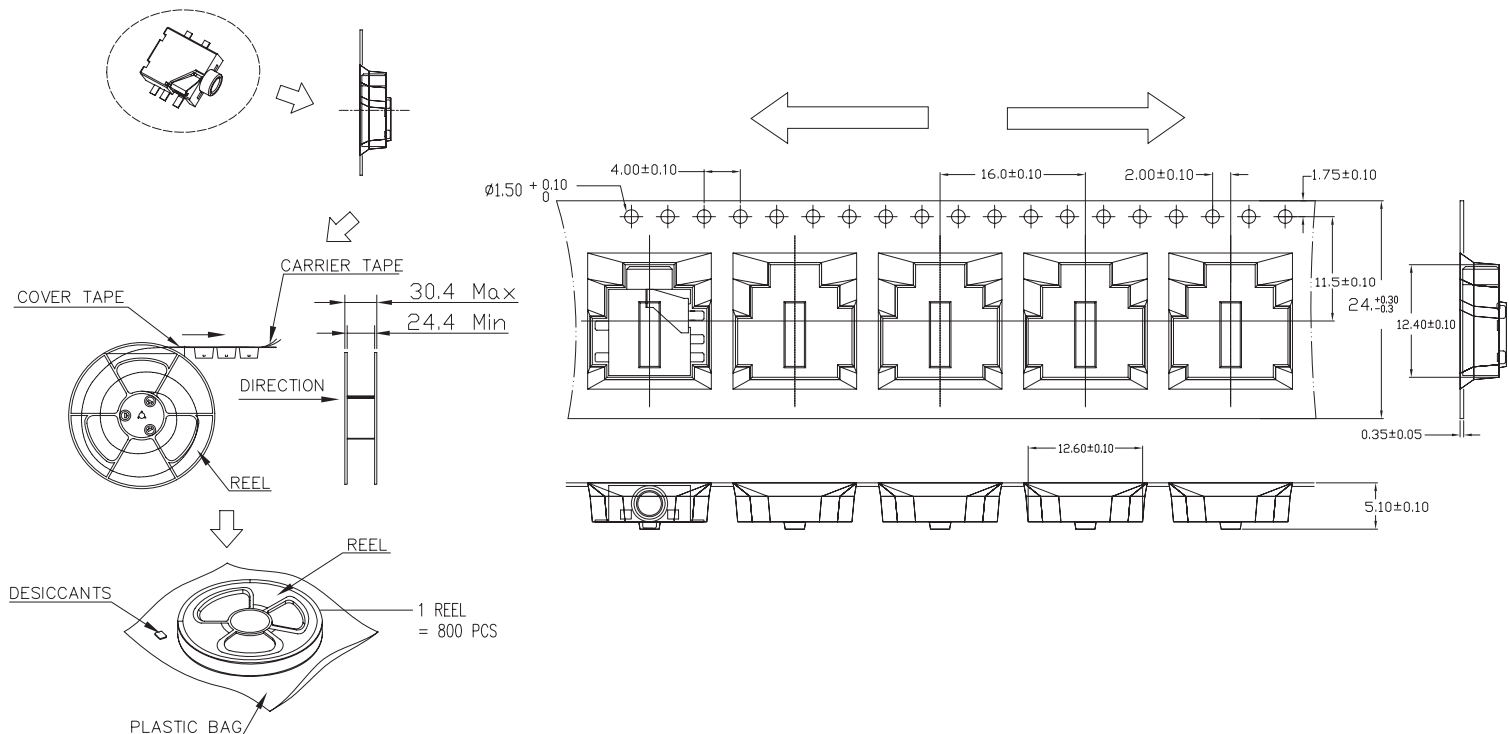


PACKAGING

units: mm

Reel Size: $\varnothing 330$ mm

Reel QTY: 800 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	02/07/2006
1.01	new template applied	01/25/2012
1.02	added TR package option	11/01/2012
1.03	added model, updated datasheet	12/07/2016
1.04	added storage and drying conditions	01/03/2018
1.05	brand update	10/04/2019
1.06	discontinued models SJ1-2514-SMT-TR & SJ1-2513C-SMT-TR; logo, datasheet style update	08/17/2022
1.07	product reengineered for improved manufacturability and production yield, see PCN for details	04/26/2023

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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