



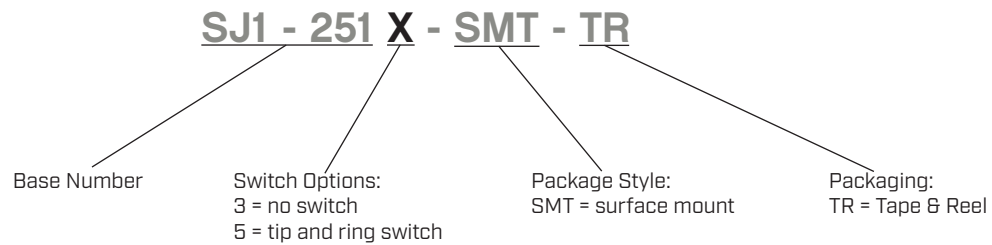
**THE DATASHEET OF
SJ1-2514-SMT-TR**




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

FEATURES

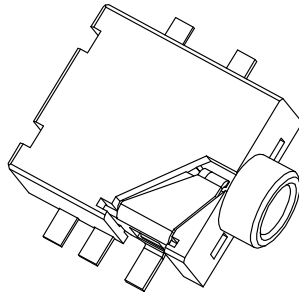
- low profile design
- switch options include:
 - no switch
 - tip switch
 - tip and ring switch


PART NUMBER KEY

SPECIFICATIONS

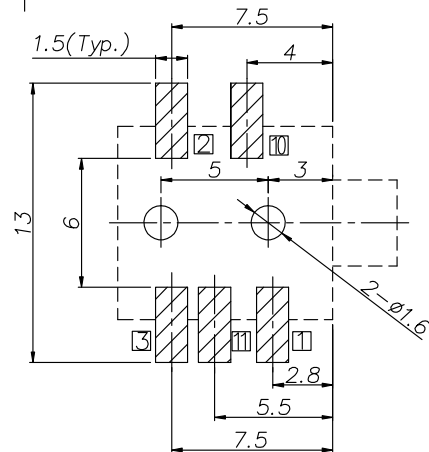
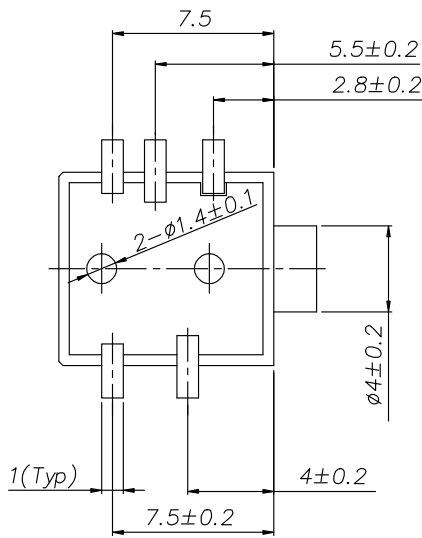
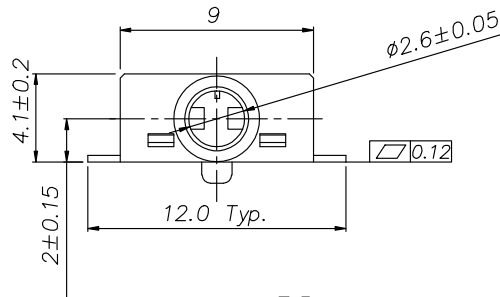
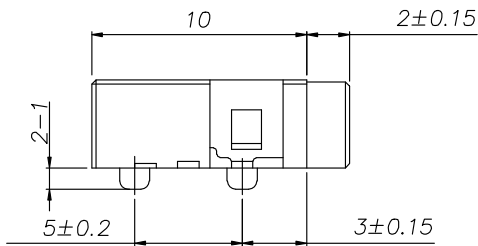
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance				50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
storage temperature		-40		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

MECHANICAL DRAWING

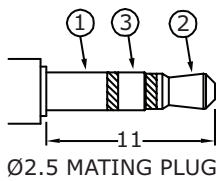
units: mm
 tolerance: ± 0.30 mm
 PCB: ± 0.05 mm
 unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	phosphor bronze t=0.30	gold
terminal 2	stainless steel t=0.20	gold
terminal 3	stainless steel t=0.20	gold
terminal 10	phosphor bronze t=0.20	gold
terminal 11	phosphor bronze t=0.20	gold
housing	PA10T (UL94V-0)	black
cover	PA10T (UL94V-0)	black



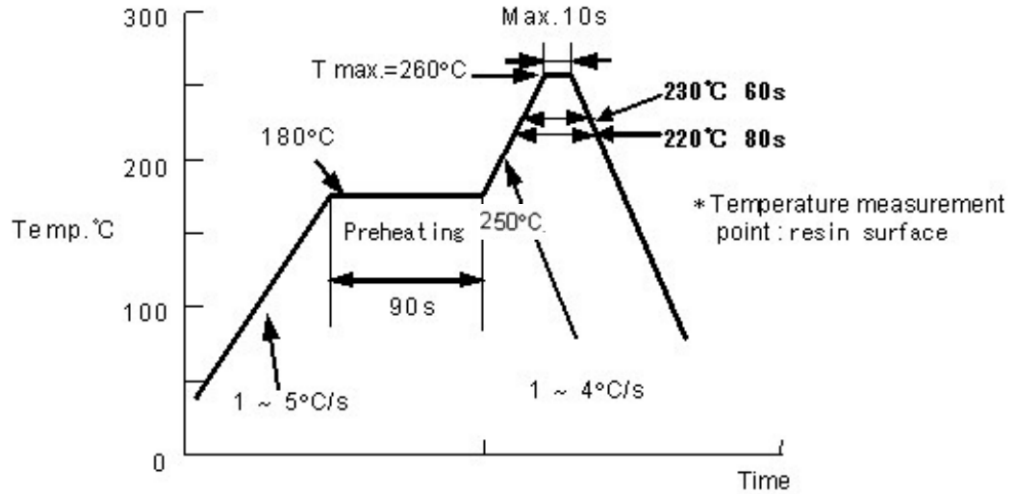
Recommended PCB Layout
Top View



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

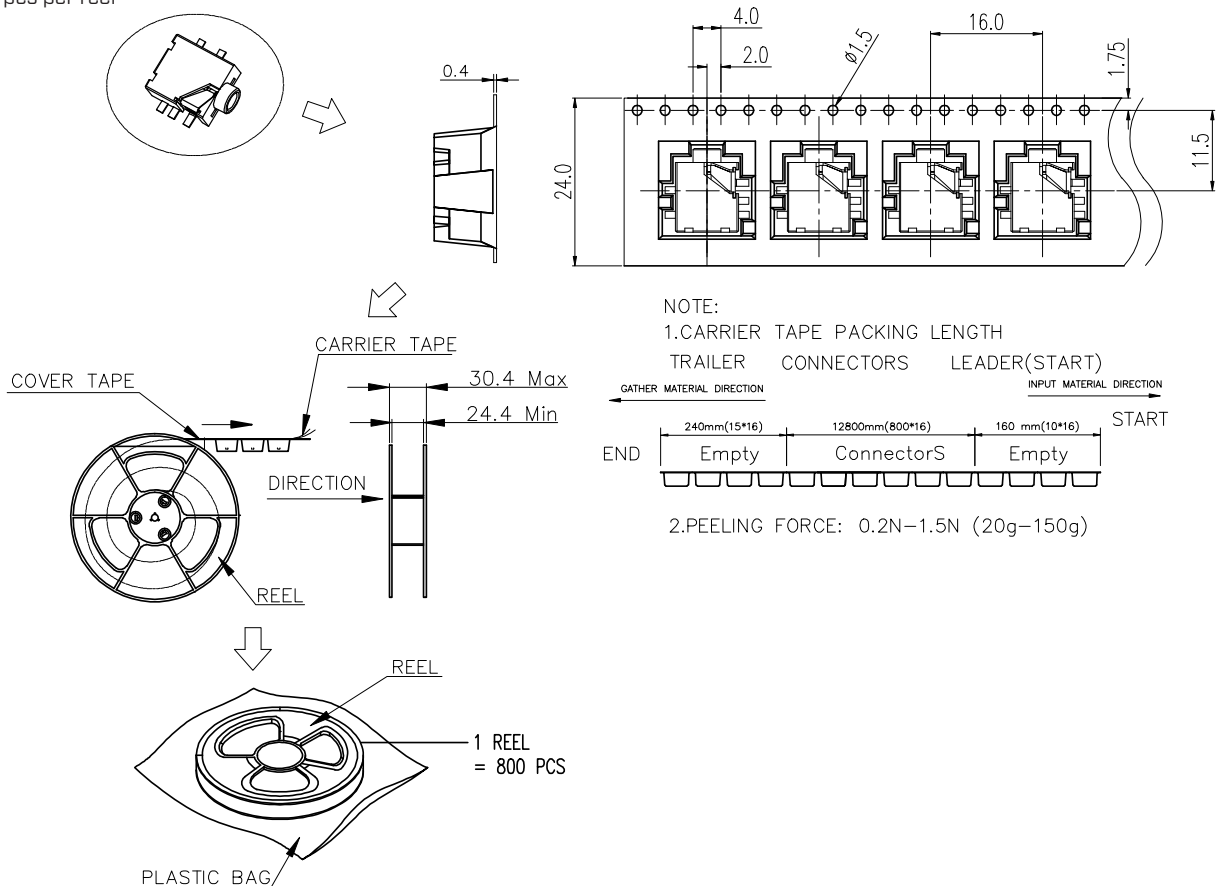
parameter	conditions/description	min	typ	max	units
reel storage	5~35°C, <75% humidity				°C
reflow soldering	see reflow profile			260	°C
drying conditions	bake at 120°C for 4 hours				



PACKAGING

units: mm

Reel Size: Ø330 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
1.08	CUI Devices rebranded to Same Sky	09/12/2024
1.09	updated drawing	01/15/2025
1.10	product reengineered for improved manufacturability and production yield, see PCN for details	12/11/2025

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



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



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