

**date** 02/14/2018

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**SERIES:** SJ-252X-SMT | **DESCRIPTION:** 2.5 MM AUDIO JACKS

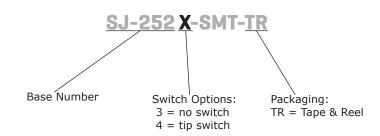
#### **FEATURES**

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





# **PART NUMBER KEY**



# **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ 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	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

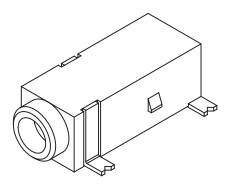
Note:

- 1. When measured at a current of less than 100 mA/1 kHz
- 2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

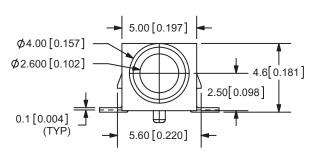
# **MECHANICAL DRAWING**

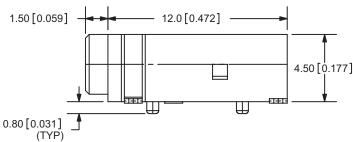
units: mm[inches]

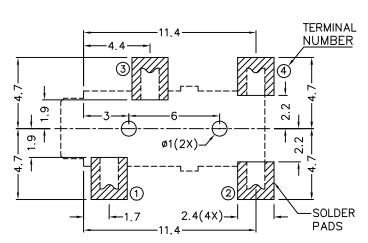
TOLERANCE:  $X.X \pm 0.2 mm$  $X.XX \pm 0.1 mm$  $X.XXX \pm 0.05 mm$ PCB: ±0.05 mm

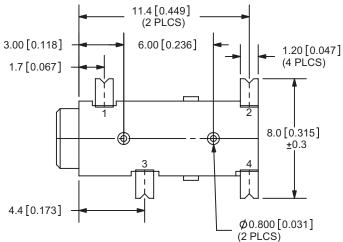


MATERIAL	PLATING
copper alloy	silver
copper alloy	silver
copper alloy	silver
brass	silver
PA6T or equivalent	
	copper alloy copper alloy brass PA6T or

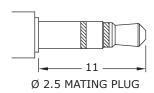








Recommended PCB Layout Top View



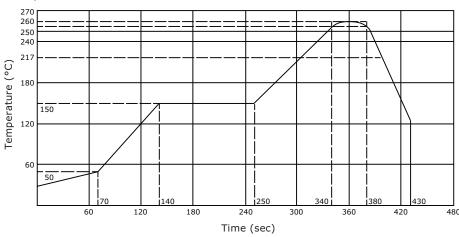
Model No.	SJ-2523-SMT	SJ-2524-SMT	
Schematic	°1 °3 °2	01 03 04 02	
PIN			
1	sleeve	sleeve	
2	tip	tip	
3	ring	ring	
4	NP	tip switch	

## **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>1</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>2</sup>	parts in reel: bake at $40^{\circ}$ C $\pm 5^{\circ}$ C for 72 hours parts removed from reel: bake at $40^{\circ}$ C $\pm 5^{\circ}$ C for 10 hours				

Note:

- 1. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%. When exceeding floor life by >72 hours.

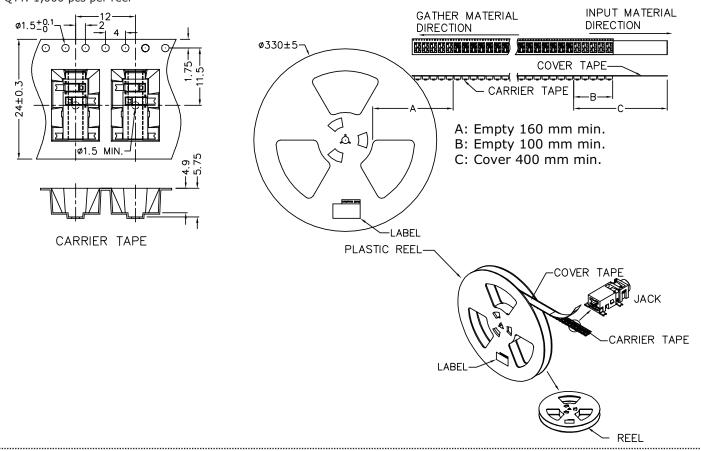


# **PACKAGING**

units: mm

Reel Size: Ø330 mm

Reel QTY: 1,000 pcs per reel



## **REVISION HISTORY**

rev.	description	date	
1.0	initial release	11/09/2005	
1.01	new template applied	01/30/2012	
1.02	added TR package option	11/01/2012	
1.03	added storage and drying conditions, and tape and reel packaging details	02/14/2018	

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



**Headquarters** 20050 SW 112th Ave. Tualatin, OR 97062 **800.275.4899** 

Fax 503.612.2383 **cui**.com techsupport@cui.com

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