

date 12/06/2016

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SERIES: SJ2-2591X-SMT | DESCRIPTION: AUDIO JACK

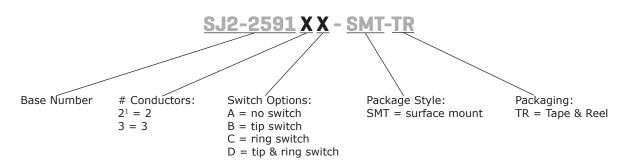
FEATURES

- multiple switch configurations
- low profile design
- reflow solder compatible
- surface mount





PART NUMBER KEY



Note: 1. 2 conductor option only available with tip switch

SPECIFICATIONS

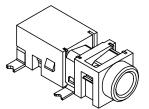
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance ²	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

Note:

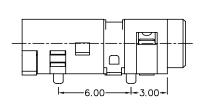
- 2. When measured at a current of less than 100 mA/1 kHz
- 3. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

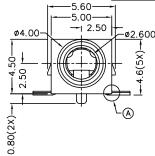
MECHANICAL DRAWING

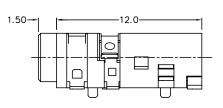
units: mm tolerance: $X.X \pm 0.2 \text{ mm}$ $X.XX \pm 0.10 mm$ $X.XXX \pm 0.050 \text{ mm}$ PCB: ±0.05 mm

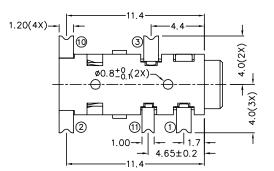


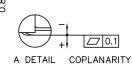
	MATERIAL	PLATING
terminal 1	copper alloy	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 10	brass	silver
terminal 11	brass	silver
plastic	PA10T	

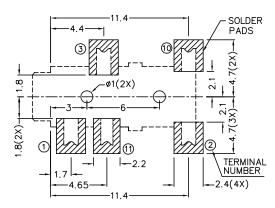




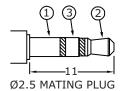








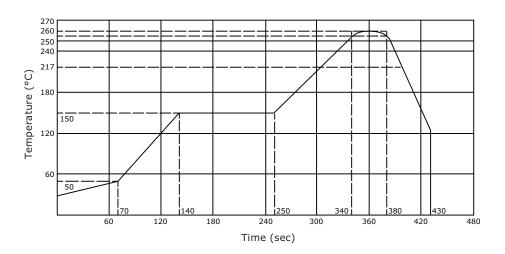
Recommended PCB Layout Top View



Model No.	SJ2-25912B-SMT	SJ2-25913A-SMT	SJ2-25913B-SMT	SJ2-25913C-SMT	SJ2-25913D-SMT	
Schematic	010	01	01 03 010 02	01 03 011 02	01 03 011 010 02	
PIN						
1	sleeve	sleeve	sleeve	sleeve	sleeve	
2	tip	tip	tip	tip	tip	
3	NP	ring	ring	ring	ring	
10	tip switch	NP	tip switch	NP	tip switch	
11	NP	NP	NP	ring switch	ring switch	

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reflow soldering	see reflow profile	255	260	265	°C

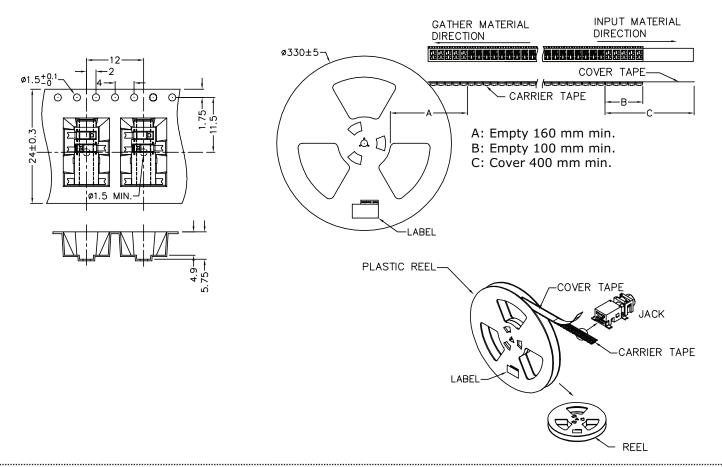


PACKAGING

units: mm

Reel Size: Ø330 mm

Reel QTY: 1,000 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	12/06/2016

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

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

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