

date 06/07/2017

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SERIES: SJ2-2597X-SMT | DESCRIPTION: AUDIO JACK

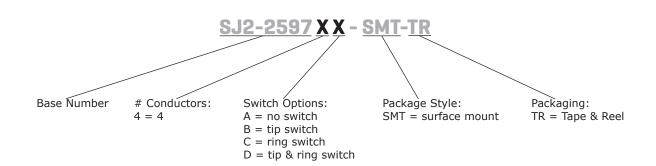
FEATURES

- gold flash terminal plating
- multiple switch configurations
- low profile design
- reflow solder compatible





PART NUMBER KEY



SPECIFICATIONS

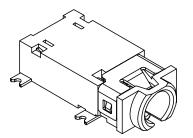
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	Α
contact resistance ¹ between terminal and mating plug between terminal in a closed circuit				50 30	$m\Omega$
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	for 1 minute			500	Vac
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:

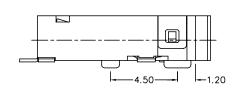
- 1. When measured at a current of less than 100 mA/1 kHz
- 2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

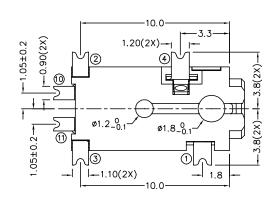
MECHANICAL DRAWING

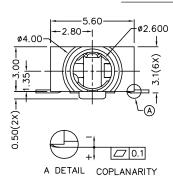
units: mm tolerance: $X.X \pm 0.2 mm$ $X.XX \pm 0.10 mm$ $X.XXX \pm 0.050 \text{ mm}$ PCB: ±0.05 mm

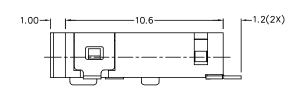


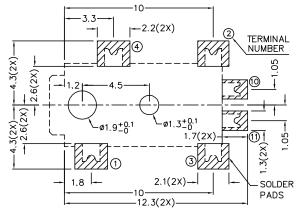
	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	beryllium copper	gold flash
terminal 3	beryllium copper	gold flash
terminal 4	copper alloy	gold flash
terminal 10	copper alloy	gold flash
terminal 11	copper alloy	gold flash
plastic	PA10T	



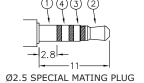








Recommended PCB Layout Top View



Model No.	SJ2-25974A-SMT	SJ2-25974B-SMT	SJ2-25974C-SMT	SJ2-25974D-SMT	
Schematic	01 04 03 02	01 04 03 010 010	01 04 03 011 02	01 04 03 011 010 02	
PIN					
1	sleeve	sleeve	sleeve	sleeve	
2	tip	tip	tip	tip	
3	ring 1	ring 1	ring 1	ring 1	
4	ring 2	ring 2	ring 2	ring 2	
10	NP	tip switch	NP	tip switch	
11	NP	NP	ring 1 switch	ring 1 switch	

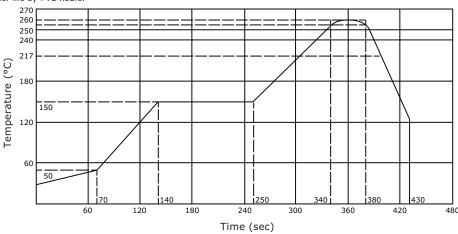
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ¹	see reflow profile	255	260	265	°C
drying conditions ²	parts in reel: bake at 40°C ±5°C for 72 hours	houre			

parts removed from reel: bake at 40°C ±5°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.



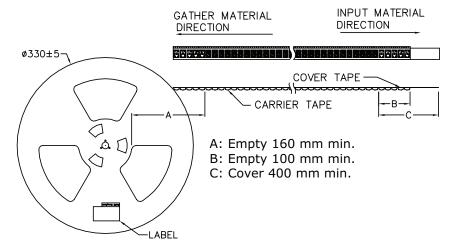
PACKAGING

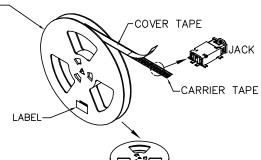
units: mm

Reel Size: Ø330 mm

Reel QTY: 1,250 pcs per reel

 24 ± 0.3





PLASTIC REEL

REVISION HISTORY

rev.	description	date
1.0	initial release	12/07/2016
1.01	added storage and drying conditions	06/07/2017

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



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

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