

**date** 05/31/2017

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SERIES: SJ2-2577X-SMT | DESCRIPTION: AUDIO JACK

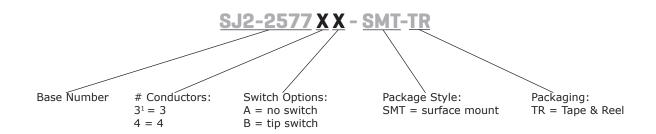
### **FEATURES**

- mid mount SMT for low profile designs
- right angle
- reflow solder compatible
- suitable for medical applications





## **PART NUMBER KEY**



Note: 1. 3 conductor option only available with tip switch

### **SPECIFICATIONS**

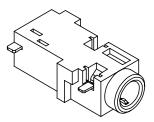
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance <sup>2</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	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:

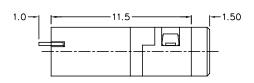
- 2. When measured at a current of less than 100 mA/1 kHz
- 3. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

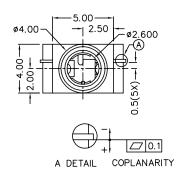
# **MECHANICAL DRAWING**

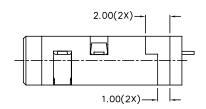
units: mm tolerance:  $X.X \pm 0.2 mm$  $X.XX \pm 0.10 mm$  $X.XXX \pm 0.050 \text{ mm}$ PCB: ±0.05 mm

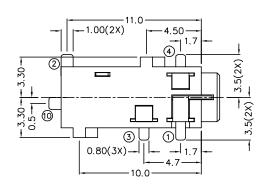


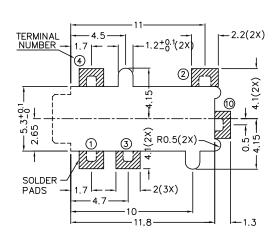
	MATERIAL	PLATING
terminal 1	copper alloy	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	copper alloy	silver
terminal 10	brass	silver
plastic	PA10T	



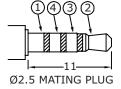








Recommended PCB Layout Top View



Model No.	SJ2-25773B-SMT	SJ2-25774A-SMT	SJ2-25774B-SMT
Schematic	04 03 010 02	01 04 03 03	01 04 03 010 02
PIN			
1	NP	sleeve	sleeve
2	tip	tip	tip
3	ring 1	ring 1	ring 1
4	ring 2	ring 2	ring 2
10	tip switch	NP	tip switch

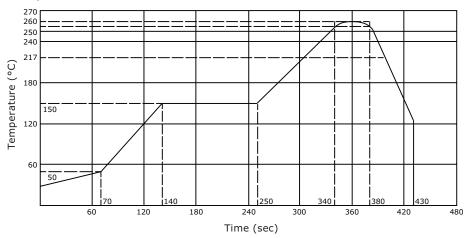
## **SOLDERABILITY**

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°C ±5°C for 72 hours	hours			

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.

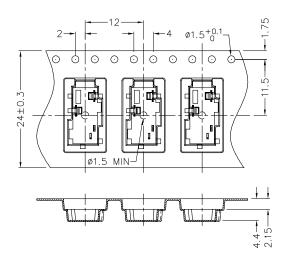


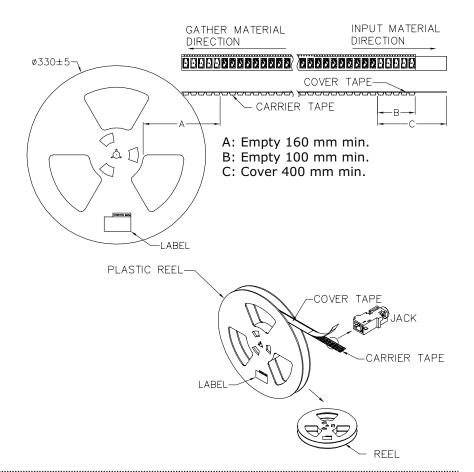
## **PACKAGING**

units: mm

Reel Size: Ø330 mm

Reel QTY: 1,300 pcs per reel





**REVISION HISTORY** 

rev.	description	date	
1.0	initial release	12/02/2016	
1.01	added storage and drying conditions	05/31/2017	

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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