

date 08/18/2022

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# SERIES: SJ2-3586X-SMT | DESCRIPTION: AUDIO JACK

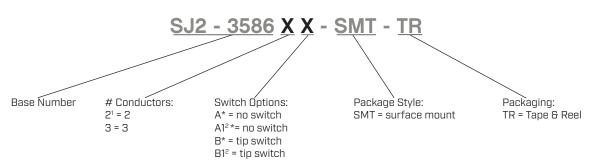
#### **FEATURES**

- narrow footprint
- right angle
- reflow solder compatible
- surface mount
- suitable for medical applications





# PART NUMBER KEY



Notes:

Note:

- 1. 2 conductor option only available with tip switch (B version) 2. Additional sleeve contact

### **SPECIFICATIONS**

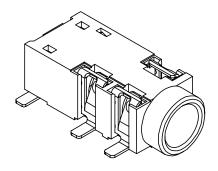
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance <sup>3</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	$m\Omega$
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	for 1 minute			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-O				
RoHS	yes				

<sup>\*</sup>Discontinued models SJ2-35863A1-SMT-TR. SJ2-35863A-SMT-TR, SJ2-35863B-SMT-TR & SJ2-35862B-SMT-TR

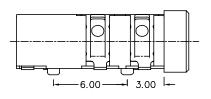
<sup>3.</sup> When measured at a current of less than 100 mA/1 kHz
4. All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

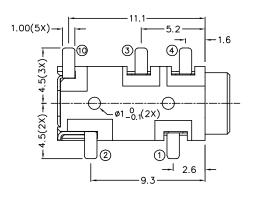
# **MECHANICAL DRAWING**

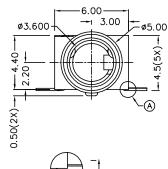
units: mm tolerance: X.X ±0.2 mm X.XX ±0.10 mm X.XXX ±0.050 mm PCB: ±0.05 mm

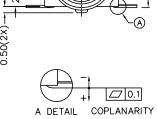


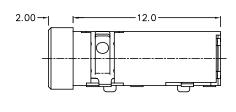
	MATERIAL	PLATING
terminal 1	copper alloy	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	copper alloy	silver
terminal 10	copper alloy	silver
plastic	PA10T	

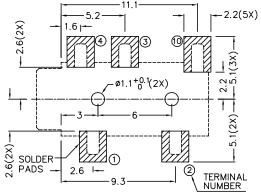




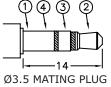








Recommended PCB Layout Top View



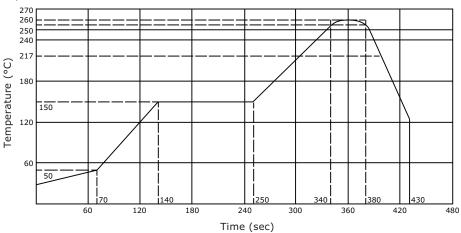
Model No.	SJ2-35862B-SMT	SJ2-35863A-SMT		SJ2-35863B-SMT	SJ2-35863B1-SMT	
Schematic	010	0103	0 1 0 3 0 2 0 4	01 03 010 02	0 1 0 3 0 10 0 10 0 2 0 4	
PIN						
1	sleeve	sleeve	sleeve	sleeve	sleeve	
2 tip		tip	tip	tip	tip	
3	NP	ring	ring	ring	ring	
4	NP	NP	sleeve	NP	sleeve	
10	tip switch	NP	NP	tip switch	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 parts removed from reel: bake at 40°C ±5°C for 10 hour					

Note:

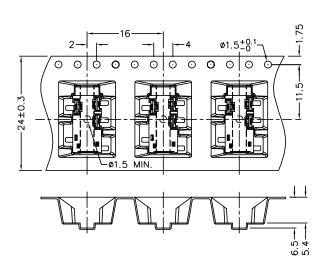
- Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
   When exceeding floor life by >72 hours.

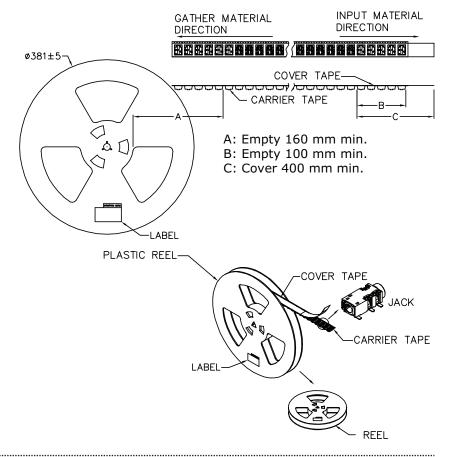


# **PACKAGING**

units: mm

Reel Size: Ø381 mm Reel QTY: 900 pcs per reel





### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	12/19/2016	
1.01	added storage and drying conditions	06/09/2017	
1.02	brand update	10/10/2019	
1.03	discontinued models SJ2-35863A1-SMT-TR, SJ2-35863A-SMT-TR, SJ2- 35863B-SMT-TR & SJ2-35862B-SMT-TR; logo, datasheet style update	08/18/2022	

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



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