

**date** 06/22/2017

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SERIES: SJ2-3594X-SMT | DESCRIPTION: AUDIO JACK

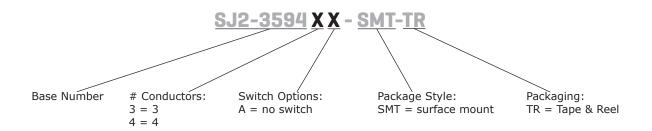
#### **FEATURES**

- brass bushing
- right angle
- reflow solder compatible
- surface mount





## **PART NUMBER KEY**



## **SPECIFICATIONS**

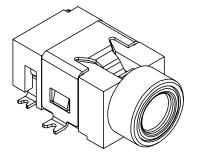
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	Α
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500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

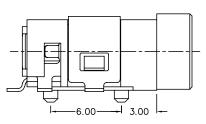
- 1. When measured at a current of less than 100 mA/1 kHz
- 2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

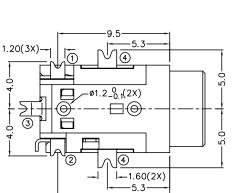
## **MECHANICAL DRAWING**

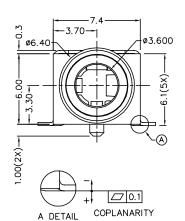
units: mm tolerance:  $X.X \pm 0.2 \text{ mm}$  $X.XX \pm 0.10 mm$  $X.XXX \pm 0.050 \text{ mm}$ PCB: ±0.05 mm

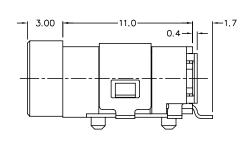


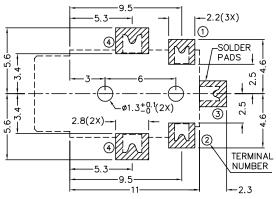
	MATERIAL	PLATING
terminal 1	copper alloy	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	copper alloy	silver
bushing	brass	nickel
plastic	PA10T	



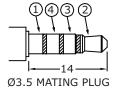








Recommended PCB Layout Top View



Model No.	SJ2-35943A-SMT	SJ2-35944A-SMT	
Schematic	04 \03 \02	01 04 03 03	
PIN			
1	NP	sleeve	
2	tip tip		
3	ring 1	ring 1	
4	ring 2	ring 2	

## **SOLDERABILITY**

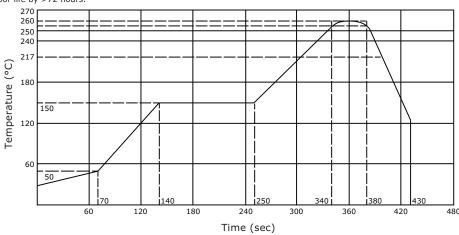
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>1</sup>	see reflow profile	255	260	265	°C
draing conditions?	parts in reel: bake at 40°C ±5°C for 72 hours				

Note:

drying conditions<sup>2</sup>

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.

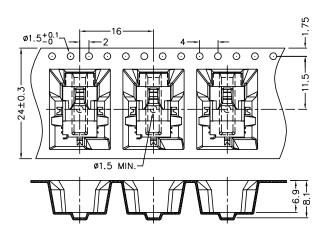
parts removed from reel: bake at 40°C ±5°C for 10 hours

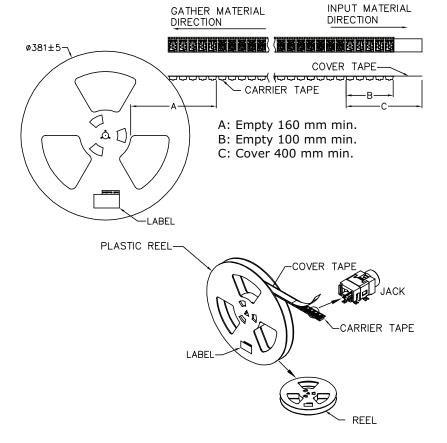


# **PACKAGING**

units: mm

Reel Size: Ø381 mm Reel QTY: 650 pcs per reel





## **REVISION HISTORY**

rev.	description	date
1.0	initial release	12/16/2016
1.01	added storage and drying conditions	06/22/2017

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



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