

Additional Resources: Product Page

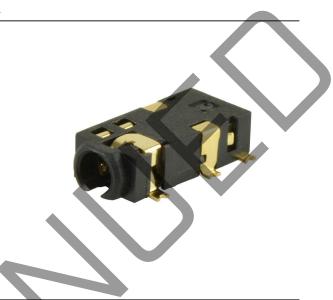
date 08/18/2022

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# SERIES: SJ2-2593X-SMT | DESCRIPTION: AUDIO JACK

#### **FEATURES**

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





## **PART NUMBER KEY**

SJ2 - 2593 X X

Base Number

# Conductors: 4 = 4

Switch Options

A1\*1 = no switch

B1\*1 = tip switch C11 = ring switch

D11 = tip & ring switch D\* = tip & ring switch

Package Style: SMT = surface mount Packaging: TR = Tape & Reel

1. Additional sleeve contact

n. Additional sieeve contact \*Discontinued models SJ2-25934D-SMT-TR, SJ2-25934B1-SMT-TR, 6 SJ2-25934A1-SMT-TR

### **SPECIFICATIONS**

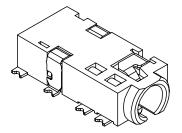
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance <sup>2</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ
insulation resistance	at 500 Vdc	100			ΜΩ
voltage withstand	for 1 minute			500	Vac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

Note:

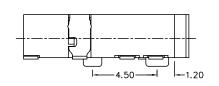
2. When measured at a current of less than 100 mA/1 kHz
3. All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

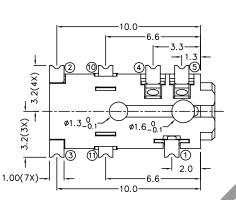
# **MECHANICAL DRAWING**

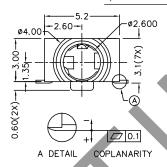
units: mm tolerance: X.X ±0.2 mm X.XX ±0.10 mm X.XXX ±0.050 mm PCB: ±0.05 mm

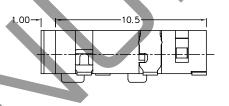


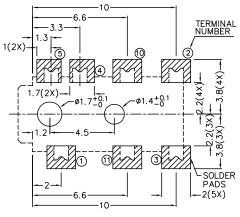
	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 3	copper alloy	gold flash
terminal 4	copper alloy	gold flash
terminal 5	copper alloy	gold flash
terminal 10	copper alloy	gold flash
terminal 11	copper alloy	gold flash
plastic	PA10T	











Recommended PCB Layout Top View



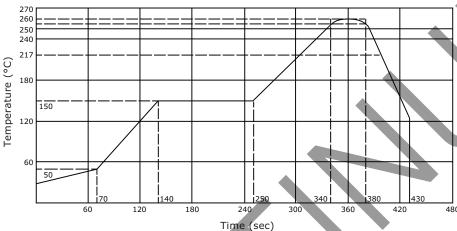
4	Model No.	No. SJ2-25934A1-SMT SJ2-25934B1-SMT SJ2-25934C1-SMT SJ2-25934D1-SMT			SJ2-25934D-SMT		
	Minnel Mn. 202-20834AI-2MI		3J2-2J934B1-3M1	302-2093401-31411	302-2093401-31411	3JZ-ZJ934D-3M1	
JG	Schematic	0 1 0 4 0 3 0 2 0 5	0 1 0 4 0 3 0 10 0 10 0 2 0 5	0 1 0 4 0 3 0 11 0 11 0 2 0 5	0 1 0 4 0 3 0 11 0 10 0 2 0 5	0 1 0 4 0 3 0 11 0 10 0 2	
N	PIN						
	1	sleeve	sleeve	sleeve	sleeve	sleeve	
	2	tip	tip	tip	tip	tip	
	3         ring 1         ring 1           4         ring 2         ring 2           5         sleeve         sleeve           10         NP         tip switch           11         NP         NP		ring 1	ring 1	ring 1	ring 1	
			ring 2	ring 2	ring 2	ring 2	
			sleeve	sleeve	sleeve	NP	
			tip switch	NP	tip switch	tip switch	
			ring 1 switch	ring 1 switch	ring 1 switch		

### **SOLDERABILITY**

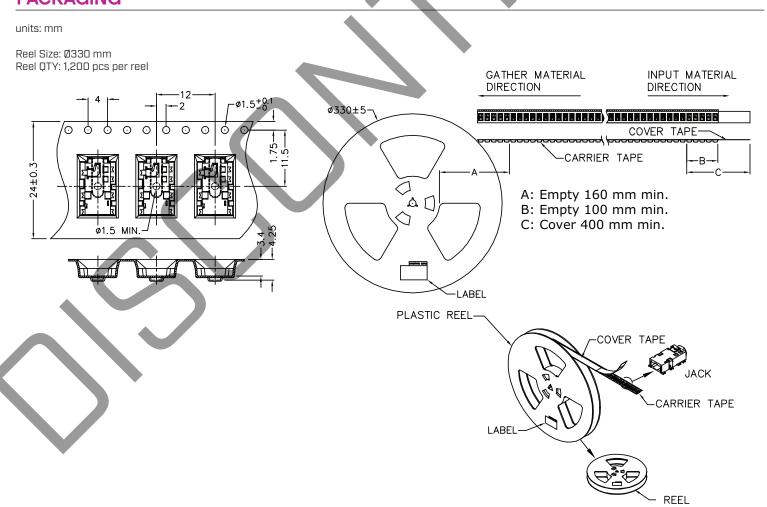
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>1</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>2</sup>	parts in reel: bake at 40°C ±5°C for 72 hours parts remoyed from reel: bake at 40°C ±5°C for 10 hours				

Note:

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



# **PACKAGING**



# **REVISION HISTORY**

rev.	description	date	
1.0	initial release	12/09/2016	
1.01	added storage and drying conditions	06/07/2017	
1.02	brand update	10/07/2019	
1.03	discontinued models SJ2-25934D-SMT-TR, SJ2-25934B1-SMT-TR, & SJ2-25934A1-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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