# **CUI** DEVICES

Additional Resources: Product Page

date 10/07/2019

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SERIES: SJ2-2595X-SMT | DESCRIPTION: AUDIO JACK

### **FEATURES**

- mulitiple switch configurations
- low profile design
- reflow solder compatible
- surface mount





# **PART NUMBER KEY**

Base Number

# Conductors: 4 = 4

Switch Options:

A = no switch B = tip switch

C = ring switch
D = tip & ring switch

Package Style: SMT = surface mount Packaging:

TR = Tape & Reel

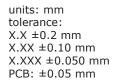
### **SPECIFICATIONS**

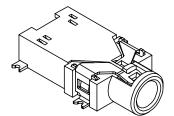
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	$m\Omega$
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute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

When measured at a current of less than 100 mA/1 kHz

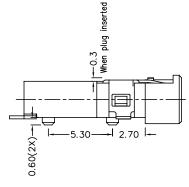
All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

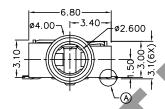
# **MECHANICAL DRAWING**

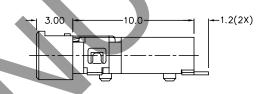


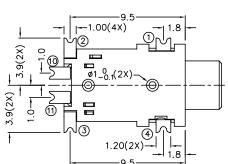


	MATERIAL	PLATING
terminal 1	copper alloy	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	copper alloy	silver
terminal 10	brass	silver
terminal 11	brass	silver
plastic	PA10T	

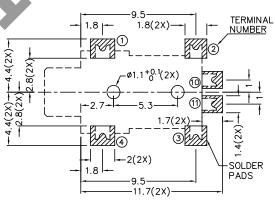




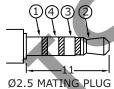








Recommended PCB Layout Top View



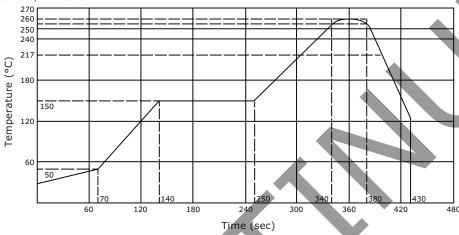
Model No.	SJ2-25954A-SMT	SJ2-25954B-SMT	SJ2-25954C-SMT	SJ2-25954D-SMT
Schematic	01 04 03 02	01 04 03 010 02	01 03 011 02	01 04 03 011 010 02
PIN				
1	sleeve	sleeve	sleeve	sleeve
2	tip	tip	tip	tip
3	ring 1	ring 1	ring 1	ring 1
4	ring 2	ring 2	ring 2	ring 2
10	NP	tip switch	NP	tip switch
11	NP	NP	ring 1 switch	ring 1 switch

# **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <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	O 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.

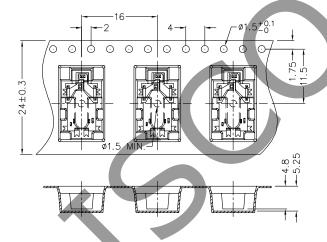


# **PACKAGING**

units: mm

Reel Size: Ø381 mm

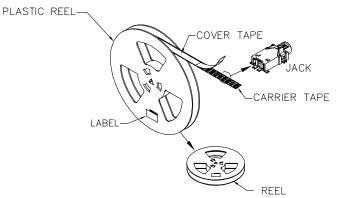
Reel QTY: 1,000 pcs per reel



381±5-COVER TAPE -CARRIER TAPE A: Empty 160 mm min. a / B: Empty 100 mm min. C: Cover 400 mm min. -LABEL

GATHER MATERIAL

DIRECTION



INPUT MATERIAL

DIRECTION

## **REVISION HISTORY**

rev.	description	date
1.0	initial release	12/07/2016
1.01	added storage and drying conditions	06/07/2017
1.02	brand update	10/07/2019

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



# **CUI** DEVICES

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