CUI DEVICES

Additional Resources: Product Page

date 10/08/2019

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MODEL: SJ2-2594A-SMT-TR | DESCRIPTION: AUDIO JACK

FEATURES

- low profile design
- reflow solder compatible
- surface mount





SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance ¹	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-0				
RoHS	yes				

- 1. When measured at a current of less than 100 mA/ 1 kHz2. All specifications measured at $10 \sim 35 ^{\circ}\text{C}$, humidity at $45 \sim 85 ^{\circ}\text{M}$, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

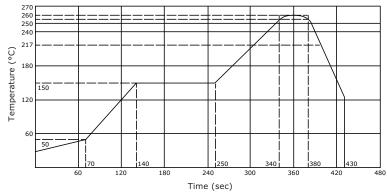
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ³	see reflow profile	255	260	265	°C

drying conditions

parts in reel: bake at 40°C ±5°C for 72 hours

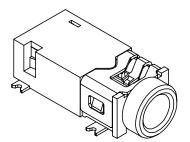
parts removed from reel: bake at 40°C ±5°C for 10 hours

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

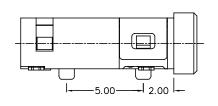


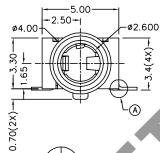
MECHANICAL DRAWING

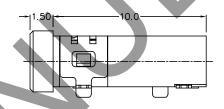
units: mm tolerance: $X.X \pm 0.2 \text{ mm}$ $X.XX \pm 0.10 \text{ mm}$ X.XXX ±0.050 mm PCB: ±0.05 mm

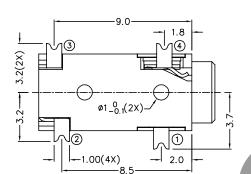


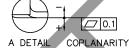
	MATERIAL	PLATING
terminal 1	copper alloy	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	copper alloy	silver
plastic	PA10T	

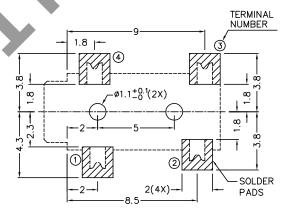




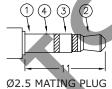








Recommended PCB Layout Top View



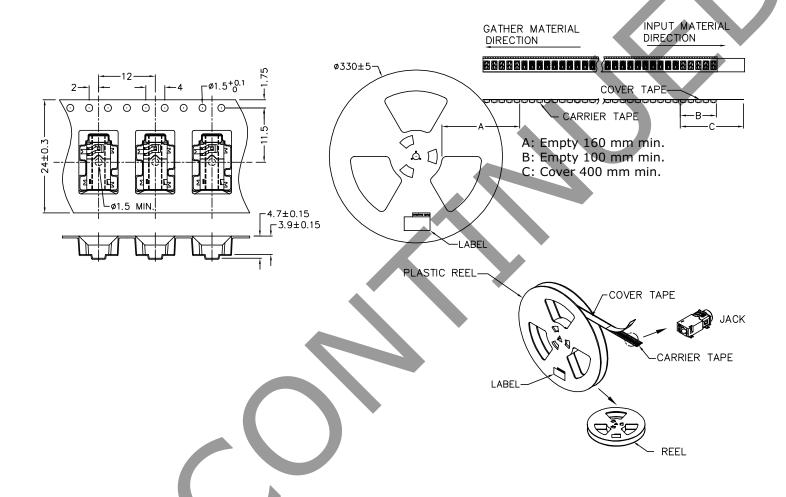
Model No.	SJ2-2594A-SMT-TR
Schematic	0 1 0 3 0 2 0 4
PIN	
1	sleeve
2	tip
3	ring
4	sleeve

PACKAGING

units: mm

Reel Size: Ø330 mm

Reel QTY: 1,200 pcs per reel



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	10/08/2019

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



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