CUI DEVICES

Additional Resources: Product Page

date 10/14/2019

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DESCRIPTION: AUDIO JACK **MODEL:** SJ2-3512D-SMT-TR

FEATURES

- shielded
- two switches; one isolated, one non-isolated
- 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

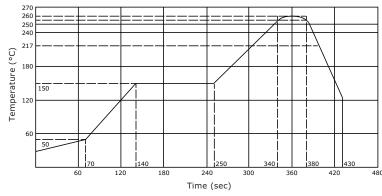
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ³	see reflow profile	255	260	265	°C

drying conditions

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

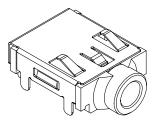
parts removed from reel: bake at 40°C ±5°C for 10 hours

- 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.

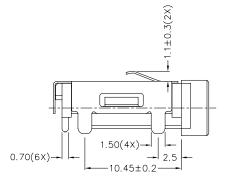


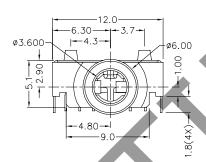
MECHANICAL DRAWING

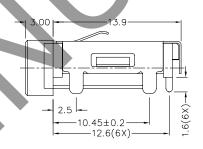
units: mm tolerance: $X.X \pm 0.2 mm$ $X.XX \pm 0.10 mm$ $X.XXX \pm 0.050 \text{ mm}$ PCB: ±0.05 mm

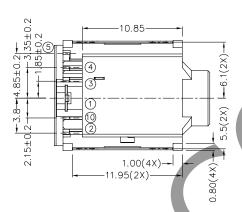


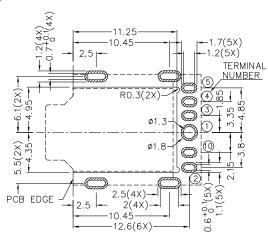
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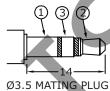












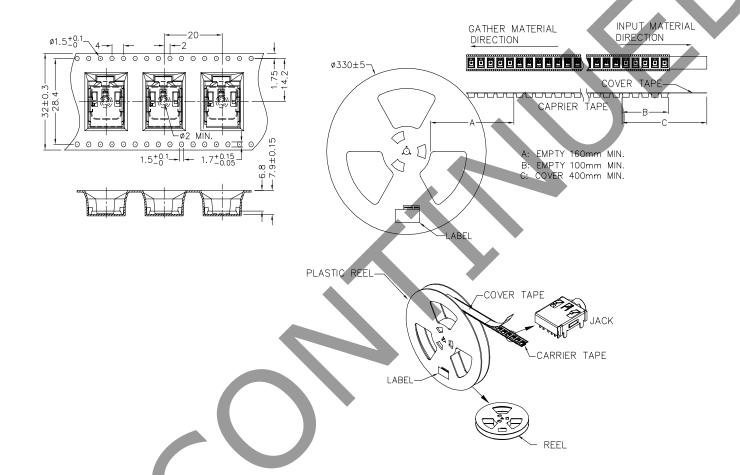
Model No.	SJ2-3512D-SMT-TR	
Schematic	01 02 010 03 03 04	
PIN		
1	sleeve	
2	tip	
3	ring	
4	isolated ring	
5	isolated ring switch (N-O)	
10	tip switch	

Recommended PCB Layout Top View

PACKAGING

units: mm

Reel Size: Ø330 mm Reel QTY: 400 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	12/12/2016
1.01	added storage and drying conditions	06/23/2017
1.02	brand update	10/14/2019

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



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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