CUI DEVICES

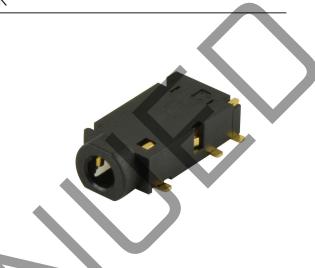
10/08/2019

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MODEL: SJ2-25504D-SMT-TR | DESCRIPTION: AUDIO JACK

FEATURES

- gold flash terminal plating
- ring and tip switch
- low profile design
- reflow solder compatible





SPECIFICATIONS

<u> </u>					
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	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	yes				

- 1. When measured at a current of less than 100 mA/1 kHz 2. All specifications measured at $10{\sim}35^{\circ}\text{C}$, humidity at $45{\sim}85\%$,
- under standard atmospheric pressure, unless otherwise noted.

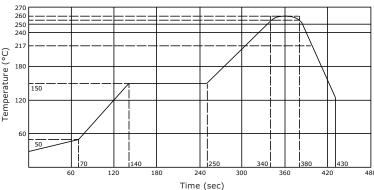
SOLDERABILITY

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 conditions4

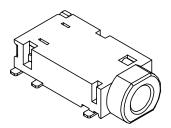
parts in reel: bake at 40°C ±5°C for 72 hours

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.

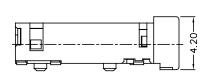


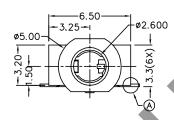
MECHANICAL DRAWING

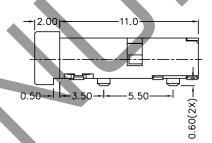
units: mm tolerance: $X.X \pm 0.2 mm$ $X.XX \pm 0.10 mm$ $X.XXX \pm 0.050 \text{ mm}$ PCB: ±0.05 mm

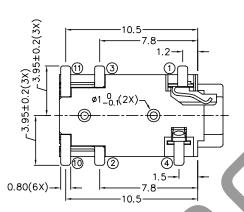


	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 3	copper alloy	gold flash
terminal 4	copper alloy	gold flash
terminal 10	copper alloy	gold flash
terminal 11	copper alloy	gold flash
plastic	PA10T	

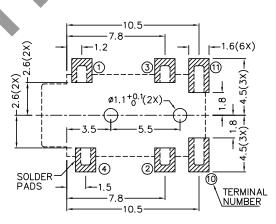




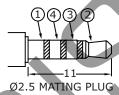








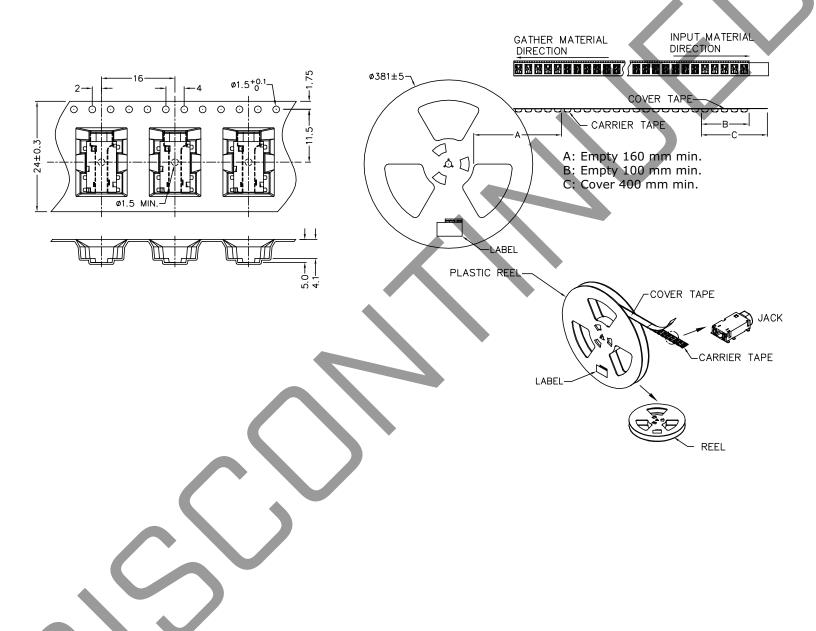
Recommended PCB Layout Top View



Model No.	SJ2-25504D-SMT-TR
Schematic	01 04 03 011 010 02
PIN	
1	sleeve
2	tip
3	ring 1
4	ring 2
10	tip switch
11	ring 1 switch

units: mm

Reel Size: Ø381 mm Reel QTY: 1,100 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	12/12/2016
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.



CUI DEVICES

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