CUI DEVICES

date 10/08/2019

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MODEL: SJ-3551B-MSMT-TR-67 **DESCRIPTION: AUDIO JACK**

FEATURES

- IP67 waterproof
- mid surface mount
- angle insertion hole
- reflow solder compatible







SPECIFICATIONS

narameter	conditions/description	min	tun	max	units
parameter	conditions/ description	111111	typ	IIIax	
rated input voltage			12		Vdc
rated input current				1	Α
contact resistance ¹	between terminal and mating plug			50	mΩ
	between terminal and shunt			50	mΩ
insulation resistance	at 500 Vdc between adjacent contacts	100			МΩ
voltage withstand	for 1 minute between adjacent contacts			250	Vac
insertion/withdrawal force		0.4		3	kgf
operating temperature		-30		85	°C
storage temperature		-40		85	°C
life	at a rate of 500 cycles/hour	10,000		cycles	
flammability rating	UL94V-0				
RoHS	yes				
IP level	IP67				

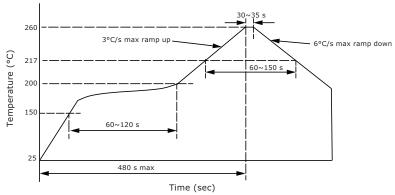
Note:

- 1. When measured at a current of less than 100 mA/1 kHz 2. All specifications measured at $10\sim35^{\circ}\text{C}$, humidity at $45\sim85\%$, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			30	°C
reflow soldering ³	see reflow profile		260	270	°C

Note: 3. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.



6-0.80

0-ring

2-4.70±0.15

(ø3.70)

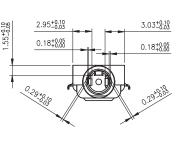
2-(0.20)

(0.15)

MECHANICAL DRAWING

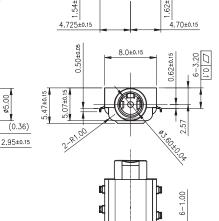
units: mm tolerance: $X.X \pm 0.3 \text{ mm}$ $X.XX \pm 0.20 \text{ mm}$ PCB: ±0.05 mm

		MATERIAL	PLATING
	housing 2	PA-9T	black
	housing 1	PA-9T	black
	assist pin	stainless steel	
	GND contact	PBS	
	ring 2 contact	PBS	-
	tip contact	titaninum copper alloy	contact: 5 μ″ gold
	term. 5 contact	PBS	- others: gold flash
2-4.725±0.15	term. 6 contact	PBS	-
2-(0.15)	ring 1 contact	PBS	-
SMT SUCTION AREA	o-ring	silicone	black

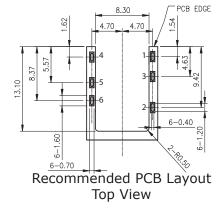


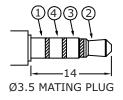
14.1±0.15

14.6±0.15

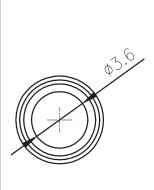


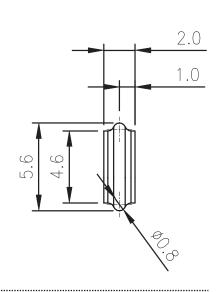
8.00±0.15



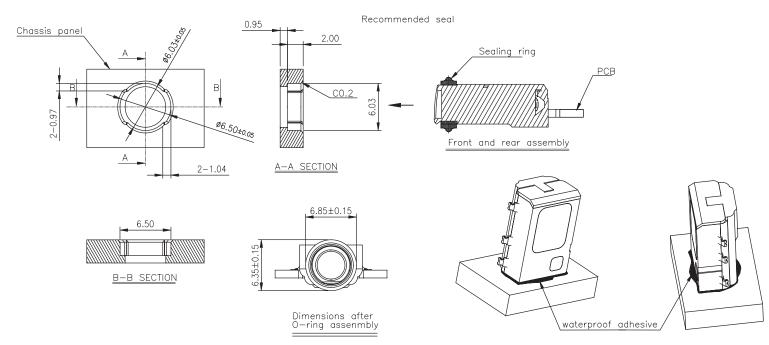


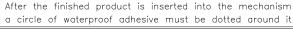
Schematic	01 04 02 05 06 03	
PIN		
1	sleeve	
2	tip	
3	ring 1	
4	ring 2	
5	isolated tip	
6	isolated tip switch (N-O)	

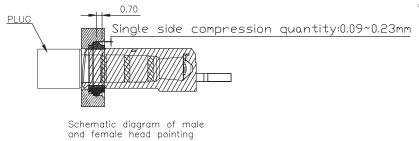




ASSEMBLY REFERENCE



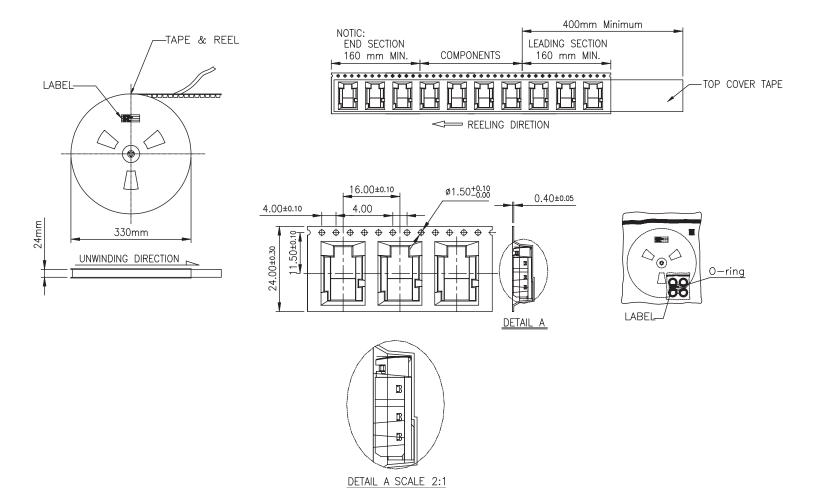




PACKAGING

units: mm

Reel Size: Ø330 mm Reel QTY: 600 pcs per reel



Additional Resources: Product Page | 3D Model | PCB Footprint

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REVISION HISTORY

rev.	description	date
1.0	initial release	12/05/2018
1.01	changed GND contact plating to be gold, moved o-rings to vacuum bag	08/08/2019
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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