

date 06/23/2017

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MODEL: SJ2-35344B-SMT-TR **DESCRIPTION: AUDIO JACK** 

#### **FEATURES**

- brass bushing
- tip switch
- low profile design
- surface mount
- suitable for medical applications





#### **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	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	2011/65/EU				

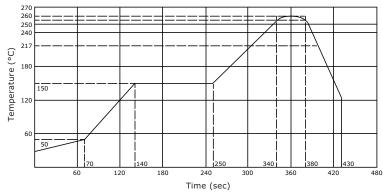
- When measured at a current of less than 100 mA/1 kHz
  All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

# **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>3</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>4</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 hours				

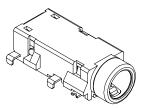
Note:

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

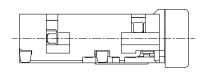


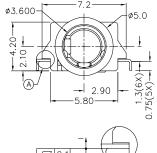
## **MECHANICAL DRAWING**

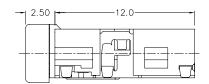
units: mm tolerance:  $X.X \pm 0.2 \text{ mm}$  $X.XX \pm 0.10 mm$ X.XXX ±0.050 mm PCB: ±0.05 mm

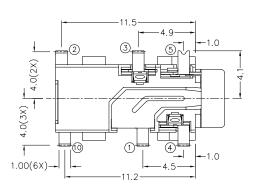


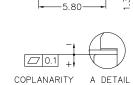
	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 3	copper alloy	gold flash
terminal 4	copper alloy	gold flash
terminal 5	stainless steel	gold flash
terminal 10	copper alloy	gold flash
bushing	brass	nickel
plastic	PA10T	

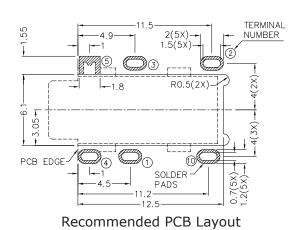






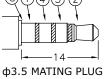






Top View

SJ2-35344B-SMT-TR Model No.

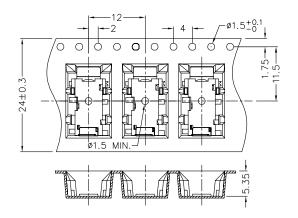


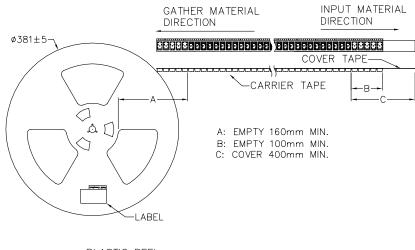
	032 000 1 12 0111 111	
Schematic	0 1 0 4 0 3 0 3 0 10 0 2 0 5	
PIN		
1	sleeve	
2	tip	
3	ring 1	
4	ring 2	
5	sleeve	
10	tip switch	

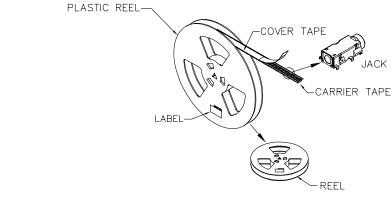
## **PACKAGING**

units: mm

Reel Size: Ø381 mm Reel QTY: 1,400 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

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



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

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