

# MODEL: SJD1-3201-54 | DESCRIPTION: AUDIO JACK

#### **FEATURES**

- dual port jack 3.5 mm and 2.5 mm
- placement pins for secure PCB mounting
- 2 switch design for 3.5 mm port; 1 switch for 2.5 mm port



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## **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				

Note:

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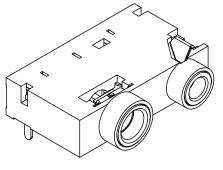
1. When measured at a current of less than 100 mA/1 kHz 2. All specifications measured at  $10\sim35^{\circ}$ C, humidity at  $45\sim85\%$ , under standard atmospheric pressure, unless otherwise noted.

#### **SOLDERABILITY**

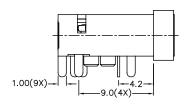
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 $\pm 0.5$ seconds	255	260	265	°C

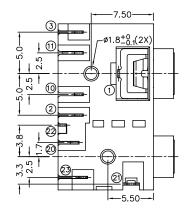
### **MECHANICAL DRAWING**

units: mm tolerance: X.X ±0.2 mm X.XX ±0.10 mm X.XXX ±0.050 mm PCB: ±0.05 mm

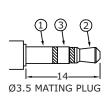


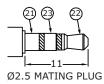
	MATERIAL	PLATING	
terminal 1	copper alloy	tin	
terminal 2	copper alloy	tin	
terminal 3	copper alloy	tin	
terminal 10	brass	tin	
terminal 11	brass	tin	
terminal 20	brass	tin	
terminal 21	copper alloy	tin	
terminal 22	copper alloy	tin	
terminal 23	copper alloy	tin	
bushing	brass	nickel	
plastic	PBT		

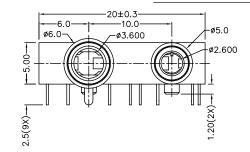


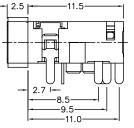


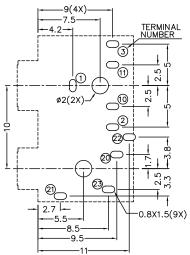
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Recommended PCB Layout Top View

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Model No.	SJD1-3201-54		
Schematic	PIN		
Ø3.5	1	sleeve	
	2	tip	
	3	ring	
	10	tip switch	
	11	ring switch	
Ø2.5	20	tip switch	
023	21	sleeve	
	22	tip	
	23	ring	

#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	08/07/2007
1.01	updated pin numbering	01/15/2008
1.02	changed part mold tooling	04/07/2017

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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