

MODEL: SJD1-3201-54 | **DESCRIPTION:** AUDIO JACK**FEATURES**

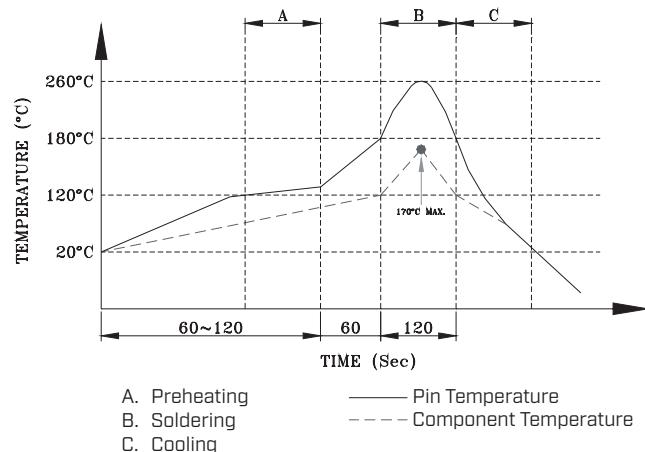
- dual port jack - 3.5 mm and 2.5 mm
- placement pins for secure PCB mounting
- 2 switch design for 3.5 mm port; 1 switch for 2.5 mm port

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand				500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
storage temperature		-40		85	°C
life			5,000		cycles
flammability rating	see material table				
RoHS	yes				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
wave soldering	for max 5 seconds	255	260	265	°C



units: mm
tolerance:
X.X ± 0.2 mm
X.XX ± 0.15 mm
X.XXX ± 0.10 mm
PCB: ± 0.05 mm

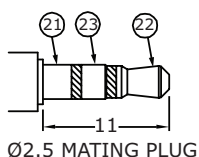
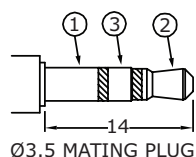
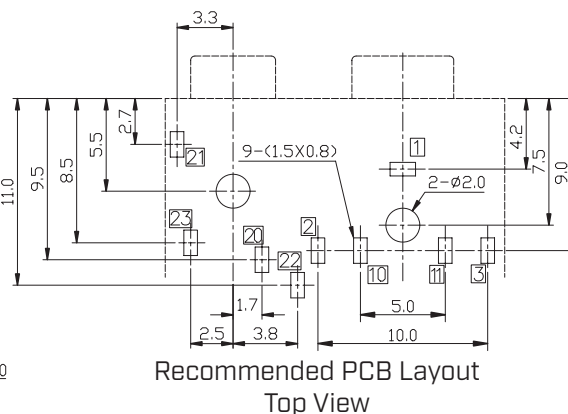
Technical drawing of a mechanical part, showing two views: a front view (left) and a side view (right).

Front View (Left):

- Overall width: 20.0 ± 0.3
- Distance from left edge to first hole center: 6.0 ± 0.3
- Distance between hole centers: 10.0 ± 0.3
- Left hole diameter: $\phi 6.0 \pm 0.2$
- Right hole diameter: $\phi 5.0 \pm 0.2$
- Distance from left edge to first hole edge: $\phi 3.6 \pm 0.05$
- Distance from left edge to first hole edge (bottom): 5.0 ± 0.3
- Distance from left edge to first hole edge (bottom): 10.0 ± 0.3
- Distance from left edge to first hole edge (bottom): 1.7 ± 0.3
- Distance from left edge to first hole edge (bottom): 3.8 ± 0.3
- Distance from left edge to first hole edge (bottom): 2.5 ± 0.3
- Distance from left edge to first hole edge (bottom): 3.3 ± 0.3
- Distance from left edge to first hole edge (bottom): $2 - \phi 1.4 \pm 0.1$

Side View (Right):

- Overall height: 11.0
- Distance from top edge to first hole edge: 2.5 ± 0.2
- Distance from top edge to first hole edge: 11.5 ± 0.3
- Distance from top edge to first hole edge: 1.2
- Distance from top edge to first hole edge: 5.0 ± 0.3
- Distance from top edge to first hole edge: 2.7 ± 0.4
- Distance from top edge to first hole edge: $9 - 1.00$
- Distance from top edge to first hole edge: 2.7 ± 0.3
- Distance from top edge to first hole edge: 4.2 ± 0.3
- Distance from top edge to first hole edge: 5.5 ± 0.3
- Distance from top edge to first hole edge: 7.5 ± 0.3
- Distance from top edge to first hole edge: 8.5 ± 0.3
- Distance from top edge to first hole edge: 9.0 ± 0.3
- Distance from top edge to first hole edge: 9.5 ± 0.3
- Distance from top edge to first hole edge: 11.0 ± 0.3



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
	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
1.03	brand update	10/14/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	06/14/2023

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



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