

**MODEL:** SJ-2509N | **DESCRIPTION:** AUDIO JACK**FEATURES**

- 2.5 mm stereo
- right angle
- through hole
- 3 conductors
- 0 internal switch

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance <sup>1</sup>	between terminal and contact between terminal and mating plug			30 50	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force	when mating with a standard jack	0.3		2	kgf
withdrawal force	when mating with a standard jack	0.3		2	kgf
operating temperature		-20		60	°C
storage temperature		-25		70	%
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

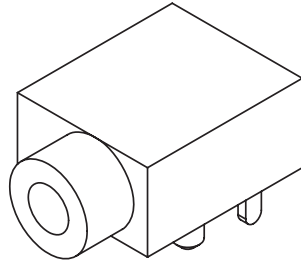
Note: 1. When measured at a current of less than 100 mA/1 kHz  
2. All specifications measured at 5~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

**SOLDERABILITY**

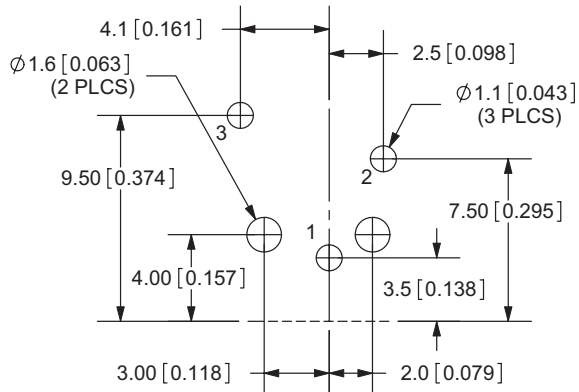
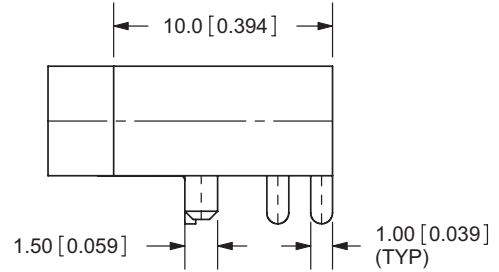
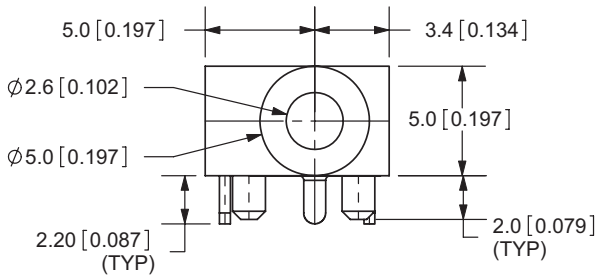
parameter	conditions/description	min	typ	max	units
wave soldering				265	°C

## MECHANICAL DRAWING

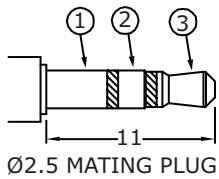
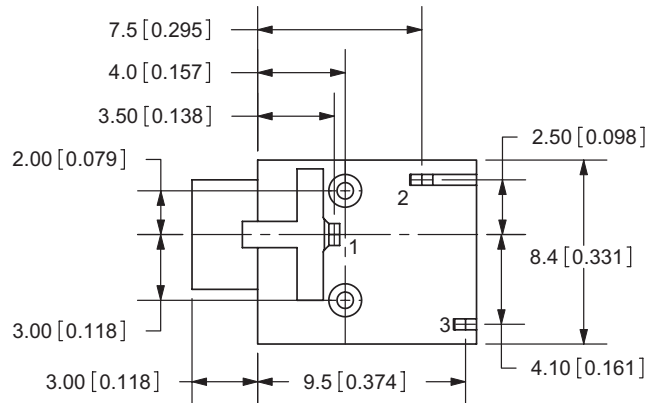
units: mm[inch]  
 tolerance:  
 X.X ±0.5 mm  
 X.XX ±0.3 mm  
 X.XXX ±0.15 mm  
 PCB: ±0.1 mm



ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	sleeve	PBS	matte tin
2	tip	PBS	matte tin
3	ring	PBS	matte tin
4	housing	PBT	black



Recommended PCB Layout  
Top View



Schematic	
PIN	
1	sleeve
2	ring
3	tip

## REVISION HISTORY

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rev.	description	date
1.0	initial release	12/05/2005
1.01	added missing dimension	09/28/2009
1.02	brand update	01/20/2021

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

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