

**SERIES:** SJ1-352XNG | **DESCRIPTION:** AUDIO JACK

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**FEATURES**

- low profile design
- switch options include:
  - no switch
  - tip switch
  - tip and ring switch

**PART NUMBER KEY**

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Note: 1. Tip and ring switch model only.

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between terminal and mating plug			100	mΩ
	between terminal in a closed circuit			50	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			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

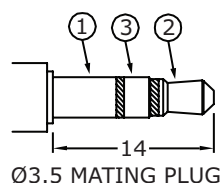
## MECHANICAL DRAWING

units: mm  
tolerance:  
X.X  $\pm 0.3$  mm  
X.XX  $\pm 0.25$  mm  
X.XXX  $\pm 0.20$  mm  
PCB:  $\pm 0.05$  mm  
unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	copper alloy t=0.20	silver over nickel
terminal 2	stainless steel t=0.20	silver over nickel
terminal 3	stainless steel t=0.20	silver over nickel
terminal 4	brass t=0.40	silver over nickel
terminal 5	brass t=0.40	silver over nickel
bushing	brass	nickel
housing	PBT (UL94V-0)	see color options



Recommended PCB Layout  
Top View



Ø3.5 MATING PLUG

Model No.	SJ1-3523NG	SJ1-3524NG	SJ1-3525NG
Schematic			
PIN			
1	sleeve	sleeve	sleeve
2	tip	tip	tip
3	ring	ring	ring
4	NP	tip switch	tip switch
5	NP	NP	ring switch

## SOLDERABILITY

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



## REVISION HISTORY

rev.	description	date
1.0	initial release	10/21/2005
1.01	new template applied	01/25/2012
1.02	changed terminal plating to silver	02/13/2019
1.03	brand update	10/10/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	03/30/2023

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



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