

**date** 03/30/2023

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

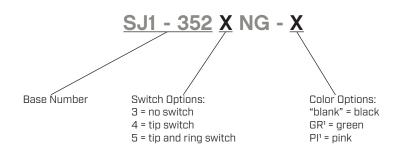
#### **FEATURES**

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





### **PART NUMBER KEY**



Note: 1. Tip and ring switch model only.

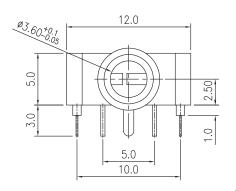
### **SPECIFICATIONS**

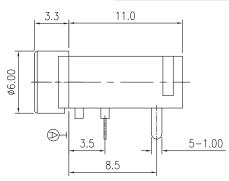
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance	between terminal and mating plug between terminal in a closed circuit			100 50	$m\Omega$
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-O				
RoHS	yes				

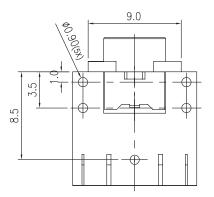
### **MECHANICAL DRAWING**

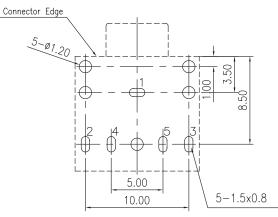
units: mm tolerance: X.X ±0.3 mm X.XX ±0.25 mm X.XXX ±0.20 mm PCB: ±0.05 mm unless otherwise specified

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

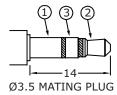








Recommended PCB Layout Top View

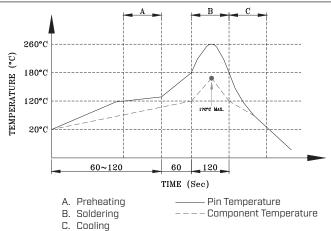


Model No.	SJ1-3523NG	SJ1-3524NG	SJ1-3525NG
Schematic	°1 °3 °2	01 03 04 02	01 03 05 05 04 02
PIN			
1	sleeve	sleeve	sleeve
2	tip	tip	tip
3	ring	ring	ring
4	NP	tip switch	tip switch
5	NP	NP	ring switch

Additional Resources: Product Page | 3D Model | PCB Footprint

# **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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