

Additional Resources: Product Page | PCB Footprint

date 03/10/2025

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# SERIES: SJ1-353XNG | DESCRIPTION: AUDIO JACK

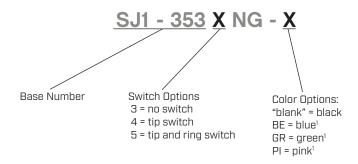
#### **FEATURES**

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





## **PART NUMBER KEY**



Note: 1. Tip and ring switch option only.

### **SPECIFICATIONS**

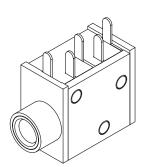
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance				50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

## **SOLDERABILITY**

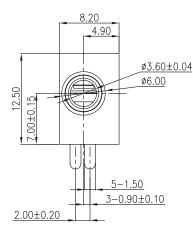
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5±0.5 seconds	255	260	265	°C

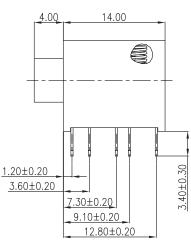
# **MECHANICAL DRAWING**

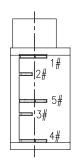
units: mm tolerance: X. ±0.50 mm X.X ±0.30 mm X.XX ±0.20 mm PCB: ±0.05 mm unless otherwise specified

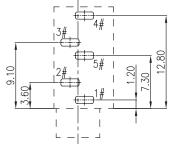


DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass t=0.3 mm	silver
terminal 2	brass t=0.3 mm	silver
terminal 3	copper alloy	silver
terminal 4	brass t=0.3 mm	silver
terminal 5	brass t=0.3 mm	silver
bushing	brass	nickel
spring	carbon steel	
housing	PBT (UL94V-0)	see page 1 options
cover	PBT (UL94V-0)	see page 1 options

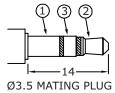








Recommended PCB Layout Top View



Model No.	SJ1-3533NG	SJ1-3534NG	SJ1-3535NG
Schematic	°1 °3 °2	°1 °3 °4 °2	01 03 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

#### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	06/04/2007	
1.01	new template applied	01/25/2012	
1.02	updated product picture	04/18/2013	
1.03	brand update	10/10/2019	
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	08/10/2022	
1.05	CUI Devices rebranded to Same Sky	09/12/2024	
1.06	changed terminal plating to be silver	03/10/2025	

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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