# **CUI** DEVICES

**date** 10/10/2019

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SERIES: SJ1-353XNG | DESCRIPTION: 3.5 MM AUDIO JACK

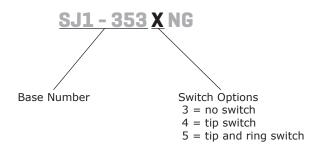
#### **FEATURES**

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





## **PART NUMBER KEY**



## **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*			50 30	MΩ MΩ
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac
insertion/withdrawl force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
RoHS	yes				

## **SOLDERABILITY**

\*When measured at a current of less than 100 mA / 1 kHz

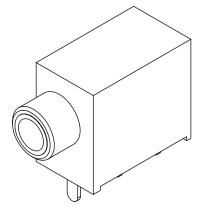
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5±0.5 seconds at	255	260	265	°C

## **MECHANICAL DRAWING**

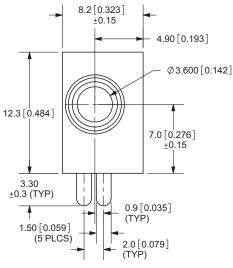
units: mm[inches]

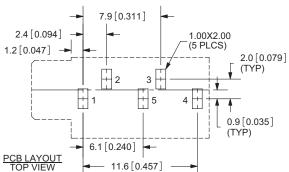
TOLERANCE:
X.X ±0.2mm
X.XX ±0.1mm

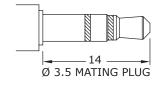
 $X.XXX \pm 0.05mm$ 

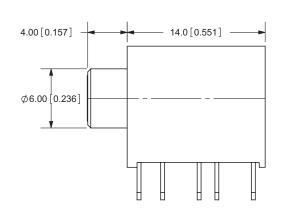


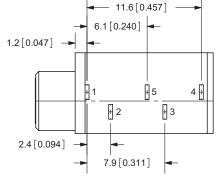
	MATERIAL	PLATING
terminal 1	brass	tin
terminal 2	brass	tin
terminal 3	brass	tin
terminal 4	brass	tin
terminal 5	brass	tin
bushing	brass	nickel
spring	stainless steel	
plastic	PBT	











Model No.	SJ1-3533NG	SJ1-3534NG	SJ1-3535NG
Schematic	°1 °3 °3	01 03 04 02	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

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

CUI Inc SERIES: SJ1-353XNG DESCRIPTION: 3.5 MM AUDIO JACKS date 10/10/2019 page 3 of 3

### **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

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

# **CUI** DEVICES

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

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