## **CUI** DEVICES

Additional Resources: Product Page

**date** 01/31/2020

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SERIES: SJ-358XNG | DESCRIPTION: AUDIO JACK

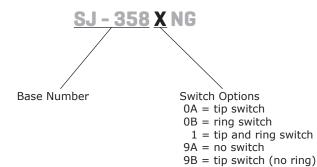
#### **FEATURES**

- low profile design
- switch options include:
- no switch
- tip switch
- ring switch
- tip and ring switch
- w/isolated DPDT switch
- plastic bushing
- w/kinked pins





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

#### **SOLDERABILITY**

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

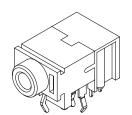
Notes:

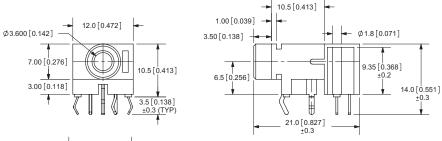
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for $5\pm0.5$ seconds at	255	260	265	°C

## **MECHANICAL DRAWING**

units: mm[inches]

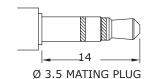
TOLERANCE:  $X.X \pm 0.2$ mm  $X.XX \pm 0.1$ mm  $X.XXX \pm 0.05$ mm





	±0.3
12.5 [0.492]	
10.0[0.394]	10.0 [0.394] (5 PLCS)
5.0 [0.197]	5.0 [0.197] Ø 1.30 [0.051] (4 PLCS)
3	10 THE 1 THE STATE OF THE STATE
Ø1.60 [0.063]	0.0[0.118] (3 PLCS) 12.5 [0.492]
PCB LAYOUT (5 PLCS) TOP VIEW	(3 PLCS)

	MATERIAL	PLATING
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	copper alloy	tin
terminal 4	brass	silver
terminal 5	brass	silver
terminal 6	brass	silver
terminal 7	brass	silver
terminal 8	brass	silver
terminal 9	brass	silver
terminal 10	brass	tin
terminal 11	brass	tin
spring	stainless steel	
contact clip	C5210R-EH	silver
insulator	PA66	
plastic	PBT	



Model No.	SJ-3580ANG	SJ-3580BNG	SJ-3581NG	SJ-3589ANG	SJ-3589BNG	
	0 1 0 3 0 10 0 10 0 2	0 1 0 3 0 11 0 11	0 1 0 3 0 11 0 10 0 2	° 1 ° 3 ° 2	○ 1 ○ 10 ○ 2	
Schematic	Plug	Plug	Plug	Plug	Plug	
	Plug   O   D   D   D   D   D   D   D   D   D	Plug   O   1   2   3   4   O   7   7   1   1   1   1   1   1   1   1	Plug   0   4   0   7   7   8   1   1   1   1   1   1   1   1   1	Plug   0   2   0   7   1   1   1   1   1   1   1   1   1	Plug   0   5   0   8   1   1   1   1   1   1   1   1   1	
Pin						
1	sleeve	sleeve	sleeve	sleeve	sleeve	
2	tip	tip	tip	tip	tip	
3	ring	ring	ring	ring	NP	
10	tip switch	NP	tip switch	NP	tip switch	
11	NP	ring switch	ring switch	NP	NP	

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#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	09/13/2006
1.01	new template applied	01/27/2012
1.02	brand update	01/31/2020

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

# **CUI** DEVICES

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