# **CUI** DEVICES

**date** 10/09/2019

page 1 of 4

**SERIES:** SJ1-351X | **DESCRIPTION:** 3.5 MM AUDIO JACK

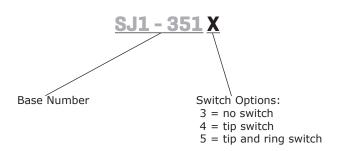
#### **FEATURES**

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





### **PART NUMBER KEY**



#### **SPECIFICATIONS**

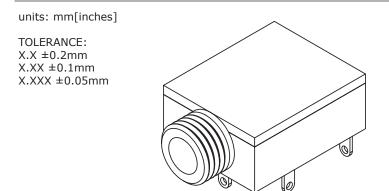
rated input voltage					
			12		Vdc
rated input current				1	Α
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	at 50/60 Hz for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

Notes: 1. When measured at a current of less than 100 mA / 1 kHz

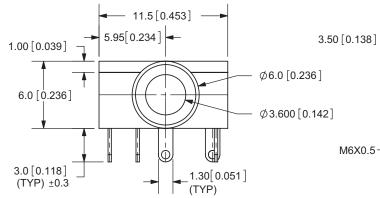
### **SOLDERABILITY**

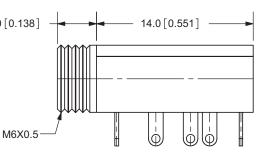
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5±0.5 seconds at	255	260	265	°C

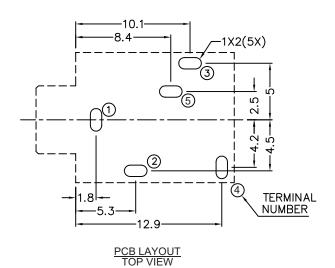
**MECHANICAL DRAWING** 

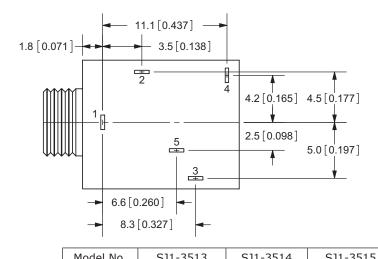


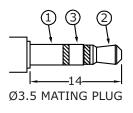
	MATERIAL	PLATING
terminal 1	brass	silver
terminal 2	brass	silver
terminal 3	brass	silver
terminal 4	brass	silver
terminal 5	brass	silver
bushing	brass	nickel
spring	stainless steel	
cover	PBT	
plastic	PBT	









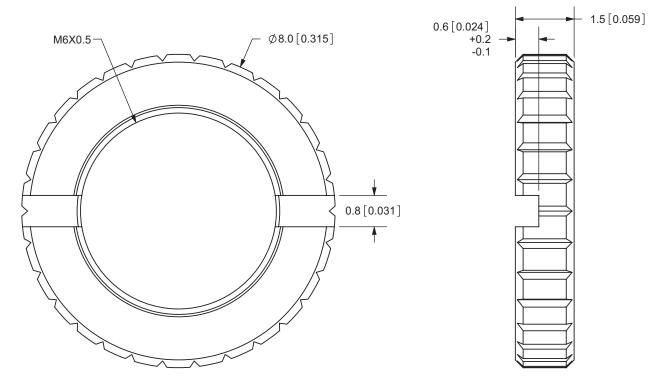


Model No.	SJ1-3513	SJ1-3514	SJ1-3515
Schematic	○1 ○3 ○3 ○2	01 03 04 02	01 03 05 05 04
PIN			
1	sleeve	sleeve	sleeve
2	tip	tip	tip
3	ring	ring	ring
4	NP	tip switch	tip switch
5	NP	NP	ring switch

### **MECHANICAL DRAWING (CONTINUED)**

units: mm[inches]

TOLERANCE: ±0.1mm



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

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#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	09/06/2006
1.01	new template applied	09/10/2011
1.02	nut drawing added	01/25/2012
1.03	changed top cover to PBT	04/19/2017
1.04	changed terminal plating to silver	02/12/2019
1.05	brand update	10/09/2019

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

## **CUI** DEVICES

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