

**CUI** INC

**date** 11/01/2012

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SERIES: SJ1-351X-SMT | DESCRIPTION: 3.5 MM AUDIO JACKS

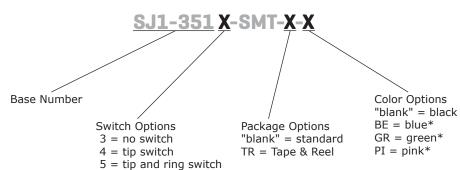
#### **FEATURES**

- low profile design
- switch options include:
- no switch
- tip switch
- tip and ring switch
- gold flash
- · plastic housing





# **PART NUMBER KEY**



\*tip and ring switch model only

#### **SPECIFICATIONS**

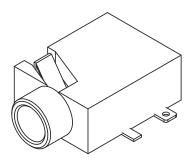
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance	between terminal and mating plug between terminal in a closed circuit <sup>1</sup>			50 30	$m\Omega$
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	at 50/60Hz for 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

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

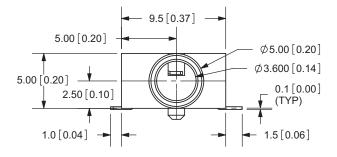
## **MECHANICAL DRAWING**

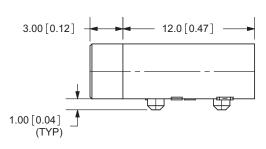
units: mm[inches]

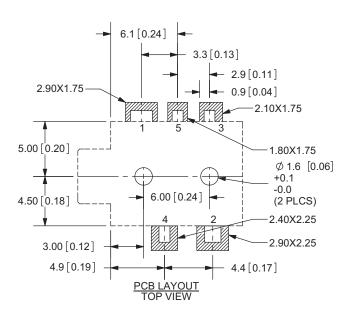
TOLERANCE:  $X.X \pm 0.2mm$  $X.XX \pm 0.1mm$  $X.XXX \pm 0.05mm$ 

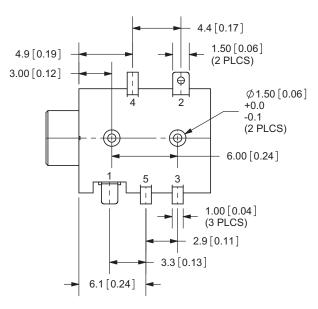


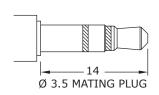
	MATERIAL	PLATING
terminal 1	copper alloy	gold
terminal 2	copper alloy	gold
terminal 3	copper alloy	gold
terminal 4	brass	gold
terminal 5	brass	gold
plastic	PA6T	







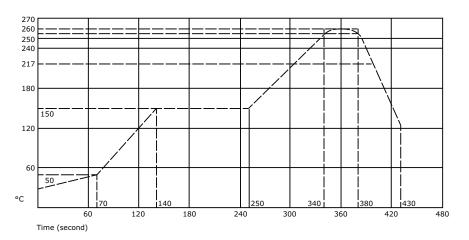




Model No.	SJ1-3513-SMT	SJ1-3514-SMT	SJ1-3515-SMT
Model No.	331-3313-3111	331-3314-3111	331-3313-3111
Schematic	°1 °3 °2	01 03 04 02	01 03 05 04 04
PIN			
1	sleeve	sleeve	sleeve
2	tip	tip	tip
3	ring	ring	ring
4	NP	tip switch	tip switch
5	NP	NP	ring switch

# **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reflow soldering	see reflow profile	255	260	265	°C



#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	11/21/2005
1.01	new template applied	01/27/2012
1.02	added TR package and color options	11/01/2012

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



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

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