

date 05/01/2015

page 1 of 4

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

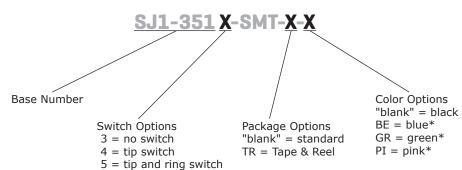
FEATURES

- 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

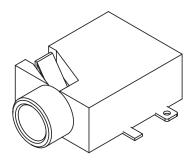
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance ¹	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ 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
flammability rating	UL94V-0				
RoHS	2011/65/EU				
Notes: 1. When measured at a cu	rrent of less than 100 mA / 1 kHz				

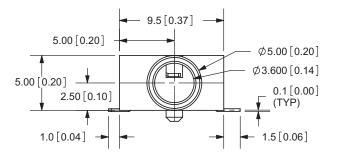
MECHANICAL DRAWING

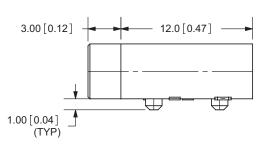
units: mm[inches]

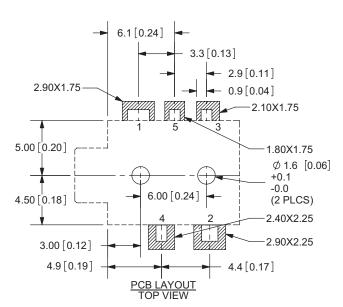
TOLERANCE: $X.X \pm 0.2mm$ $X.XX \pm 0.1mm$ $X.XXX \pm 0.05mm$

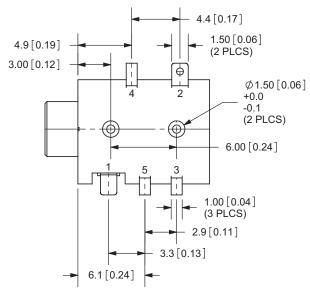


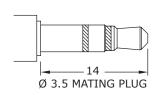
MATERIAL	PLATING
copper alloy	gold (min 0.5 μ")
copper alloy	gold (min 0.5 μ")
copper alloy	gold (min 0.5 μ")
brass	gold (min 0.5 μ")
brass	gold (min 0.5 μ")
PA6T	
	copper alloy copper alloy brass brass







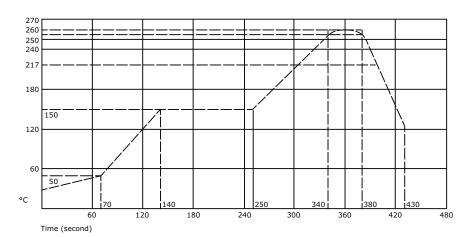




Model No.	SJ1-3513-SMT	SJ1-3514-SMT	SJ1-3515-SMT
Schematic	°1 °3 °2	01 03 04 02	01 03 05 04 02
PIN			
1	sleeve	sleeve	sleeve
2	tip	tip	tip
3	ring	ring	ring
4	NP	tip switch	tip switch
5	NP	NP	ring switch

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	
1.03	updated datasheet	05/01/2015	

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



Headquarters 20050 SW 112th Ave. Tualatin, OR 97062 **800.275.4899**

Fax 503.612.2383 **cui**.com techsupport@cui.com

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

CUI reserves the right to make changes to the product at any time without notice. Information provided by CUI is believed to be accurate and reliable. However, no responsibility is assumed by CUI for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.