

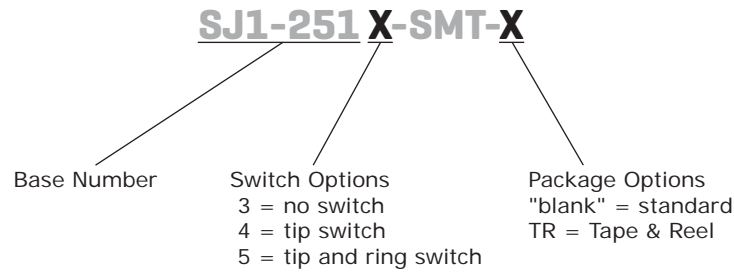
**SERIES:** SJ1-251X-SMT | **DESCRIPTION:** 2.5 MM AUDIO JACKS

**FEATURES**

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



**PART NUMBER KEY**



**SPECIFICATIONS**

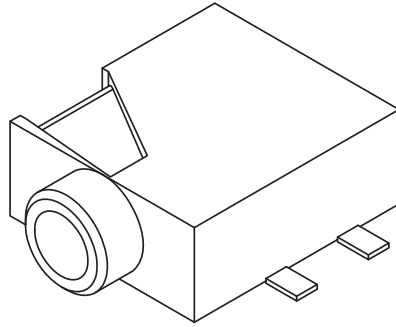
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between terminal and mating plug between terminal in a closed circuit <sup>1</sup>			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	at 50/60Hz for 1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

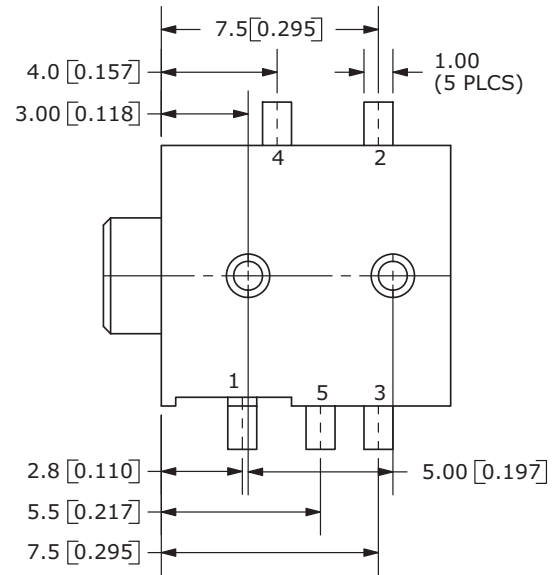
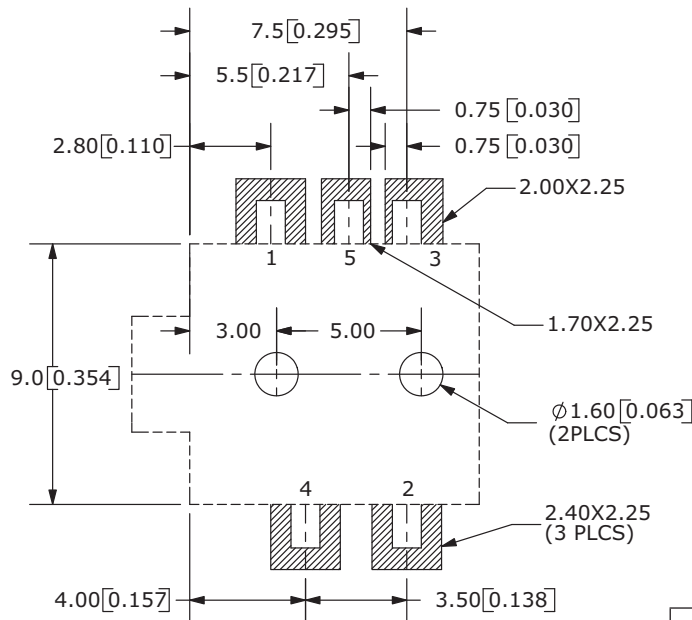
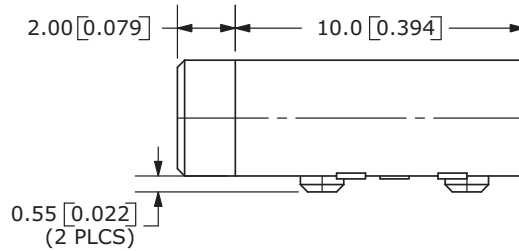
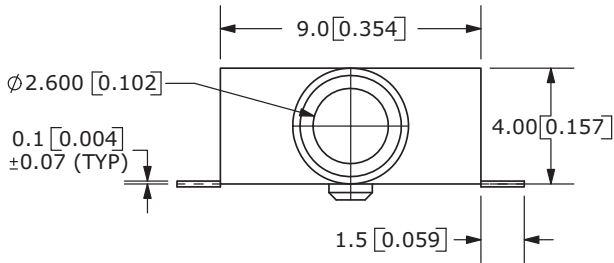
## MECHANICAL DRAWING

units: mm[inches]

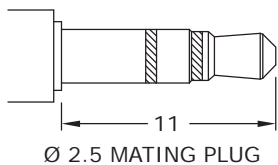
TOLERANCE:  
 X.X ±0.2mm  
 X.XX ±0.1mm  
 X.XXX ±0.05mm



	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	



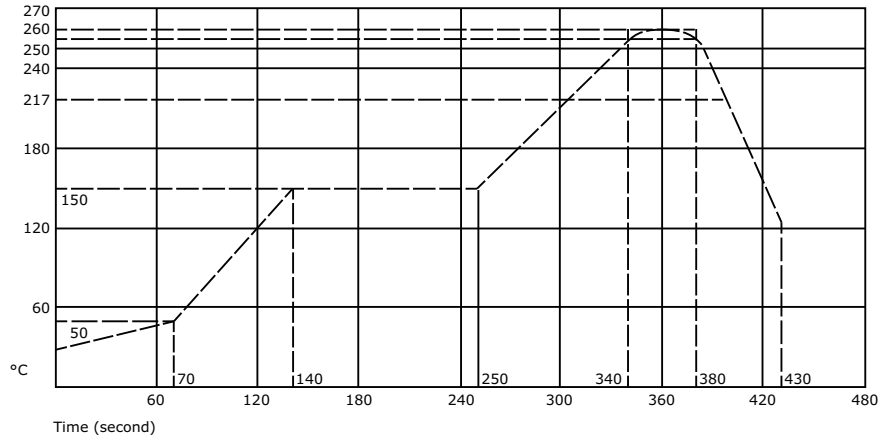
PCB LAYOUT  
TOP VIEW



Model No.	SJ1-2513-SMT	SJ1-2514-SMT	SJ1-2515-SMT
Schematic			
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	02/07/2006
1.01	new template applied	01/25/2012
1.02	added TR package option	11/01/2012

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

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