CUI INC®

SERIES: SJ1-4253X-SMT | **DESCRIPTION:** 2.5 MM AUDIO JACKS

FEATURES

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

RoHS

PART NUMBER KEY

SJ1-4253 X-SMT-X

Base Number	Switch Options 4 = no switch 5TS = tip switch 5RS = ring switch 6 = tip and ring switch	Package Options "blank" = standard TR = Tape & Reel

SPECIFICATIONS

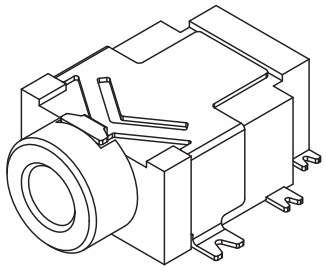
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between terminal and mating plug between terminal in a closed circuit[1]			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	at 50/60Hz for 1 minute			500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

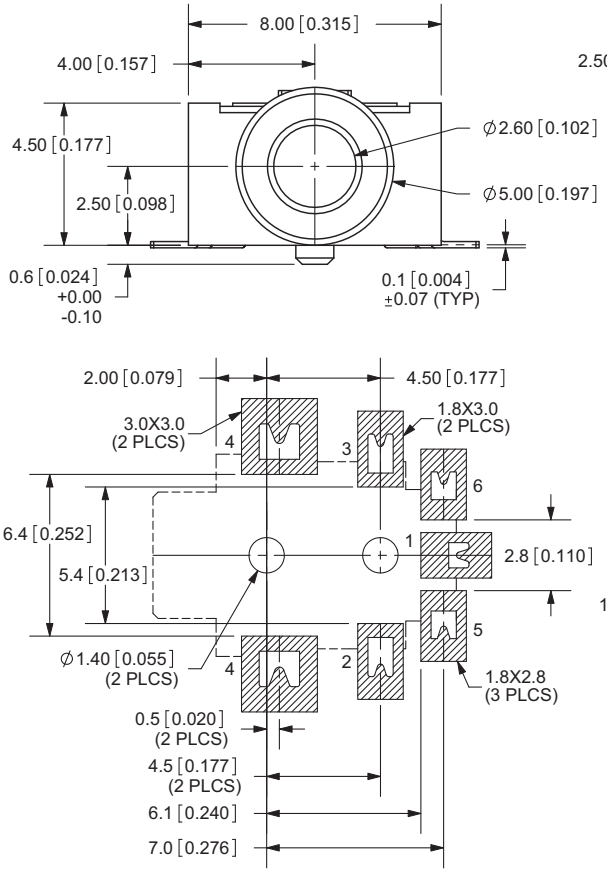
MECHANICAL DRAWING

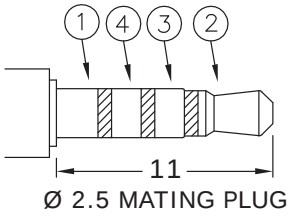
units: mm[inches]

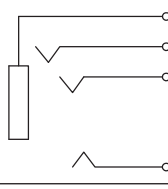
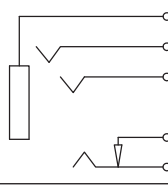
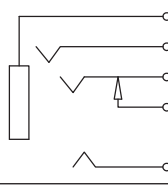
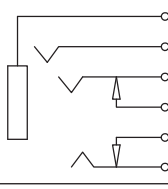
TOLERANCE:
X.X ±0.2mm
X.XX ±0.1mm
X.XXX ±0.05mm



	MATERIAL	PLATING
terminal 1	copper alloy	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 4	copper alloy	silver
terminal 5	brass	silver
terminal 6	brass	silver
plastic	PA6T	

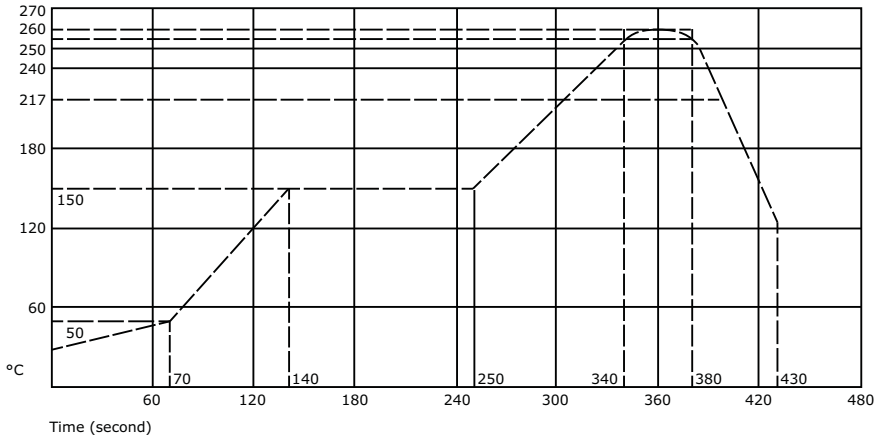




Model No.	SJ1-42534-SMT	SJ1-42535TS-SMT	SJ1-42535RS-SMT	SJ1-42536-SMT
Schematic				
PIN				
1	sleeve	sleeve	sleeve	sleeve
2	tip	tip	tip	tip
3	ring 1	ring 1	ring 1	ring 1
4	ring 2	ring 2	ring 2	ring 2
5	NP	tip switch	NP	tip switch
6	NP	NP	ring switch	ring switch

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	05/01/2006
1.01	new template applied	01/27/2012
1.02	added TR package option	11/01/2012

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

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

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