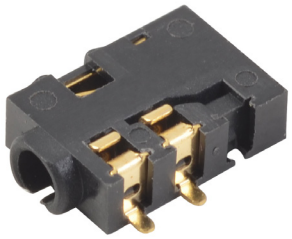
CUI DEVICES

SERIES: SJ1-253X-SMT | **DESCRIPTION:** 2.5 MM AUDIO JACK

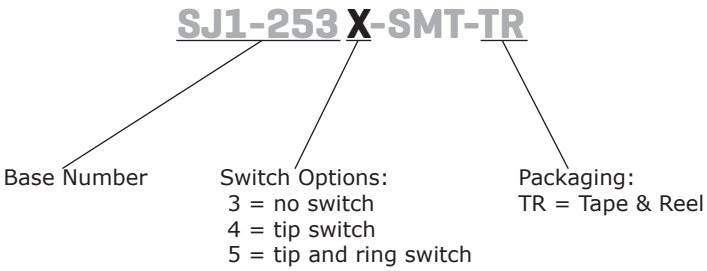
FEATURES

- low profile design
- switch options include:
  - no switch
  - tip switch
  - tip and ring switch
- suitable for medical applications



RoHS

PART NUMBER KEY



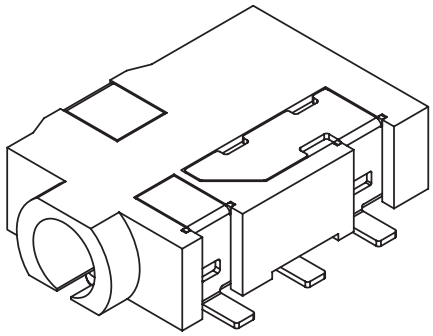
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
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	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

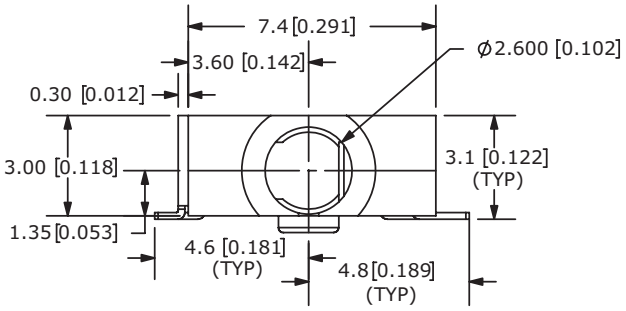
Note: 1. When measured at a current of less than 100 mA/1 kHz
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

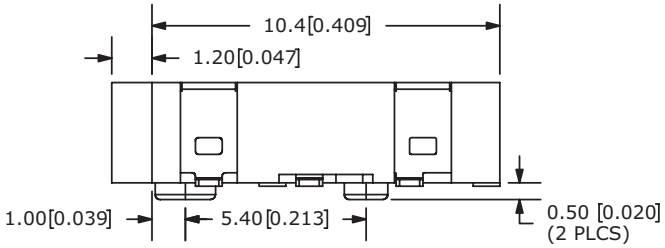
MECHANICAL DRAWING

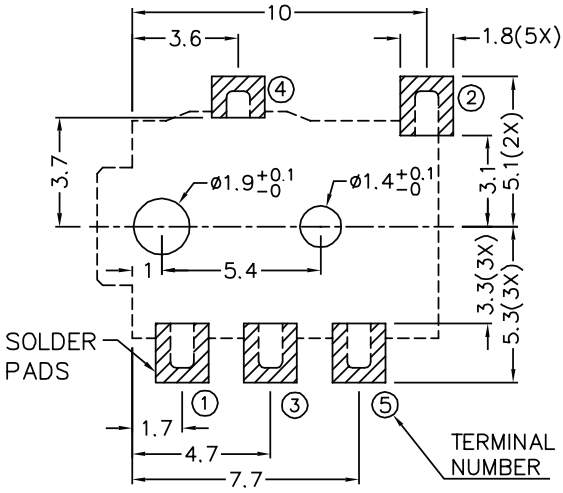
units: mm[inches]
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm
PCB: ±0.05 mm



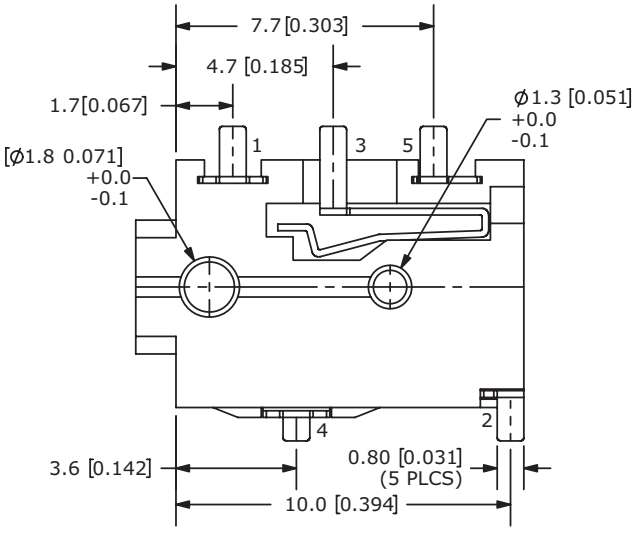
	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 3	copper alloy	gold flash
terminal 4	brass	gold flash
terminal 5	copper alloy	gold flash
plastic	PA6T or equivalent	

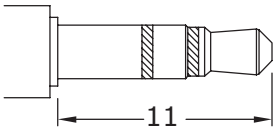




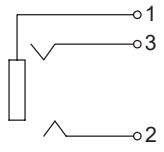
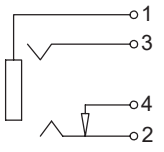
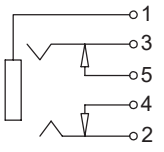


Recommended PCB Layout
Top View





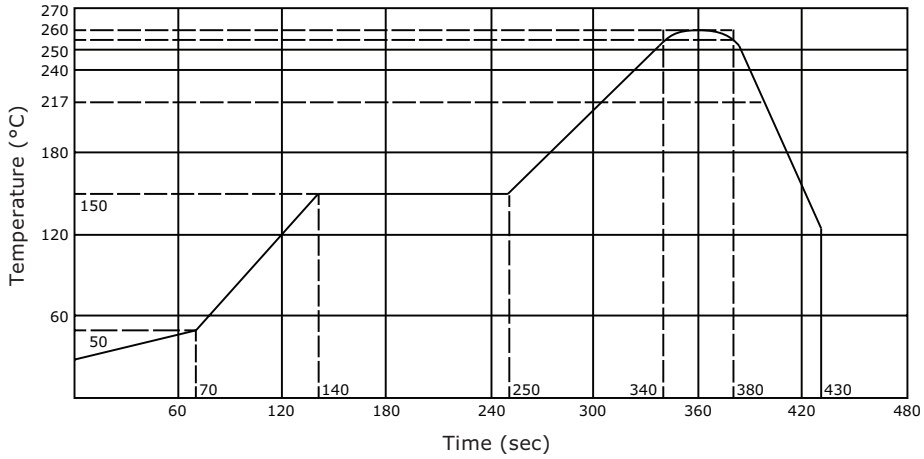
Ø 2.5 MATING PLUG

Model No.	SJ1-2533-SMT	SJ1-2534-SMT	SJ1-2535-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 swtich

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering[1]	see reflow profile	255	260	265	°C
drying conditions[2]	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

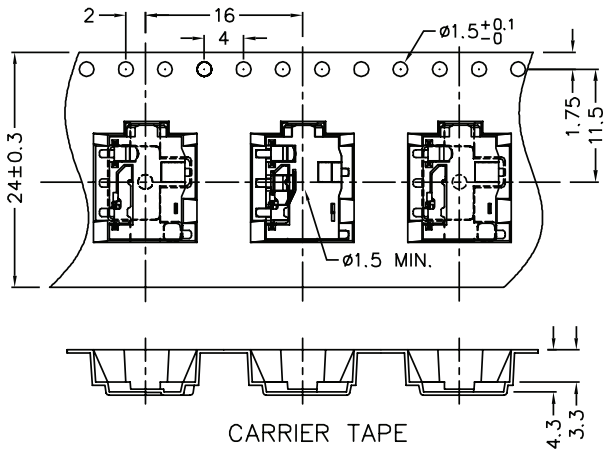
Note: 1. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
2. When exceeding floor life by >72 hours.

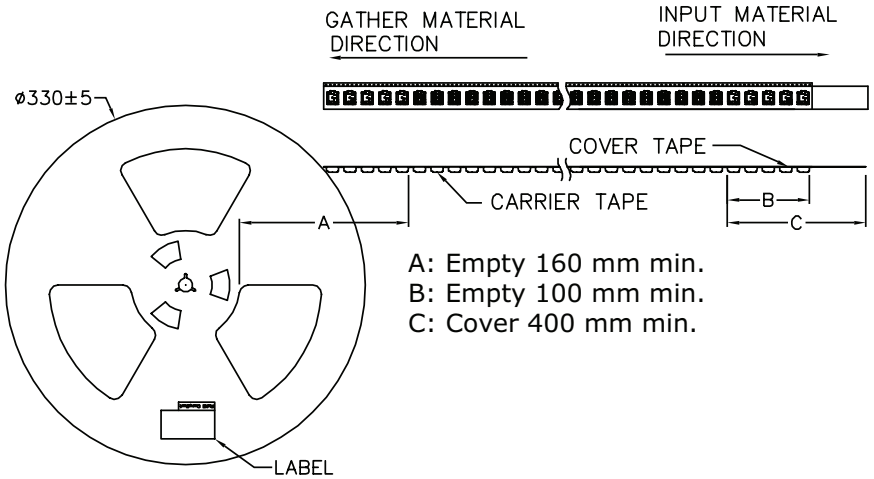


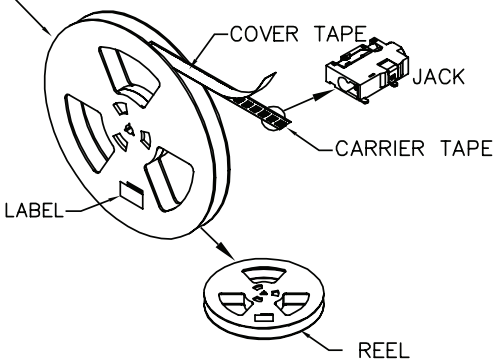
PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 1,000 pcs per reel







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
1.03	added storage and drying conditions, and tape and reel packaging details	02/14/2018
1.04	brand update	10/04/2019

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

CUI DEVICES

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

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