CUI DEVICES

SERIES: SJ2-3598X-SMT | **DESCRIPTION:** AUDIO JACK

FEATURES

- gold flash terminal plating
- multiple switch configurations
- reflow solder compatible
- surface mount
- suitable for medical applications



RoHS

PART NUMBER KEY

SJ2-3598 X X - SMT-TR

Base Number	# Conductors:	Switch Options:	Package Style:	Packaging:
	3[1] = 3 4 = 4	A = no switch B = tip switch D = tip & ring switch E = tip, ring 1, & ring 2 switch	SMT = surface mount	TR = Tape & Reel

Note: 1. 3 conductor option only available with tip & ring switch

SPECIFICATIONS

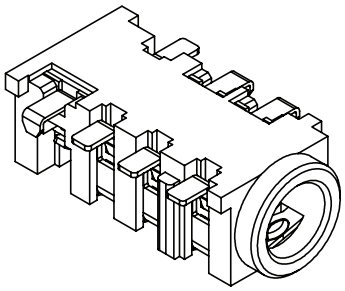
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance[2]	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal 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: 2. When measured at a current of less than 100 mA/1 kHz
3. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

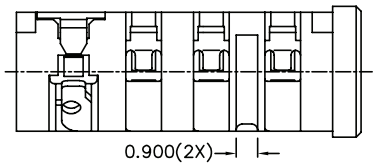
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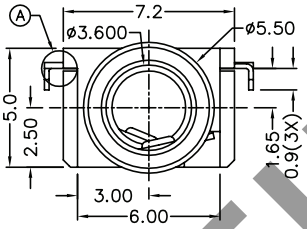
MECHANICAL DRAWING

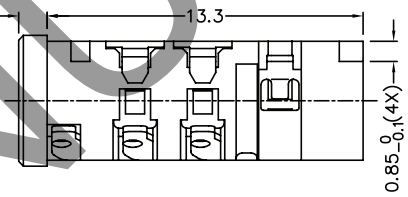
units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm
PCB: ±0.05 mm

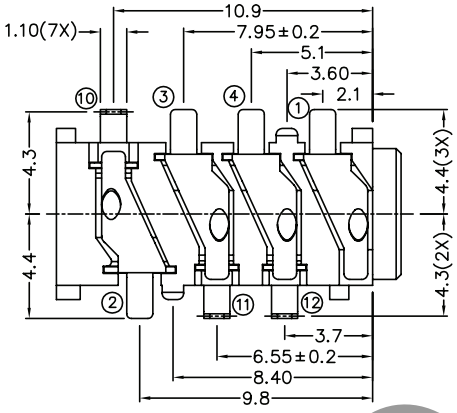


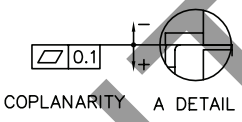
	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 3	copper alloy	gold flash
terminal 4	copper alloy	gold flash
terminal 10	brass	gold flash
terminal 11	brass	gold flash
terminal 12	brass	gold flash
plastic	PA10T	

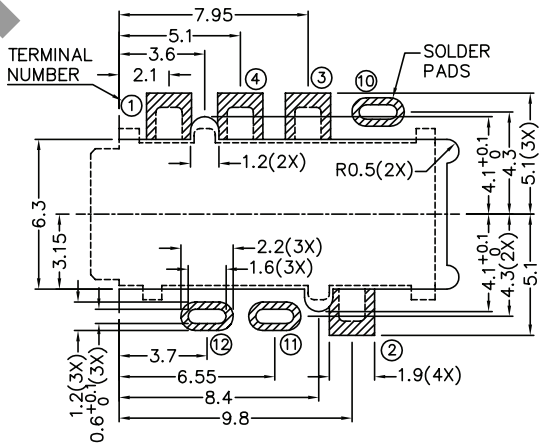




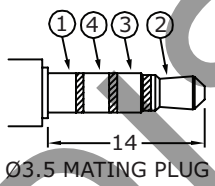


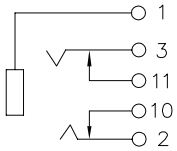
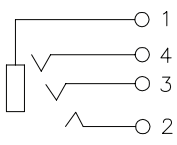
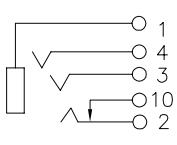
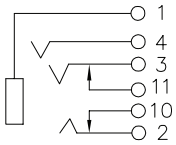
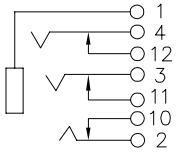






Recommended PCB Layout
Top View



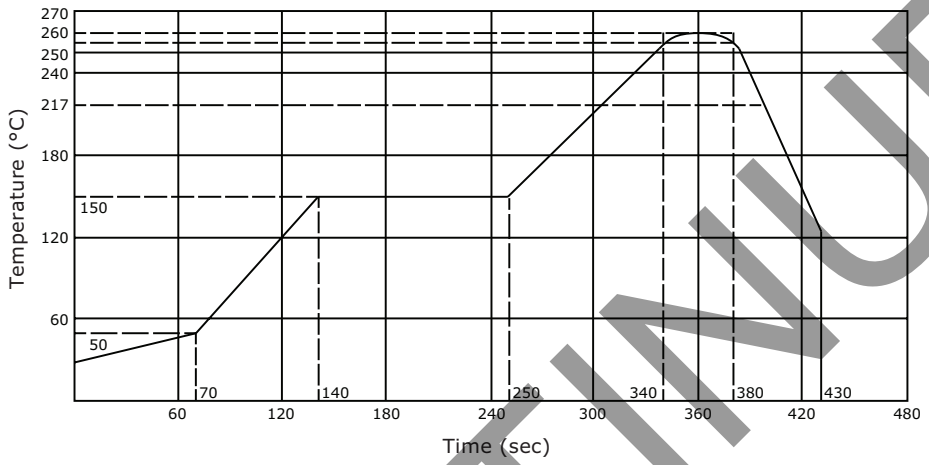
Model No.	SJ2-35983D-SMT	SJ2-35984A-SMT	SJ2-35984B-SMT	SJ2-35984D-SMT	SJ2-35984E-SMT
Schematic					
PIN					
1	sleeve	sleeve	sleeve	sleeve	sleeve
2	tip	tip	tip	tip	tip
3	ring 1	ring 1	ring 1	ring 1	ring 1
4	NP	ring 2	ring 2	ring 2	ring 2
10	tip switch	NP	tip switch	tip switch	tip switch
11	ring 1 switch	NP	NP	ring 1 switch	ring 1 switch
12	NP	NP	NP	NP	ring 2 switch

DISCONTINUED

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				

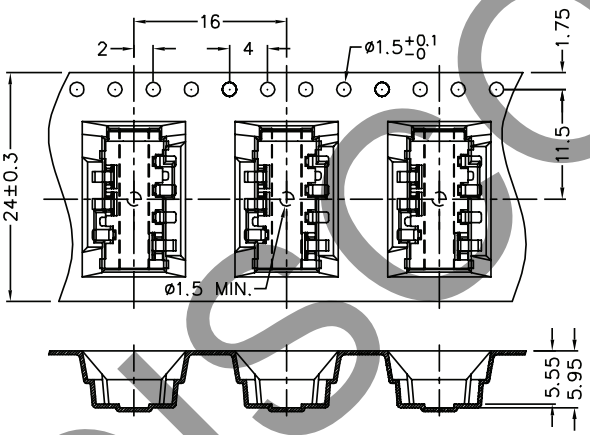
Note: 1. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
2. When exceeding floor life by >72 hours.

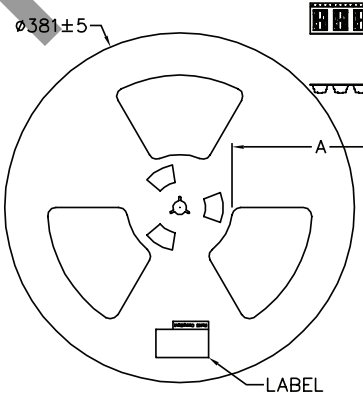


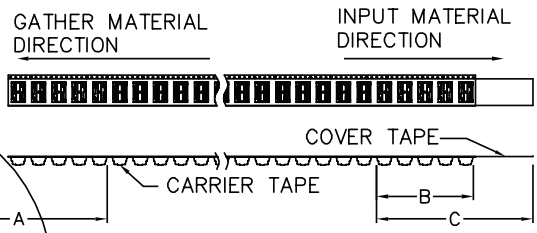
PACKAGING

units: mm

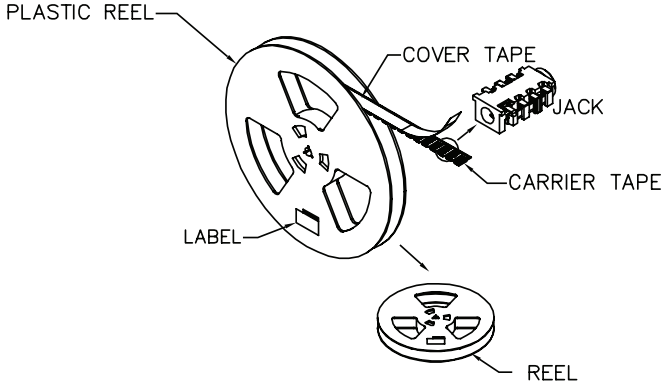
Reel Size: Ø381 mm
Reel QTY: 1,000 pcs per reel







A: Empty 160 mm min.
B: Empty 100 mm min.
C: Cover 400 mm min.



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REVISION HISTORY

rev.	description	date
1.0	initial release	12/16/2016
1.01	added storage and drying conditions	06/22/2017
1.02	brand update	10/10/2019

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

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CUI DEVICES

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