CUI DEVICES

Additional Resources: Product Page

date 10/04/2019

page 1 of 4

SERIES: SJ2-253X-SMT | DESCRIPTION: AUDIO JACK

FEATURES

- multiple switch configurations
- low profile design
- reflow solder compatible
- surface mount





PART NUMBER KEY

SJ2-253 X X

Base Number

Conductors:

 $2^1 = 2$ 3 = 3

Switch Options: A = no switch

B = tip switch

C = ring switch
D = tip & ring switch

Package Style: SMT = surface mount Packaging:

TR = Tape & Reel

Note: 1. 2 conductor option only available with tip switch

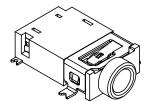
SPECIFICATIONS

conditions/description	min	typ	max	units
		12		Vdc
			1	А
between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
at 500 Vdc	100			МΩ
for 1 minute			500	Vac
	0.3		3	kg
	-25		85	°C
at a rate of 24 cycles/minute		5,000		cycles
UL94V-0				
yes				
	between terminal and mating plug between terminal in a closed circuit at 500 Vdc for 1 minute at a rate of 24 cycles/minute UL94V-0	between terminal and mating plug between terminal in a closed circuit at 500 Vdc 100 for 1 minute 0.3 -25 at a rate of 24 cycles/minute UL94V-0	between terminal and mating plug between terminal in a closed circuit at 500 Vdc 100 for 1 minute 0.3 -25 at a rate of 24 cycles/minute 5,000 UL94V-0	12 1 between terminal and mating plug between terminal in a closed circuit 30 at 500 Vdc 100 for 1 minute 500 0.3 3 -25 85 at a rate of 24 cycles/minute 5,000 UL94V-0

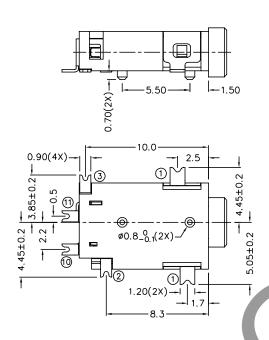
- 2. When measured at a current of less than 100 mA/1 kHz 3. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

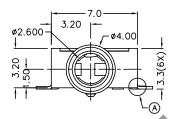
MECHANICAL DRAWING

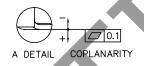
units: mm tolerance: $X.X \pm 0.2 \text{ mm}$ $X.XX \pm 0.10 mm$ $X.XXX \pm 0.050 \text{ mm}$ PCB: ±0.05 mm

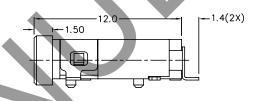


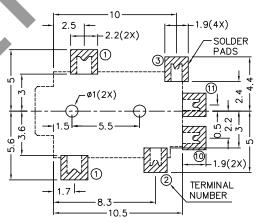
	MATERIAL	PLATING
terminal 1	copper alloy	silver
terminal 2	copper alloy	silver
terminal 3	copper alloy	silver
terminal 10	brass	silver
terminal 11	brass	silver
plastic	PA10T	



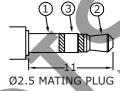








Recommended PCB Layout Top View



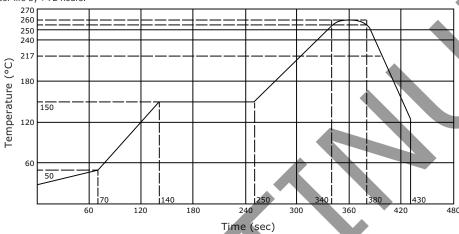
Model No.	SJ2-2532B-SMT	SJ2-2533A-SMT	SJ2-2533B-SMT	SJ2-2533C-SMT	SJ2-2533D-SMT
Schematic	01	01	01 03 010 02	01 03 011 02	01 03 011 010 02
PIN					
1	sleeve	sleeve	sleeve	sleeve	sleeve
2	tip	tip	tip	tip	tip
3	NP	ring	ring	ring	ring
10	tip switch	NP	tip switch	NP	tip switch
11	NP	NP	NP	ring switch	ring switch

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 $\pm 5^{\circ}$ C for 72 hours parts removed from reel: bake at 40° C $\pm 5^{\circ}$ C for 1	0 hours			

Note:

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

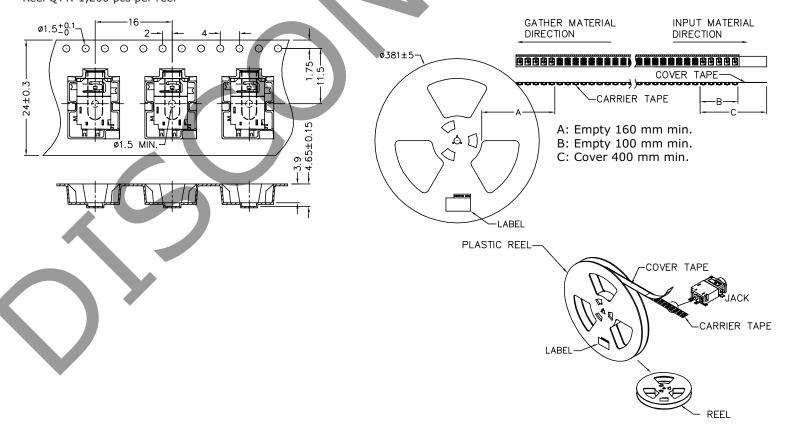


PACKAGING

units: mm

Reel Size: Ø381 mm

Reel QTY: 1,200 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	12/02/2016
1.01	added storage and drying conditions	06/06/2017
1.02	brand update	10/04/2019

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



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