# **CUI** DEVICES

date 10/07/2019

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SERIES: SJ2-25406X-SMT | DESCRIPTION: AUDIO JACK

#### **FEATURES**

- gold flash terminal plating
- low profile design
- reflow solder compatible
- surface mount





#### **PART NUMBER KEY**

Base Number

# Conductors:

4 = 4

6 = 6

Switch Options:

= no switch

Package Style: SMT = surface mount Packaging:

TR = Tape & Reel

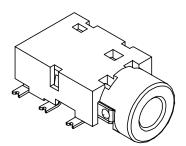
#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	Α
contact resistance <sup>1</sup>	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
nsertion/withdrawal force		0.3		3	kg
pperating temperature		-25		85	°C
ife	at a rate of 24 cycles/minute		5,000		cycles
lammability rating	UL94V-0				
RoHS	yes				

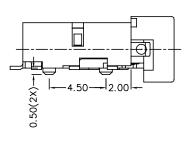
- When measured at a current of less than 100 mA/1 kHz
  All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

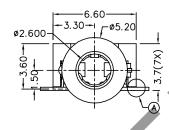
### **MECHANICAL DRAWING**

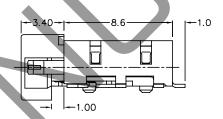
units: mm tolerance:  $X.X \pm 0.2 mm$  $X.XX \pm 0.10 mm$  $X.XXX \pm 0.050 \text{ mm}$ PCB: ±0.05 mm

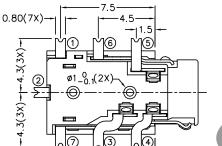


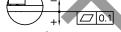
	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 3	copper alloy	gold flash
terminal 4	copper alloy	gold flash
terminal 5	copper alloy	gold flash
terminal 6	copper alloy	gold flash
terminal 7	copper alloy	gold flash
plastic	PA10T	



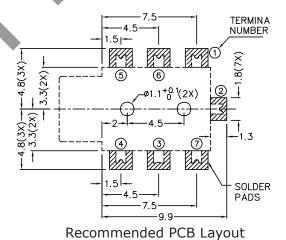




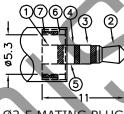








Top View



Ø2.5 MATING PLUG

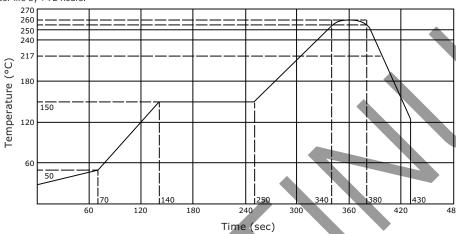
Model No.	SJ2-254064A-SMT	SJ2-254066A-SMT	
Schematic	0 1 0 5 0 2 0 3 0 4	0 6 0 1 0 5 0 2 0 3 0 4	
PIN			
1	sleeve	sleeve	
2	tip	tip	
3	ring 1	ring 1	
4	ring 2	ring 2	
5	ring 2	ring 2	
6	NP	outer ring 1	
7	NP	outer ring 2	

## **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>1</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>2</sup>	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10	0 hours			

Note:

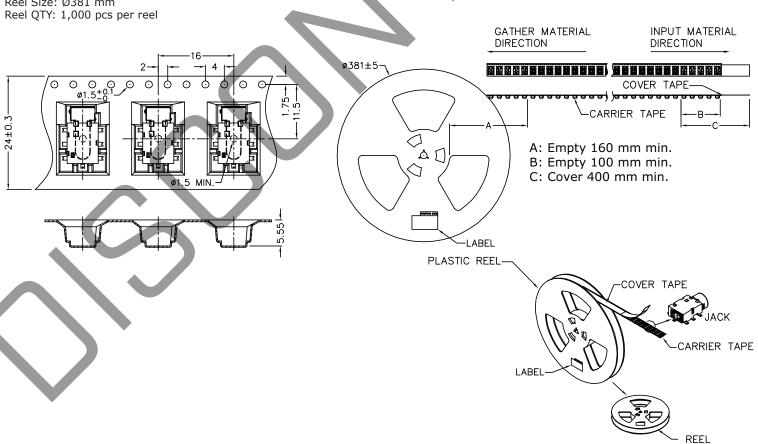
- 1. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
- 2. When exceeding floor life by >72 hours.



#### **PACKAGING**

units: mm

Reel Size: Ø381 mm



#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	12/09/2016
1.01	added storage and drying conditions	06/09/2017
1.02	brand update	10/07/2019

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



# **CUI** DEVICES

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