

Additional Resources: Product Page

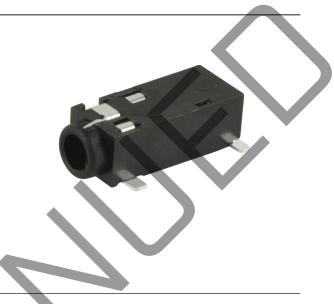
date 08/18/2022

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SERIES: SJ2-25X-SMT | DESCRIPTION: AUDIO JACK

FEATURES

- · right angle
- low profile design
- reflow solder profile compatible
- surface mount
- suitable for medical applications





PART NUMBER KEY

SJ2 - 25 X X -# Conductors: Switch Options Package Style: Packaging: A* = no switch SMT = surface mount TR = Tape & Reel

Notes:

*Discontinued model SJ2-254A-SMT-TR

Base Number

4 = 4

SPECIFICATIONS

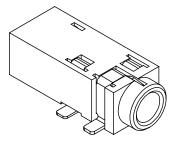
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance ¹	between terminal and mating plug between terminal in a closed circuit			50 30	$m\Omega$
insulation resistance	at 500 Vdc	100			ΜΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal 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				

B = tip switch

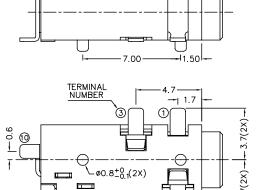
- 1. When measured at a current of less than 100 mA/1 kHz 2. All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

MECHANICAL DRAWING

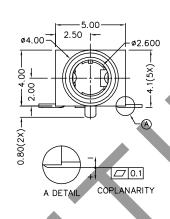
units: mm tolerance: X.X ±0.2 mm X.XX ±0.10 mm X.XXX ±0.050 mm PCB: ±0.05 mm

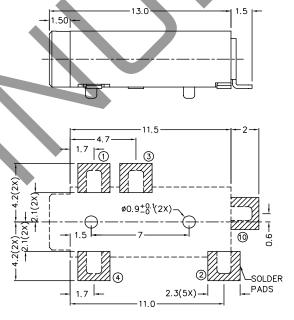


	MATERIAL	PLATING	
terminal 1	copper alloy	silver	
terminal 2	copper alloy	silver	
terminal 3	copper alloy	silver	
terminal 4	copper alloy	silver	
terminal 10	brass	silver	
plastic	PA10T		

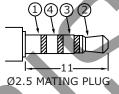


→ 1.7





Recommended PCB Layout Top View



1.00(5X)-

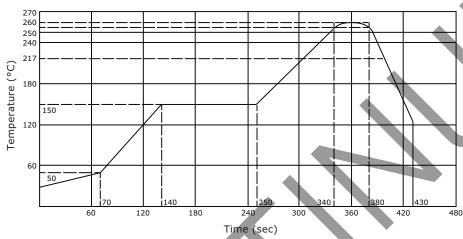
Model No.	SJ2-254A-SMT	SJ2-254B-SMT	
Schematic	01 04 03 03	01 04 03 03 010 02	
PIN			
1	sleeve	sleeve	
2	tip	tip	
3	ring 1	ring 1	
4	ring 2	ring 2	
10	NP	tip switch	

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 ±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 INPUT MATERIAL GATHER MATERIAL DIRECTION **DIRECTION** ø330±5 COVER TAPE-- CARRIER TAPE A: Empty 160 mm min. A [B: Empty 100 mm min. C: Cover 400 mm min. .5 MIN. -LABEL PLASTIC REEL-JACK CARRIER TAPE LABEL REEL

REVISION HISTORY

rev.	description	date	
1.0	initial release	12/02/2016	
1.01	added storage and drying conditions	05/31/2017	
1.02	brand update	10/07/2019	
1.03	discontinued models SJ2-254A-SMT-TR;logo, datasheet style update	08/18/2022	

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





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