

SERIES: SJ2-3581X-SMT | DESCRIPTION: AUDIO JACK

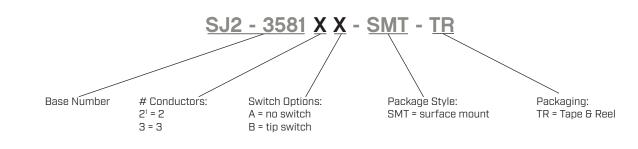
FEATURES

- narrow footprint
- right angle
- reflow solder compatible
- surface mount



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PART NUMBER KEY



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

SPECIFICATIONS

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parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance	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			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

11.3

MECHANICAL DRAWING

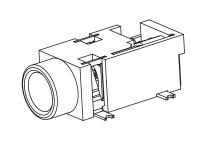
units: mm tolerance: X.X ±0.30 mm X.XX ±0.25 mm X.XXX ±0.20 mm PCB: ±0.05 mm unless otherwise specified

4-1.0

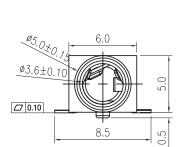
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7.3

13.1

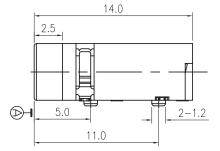


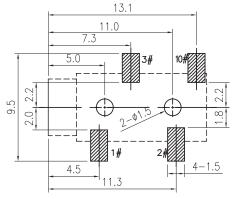
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	phosphor bronze t=0.20	silver over nickel
terminal 2	phosphor bronze t=0.25	silver over nickel
terminal 3	phosphor bronze t=0.20	silver over nickel
terminal 10	brass t=0.25	silver over nickel
housing	PA9T (UL94V-0)	black



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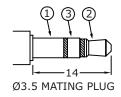
4.5





Recommended PCB Layout Top View

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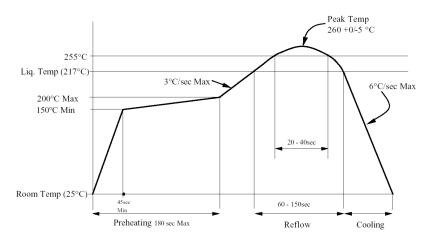
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Model No.	SJ2-35812B-SMT	SJ2-35813A-SMT	SJ2-35813B-SMT
Schematic			
PIN			
1	sleeve	sleeve	sleeve
2	tip	tip	tip
3	NP	ring	ring
10	tip switch	NP	tip switch

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	5~25°C, 20~75% humidity				
reflow soldering	see reflow profile	255	260		°C

Note: 1. CUI Devices recommends usage of the product within 24 hours after T&R is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.

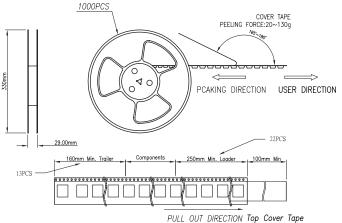


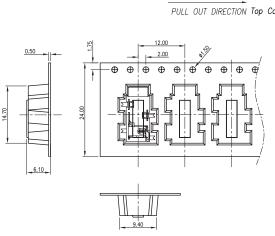
PACKAGING

units: mm

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

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REVISION HISTORY

rev.	description	date	
1.0	initial release	12/16/2016	
1.01	added storage and drying conditions	06/09/2017	
1.02	brand update	10/10/2019	
1.03	product reengineered for improved manufacturability and production yield, see PCN for details	11/22/2022	

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

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



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