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MODEL: MJ1-2510-SMT-TR | DESCRIPTION: AUDIO JACK

FEATURES

- surface mount
- horizontal
- tip switch
- tape and reel package

RoHS

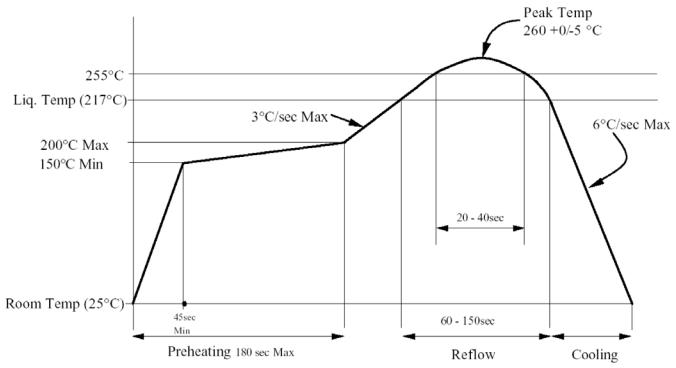
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
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				

SOLDERABILITY

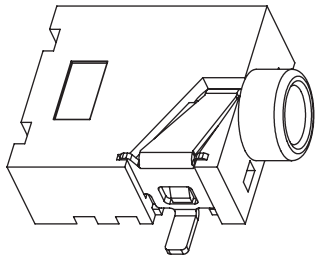
parameter	conditions/description	min	typ	max	units
reel storage	5~25°C, 20~75% humidity				
reflow soldering	see reflow profile	255	260		°C

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

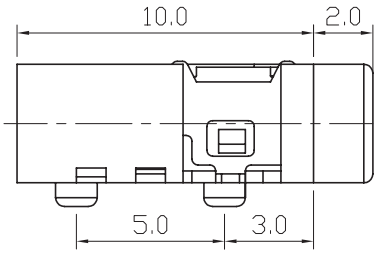


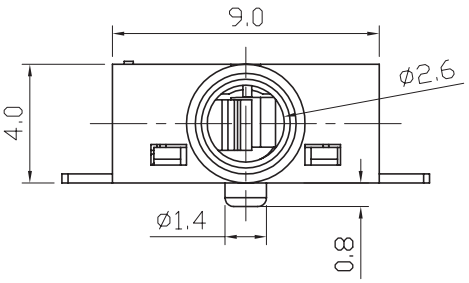
MECHANICAL DRAWING

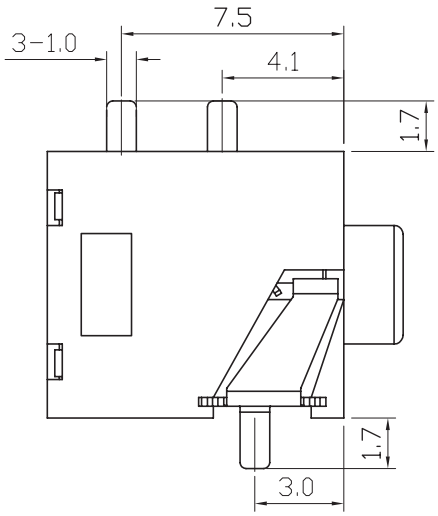
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.25 mm
X.XXX ±0.20 mm
PCB: ±0.05 mm

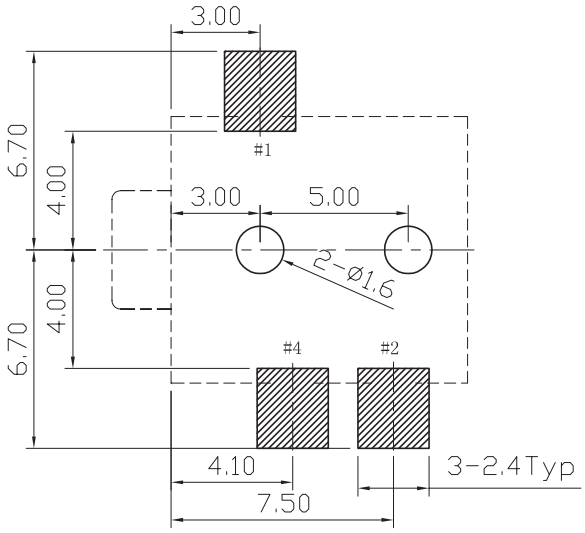


DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	copper alloy	gold over nickel
terminal 2	copper alloy	gold over nickel
terminal 4	copper alloy	gold over nickel
housing	PPA (UL94V-0)	black
cover	PPA (UL94V-0)	black

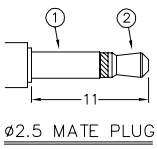


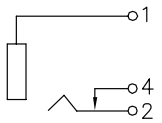






Recommended PCB Layout
Top View

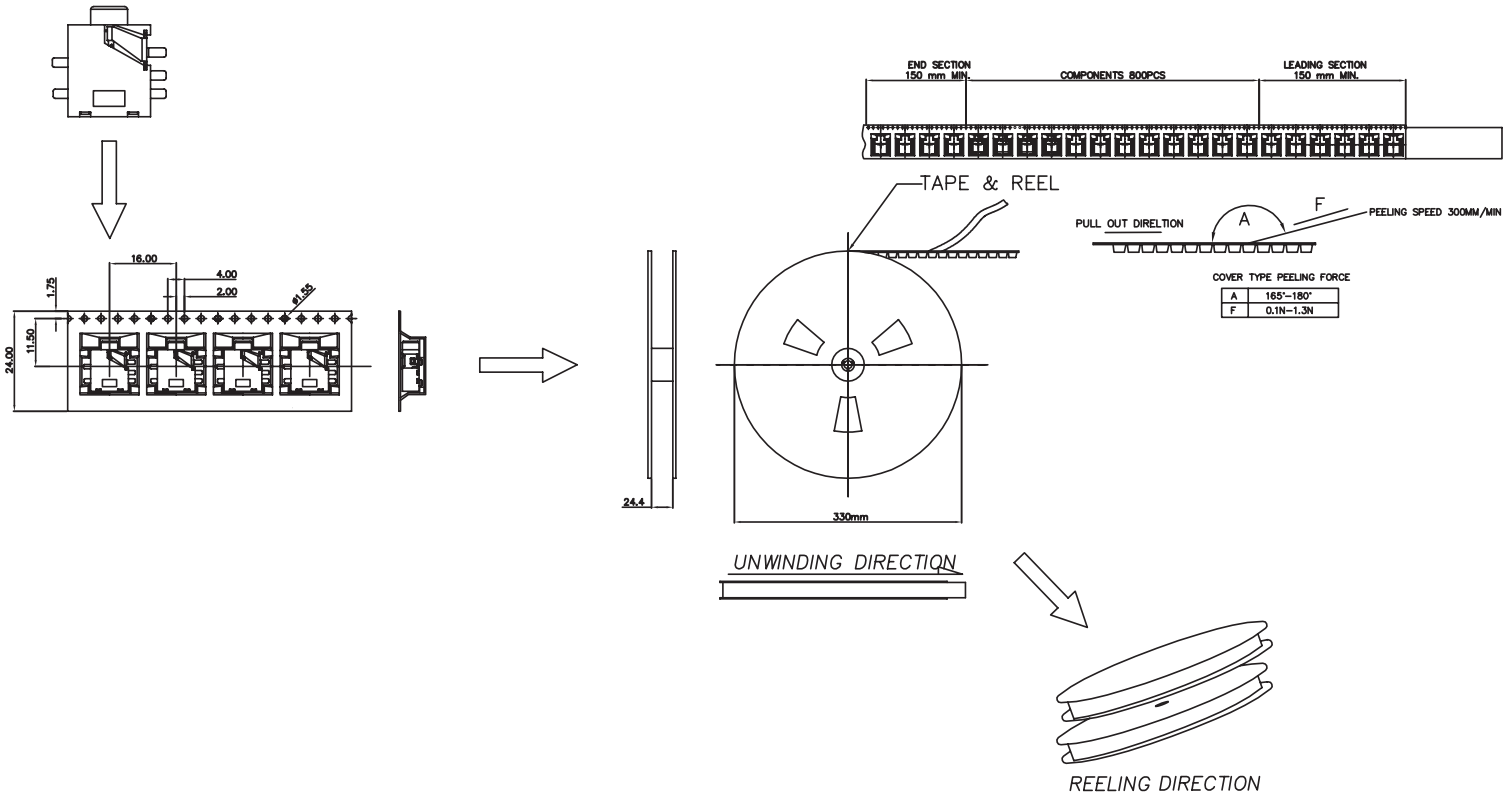


Model No.	MJ1-2510-SMT-TR
Schematic	
PIN	
1	sleeve
2	tip
4	tip switch

PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 800 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	11/09/2005
1.01	added TR package option	11/07/2012
1.02	added storage and drying conditions, and tape and reel packaging details	01/12/2018
1.03	brand update	10/04/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	05/23/2023
1.05	CUI Devices rebranded to Same Sky	09/12/2024

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

same sky

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

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