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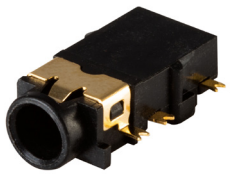
MODEL: SJ-43504-SMT-TR | DESCRIPTION: AUDIO JACK

FEATURES

- mid mount for low profile applications
- shielded
- two internal switches, tip and ring
- suitable for medical applications



RoHS

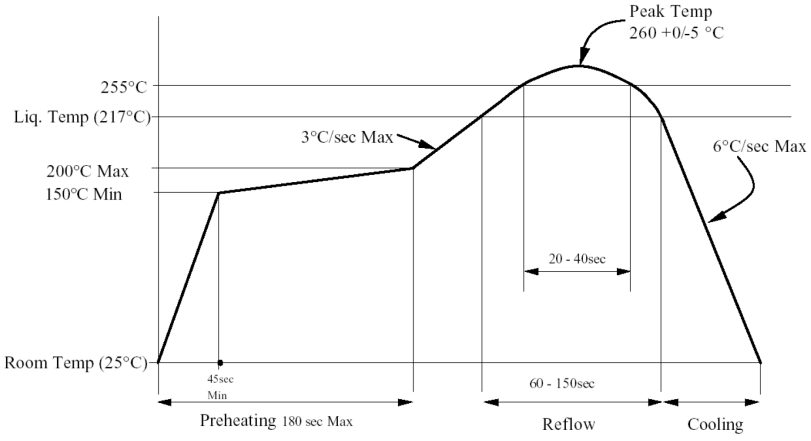
SPECIFICATIONS

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

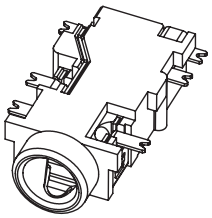
parameter	conditions/description	min	typ	max	units
reel storage	5~25°C, 20~75% humidity				
reflow soldering	see reflow profile	255	260		°C

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.

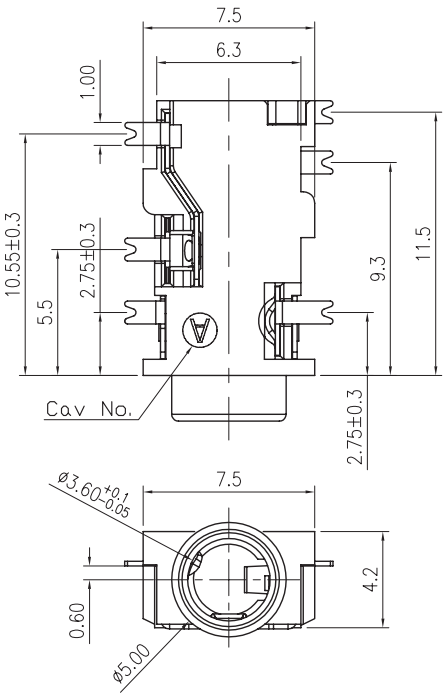


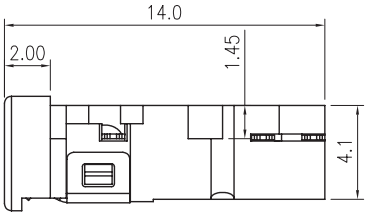
MECHANICAL DRAWING

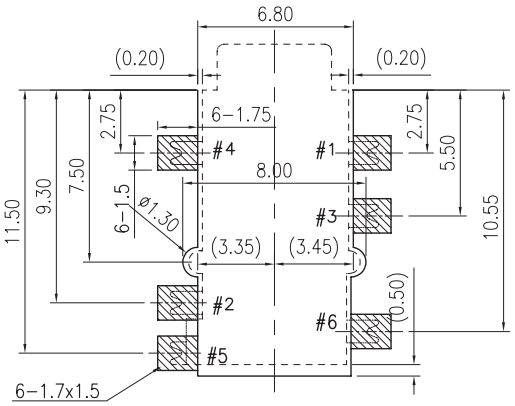
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.25 mm
X.XXX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified



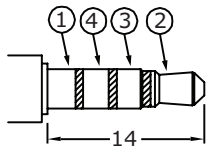
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	C5210 t=0.20	gold flash over nickel
terminal 2	C5210 t=0.20	gold flash over nickel
terminal 3	C5210 t=0.20	gold flash over nickel
terminal 4	C5210 t=0.20	gold flash over nickel
terminal 5	C2680-EH t=0.20	gold flash over nickel
terminal 6	C2680-EH t=0.20	gold flash over nickel
housing	PA9T (UL94V-0)	black



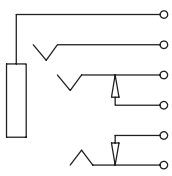




Recommended PCB Layout
Top View



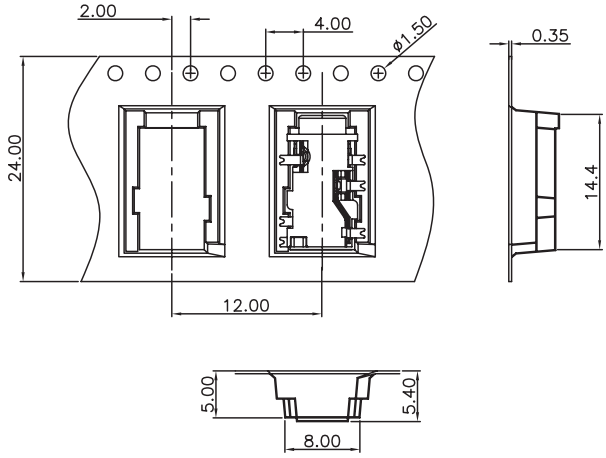
Ø3.5 MATING PLUG

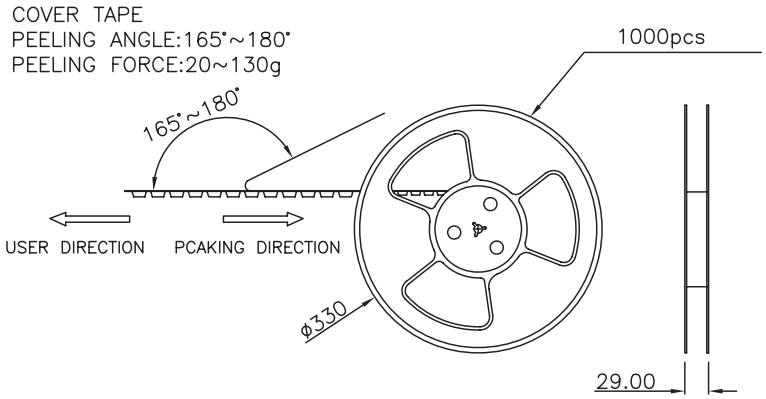
Model No.	SJ-43504-SMT
Schematic	
PIN	
1	sleeve
2	tip
3	ring 1
4	ring 2
5	tip switch
6	ring 1 switch

PACKAGING

units: mm

Reel Size: Ø330mm
Reel QTY: 1,000 pcs per reel





REVISION HISTORY

rev.	description	date
1.0	initial release	06/28/2011
1.01	added TR package option, updated spec.	11/28/2012
1.02	added storage and drying conditions, and tape and reel packaging details	02/16/2018
1.03	brand update	10/08/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	11/15/2022
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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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