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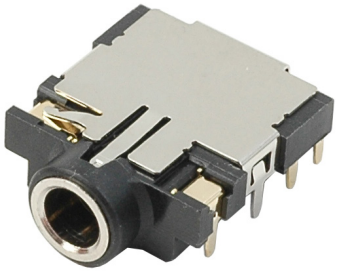
MODEL: SJ-3506-SMT-TR | DESCRIPTION: AUDIO JACK

FEATURES

- mid mount for low profile applications
- shielded
- two switch configuration, one normally open, one isolated and normally closed



RoHS

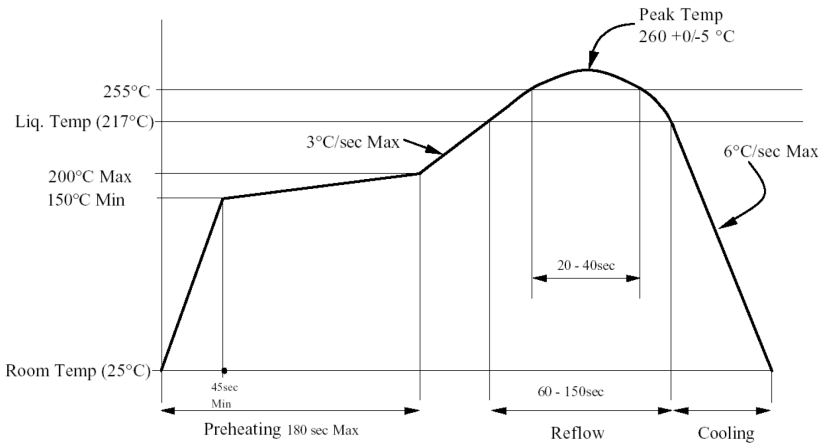
SPECIFICATIONS

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			100 50	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	for 1 minute		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

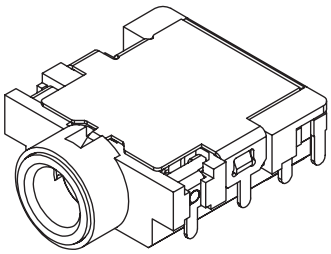
Note: 1. Smae Sky recommends usage of the product within 24 hours after T&R is opened. After 24 hours, Same Sky recommends drying the parts prior to use.

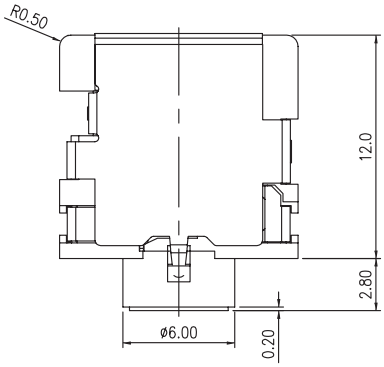


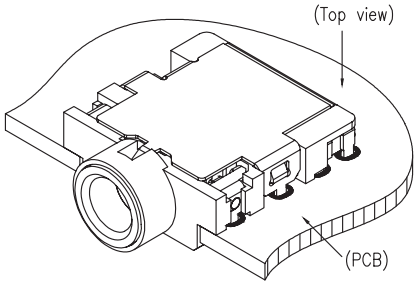
MECHANICAL DRAWING

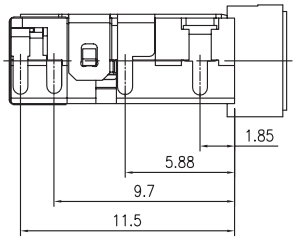
units: mm
tolerance:
X.X ±0.3 mm
X.XX ±0.25 mm
X.XXX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified

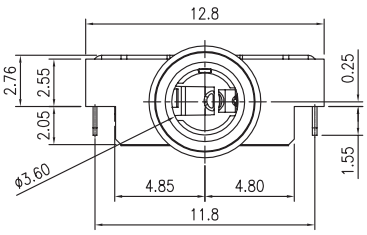
DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	phosphor bronze t=0.20	silver over nickel
terminal 2	beryllium bronze t=0.20	silver over nickel
terminal 3	beryllium bronze t=0.20	silver over nickel
terminal 4	phosphor bronze t=0.25	silver over nickel
terminal 5	phosphor bronze t=0.20	silver over nickel
terminal 6	brass t=0.20	silver over nickel
shield	phosphor bronze t=0.20	nickel
bushing	copper alloy	nickel
housing	PA10T (UL94V-0)	black
mylar	teflon t=0.05	

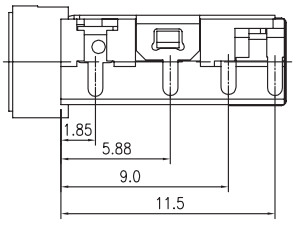


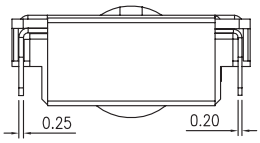


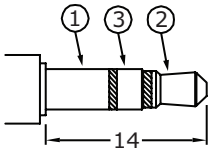




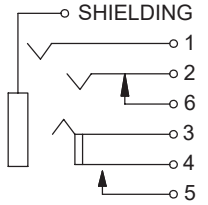


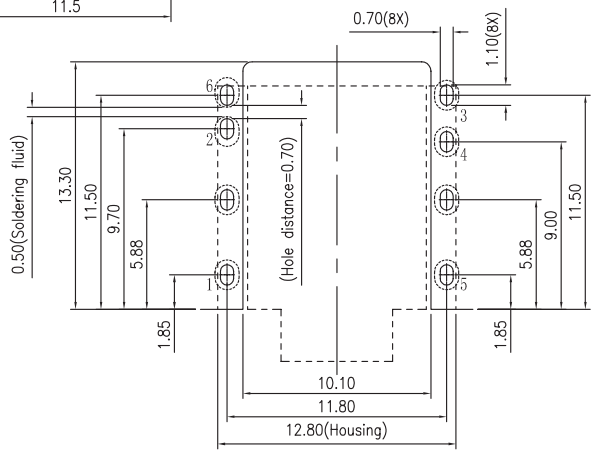






Ø3.5 MATING PLUG

Model No.	SJ-3506-SMT-TR
Schematic	
PIN	
1	sleeve
2	tip
3	ring
4	isolated ring
5	isolated ring switch (N-O)
6	tip switch

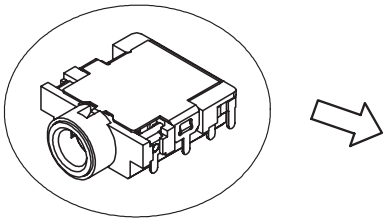


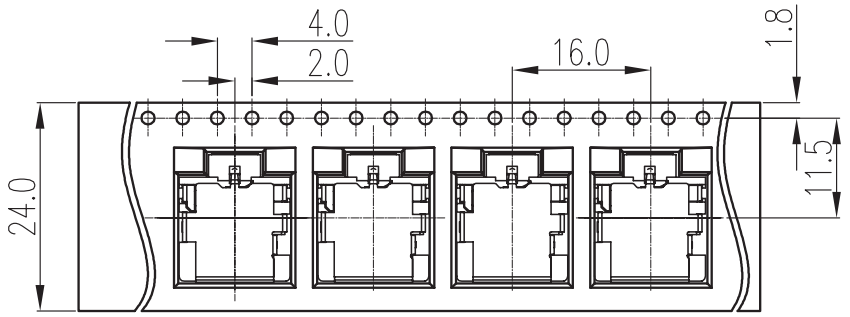
Recommended PCB Layout
Top View

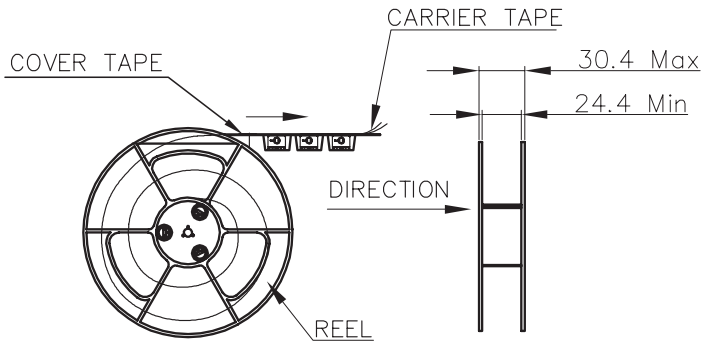
PACKAGING

units: mm

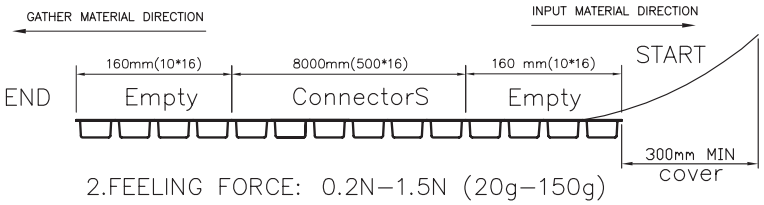
Reel Size: Ø330 mm
Reel QTY: 500 pcs per reel







NOTE:
1.CARRIER TAPE PACKING LENGTH



2.FEELING FORCE: 0.2N–1.5N (20g–150g)

REVISION HISTORY

rev.	description	date
1.0	initial release	06/28/2011
1.01	added TR package option, updated schematic	11/28/2012
1.02	added storage and drying conditions, and tape and reel packaging details	02/23/2018
1.03	brand update	10/08/2019
1.04	product reengineered for improved manufacturability and production yield, see PCN for details	04/03/2023
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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