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MODEL: SJ-3502-SMT-TR | DESCRIPTION: AUDIO JACK

FEATURES

- mid mount for low profile applications
- shielded
- no internal switches

RoHS

SPECIFICATIONS

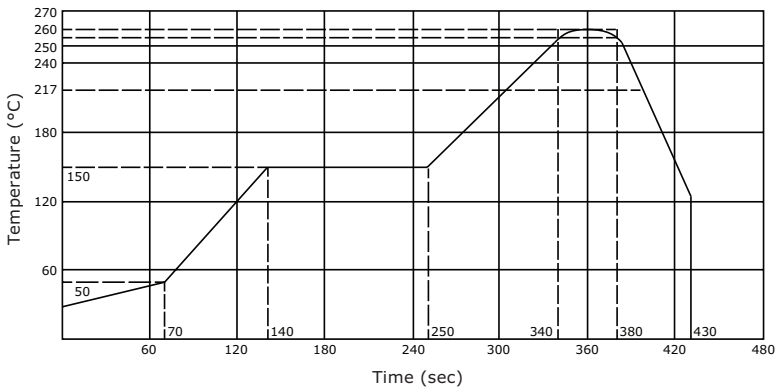
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance[1]	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life	at a rate of 500±50 cycles/hour		5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

Note: 1. When measured at a current of less than 100 mA/1 kHz

SOLDERABILITY

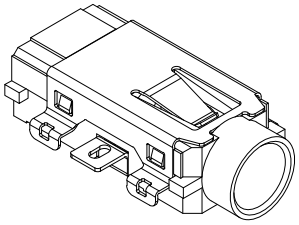
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering[2]	see reflow profile	255	260	265	°C
drying conditions[3]	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

Note: 2. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
3. When exceeding floor life by >72 hours.

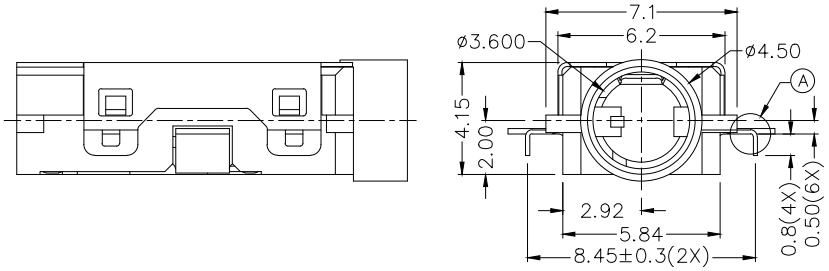


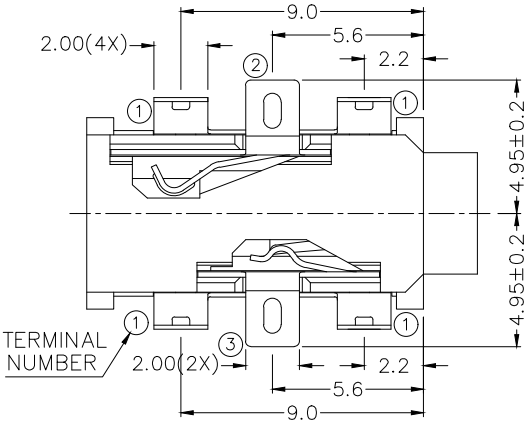
MECHANICAL DRAWING

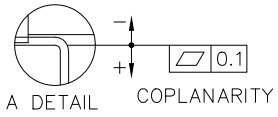
units: mm
tolerance:
X.X ±0.20 mm
X.XX ±0.10 mm
X.XXX ±0.05 mm
PCB: ±0.05 mm
unless otherwise specified

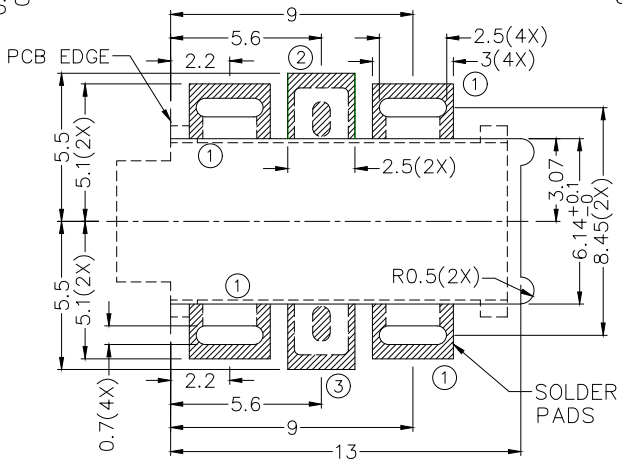


DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	stainless steel	silver over nickel
terminal 2	copper alloy	silver over nickel
terminal 3	copper alloy	silver over nickel
housing	PA10T (UL94V-0)	black

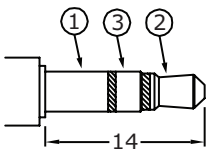




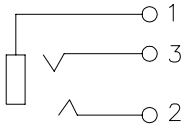




Recommended PCB Layout
Top View



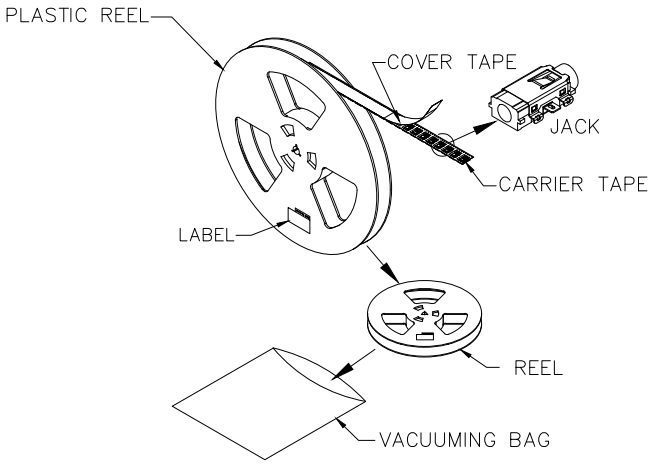
Ø3.5 MATING PLUG

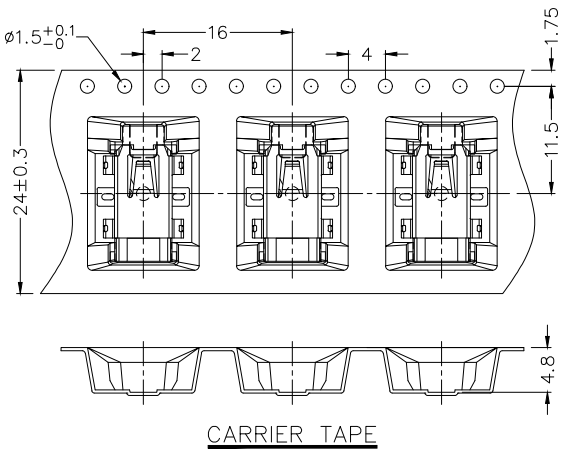
Model No.	SJ-3502-SMT-TR
Schematic	
PIN	
1	sleeve
2	tip
3	ring

PACKAGING

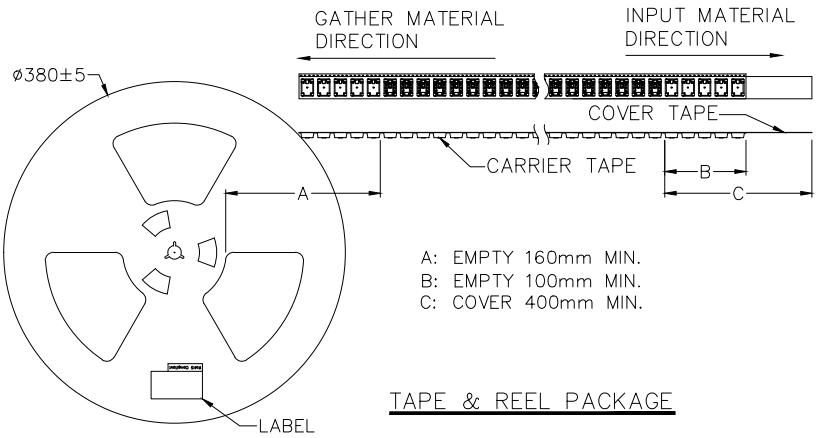
units: mm

Reel Size: Ø380 mm
Reel QTY: 1,200 pcs per reel





CARRIER TAPE



TAPE & REEL PACKAGE

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	added detail to PCB layout recommendation	08/06/2019
1.04	brand update	10/08/2019
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	07/10/2023
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	06/18/2024
1.07	CUI Devices rebranded to Same Sky	09/12/2024

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

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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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