

MODEL: SJ-3503-SMT-TR | **DESCRIPTION:** MID MOUNT AUDIO JACK
FEATURES

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

**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 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

Note:

1. When measured at a current of less than 100 mA/1 kHz
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ³	see reflow profile	255	260	265	°C
drying conditions ⁴	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				

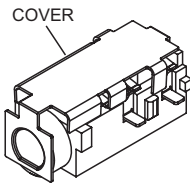
Note:

3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
4. When exceeding floor life by >72 hours.

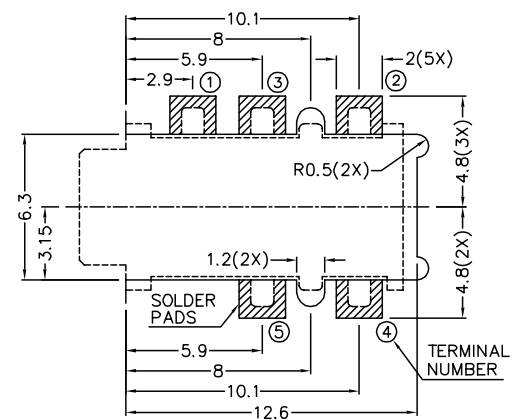
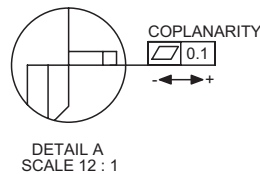
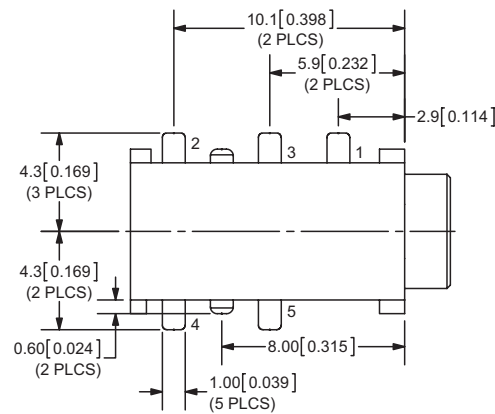
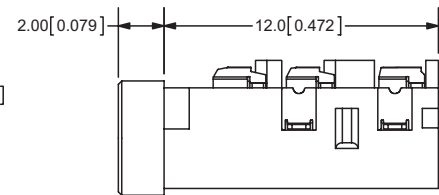
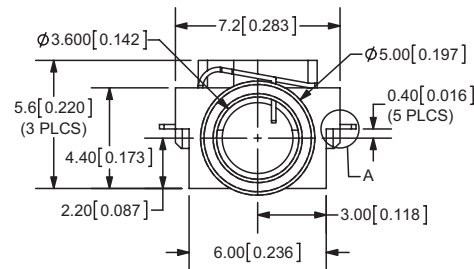
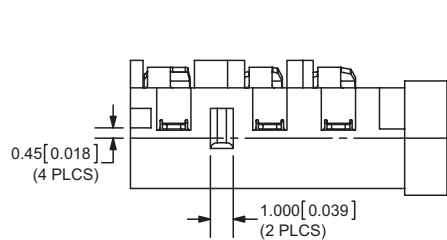
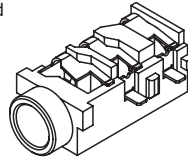


MECHANICAL DRAWING

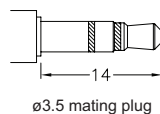
units: mm[inches]

tolerance: X.X ± 0.2 mmX.XX ± 0.1 mmX.XXX ± 0.05 mmPCB: ± 0.05 mm

Protective cover to be removed and should be considered scrap after connector is soldered to PCB.



Recommended PCB Layout
Top View



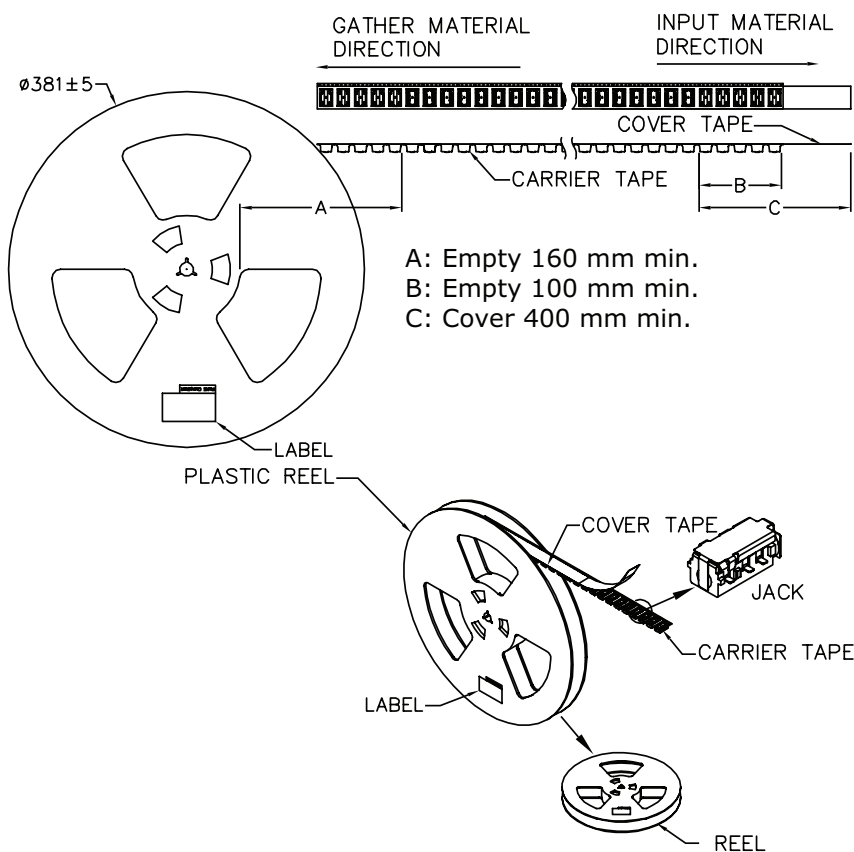
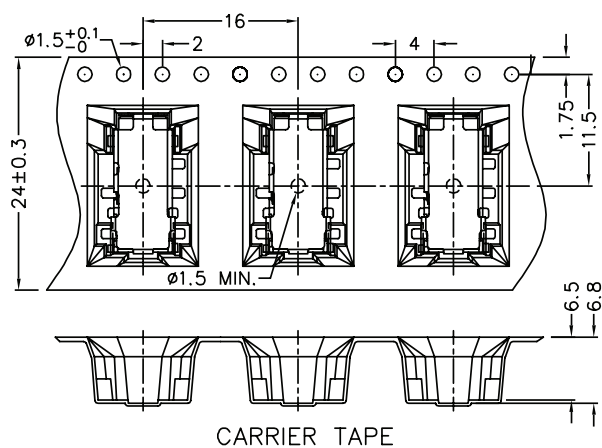
Model No.	SJ-3503-SMT-TR
Schematic	
PIN	
1	sleeve
2	tip
3	ring
4	tip switch
5	ring switch

PACKAGING

units: mm

Reel Size: Ø381 mm

Reel QTY: 850 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	06/27/2011
1.01	added TR package option	11/28/2012
1.02	updated spec	10/08/2014
1.03	added storage and drying conditions, and tape and reel packaging details	02/16/2018

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



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