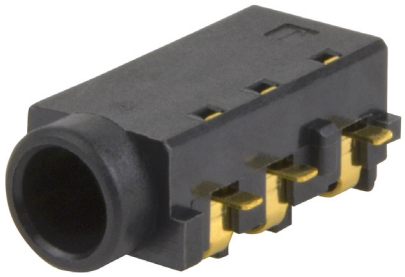
CUI DEVICES

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

FEATURES

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



RoHS

SPECIFICATIONS

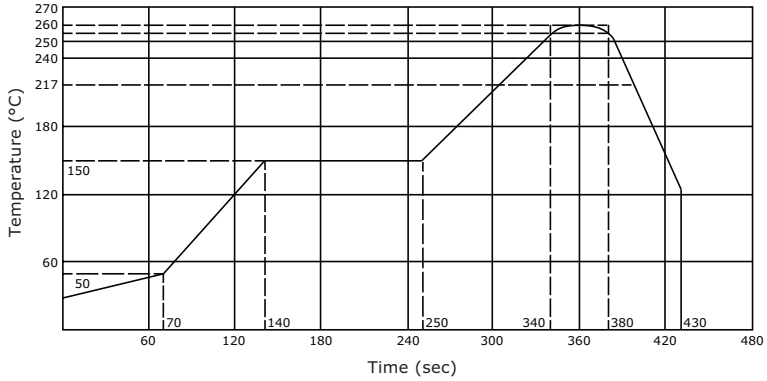
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance[1]	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

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

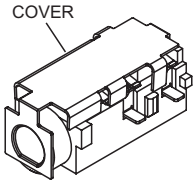
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering[3]	see reflow profile	255	260	265	°C
drying conditions[4]	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

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.

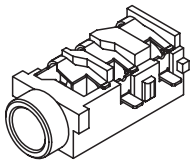


MECHANICAL DRAWING

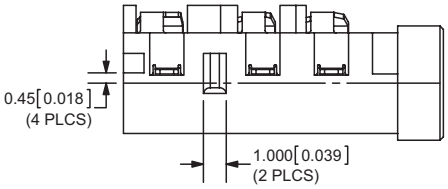
units: mm[inches]
tolerance: X.X ±0.2mm
X.XX ±0.1mm
X.XXX ±0.05mm
PCB: ±0.05 mm

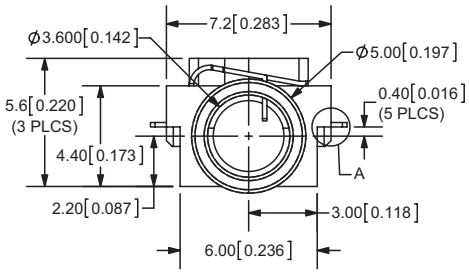


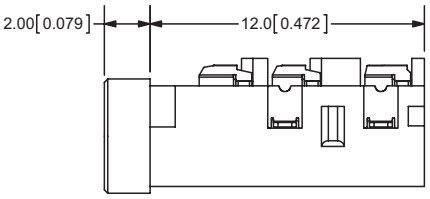
Protective cover to be removed and should be considered scrap after connector is soldered to PCB.

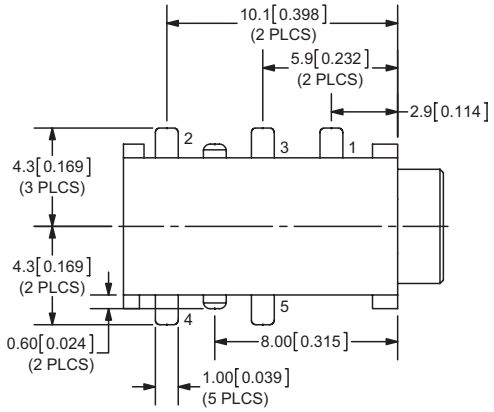


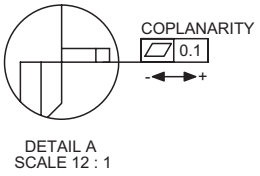
	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 3	copper alloy	gold flash
terminal 4	copper alloy	gold flash
terminal 5	copper alloy	gold flash
shield	stainless steel	
plastic	PA6T or equivalent	

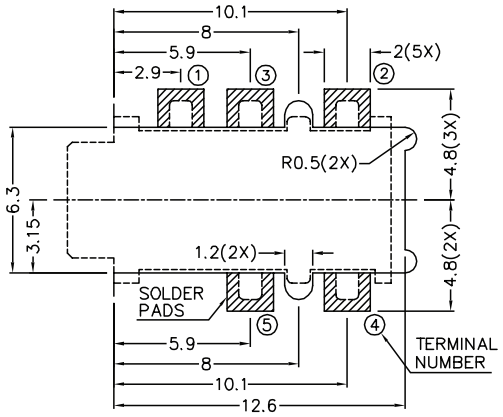




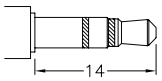








Recommended PCB Layout
Top View



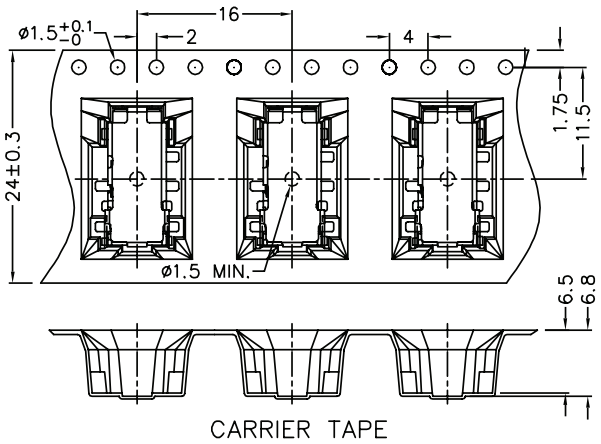
ø3.5 mating plug

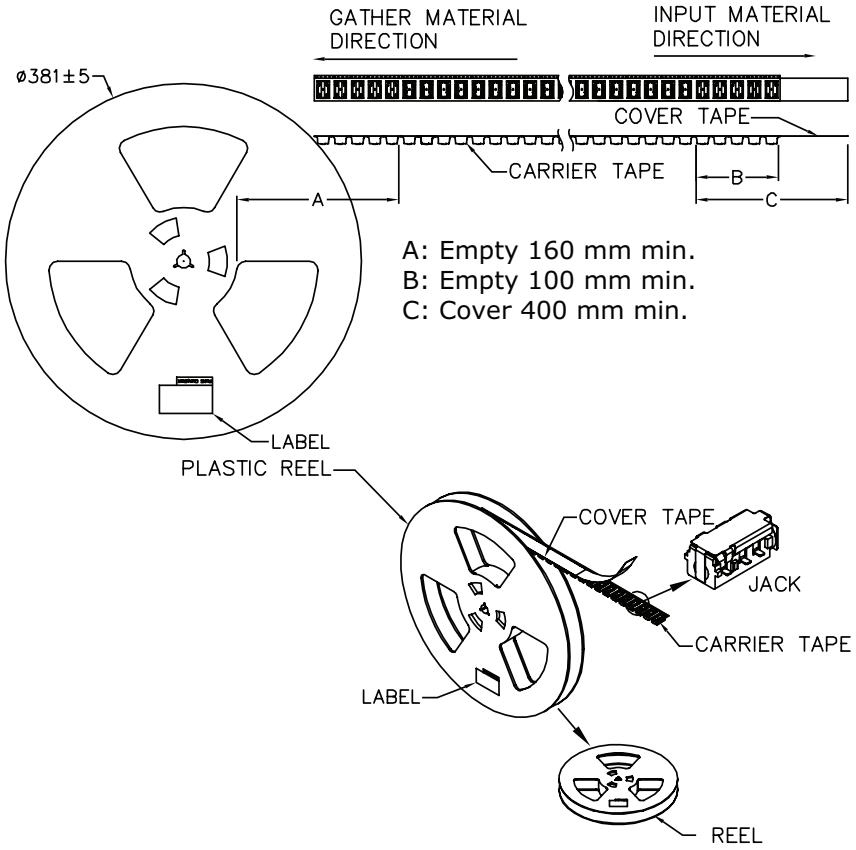
Model No.	SJ-3503-SMT-TR
Schematic	
PIN	
1	sleeve
2	tip
3	ring
4	tip switch
5	ring switch

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
1.04	brand update	10/08/2019

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

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

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