

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

**FEATURES**

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



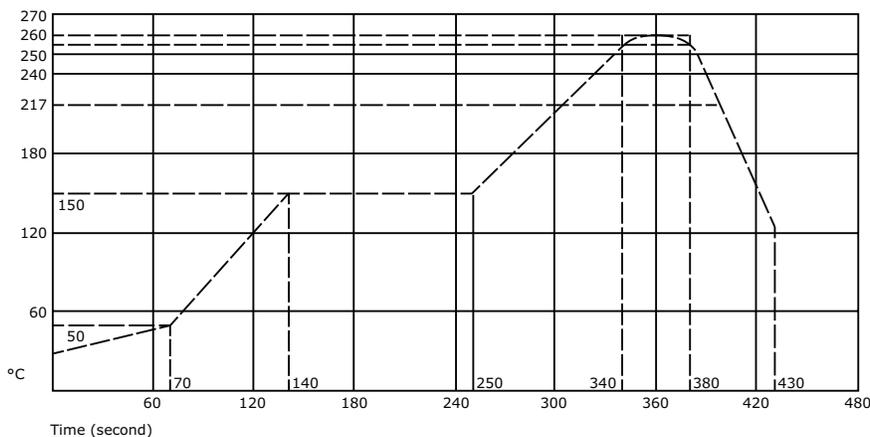
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

Notes: 1. When measured at a current of less than 100 mA / 1 kHz  
2. Add suffix "-TR" to the model number for tape and reel packaging.

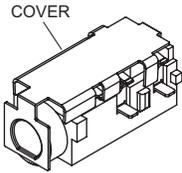
**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reflow soldering	see reflow profile	255	260	265	°C

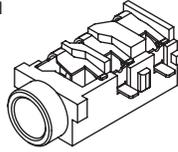


## MECHANICAL DRAWING

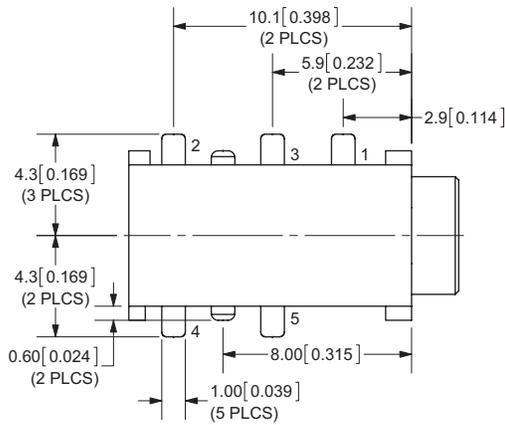
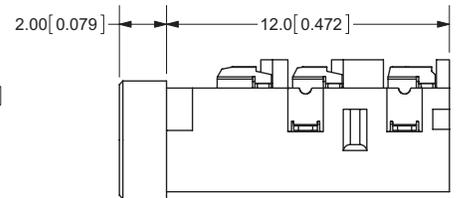
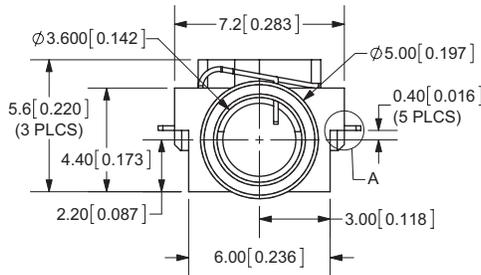
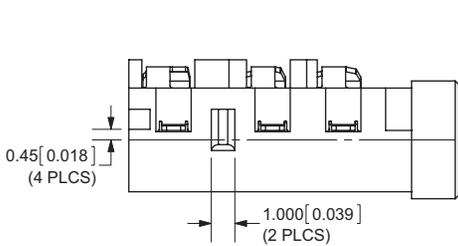
units: mm[inches]  
 tolerance: X.X ±0.2mm  
           X.XX ±0.1mm  
           X.XXX ±0.05mm



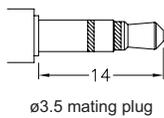
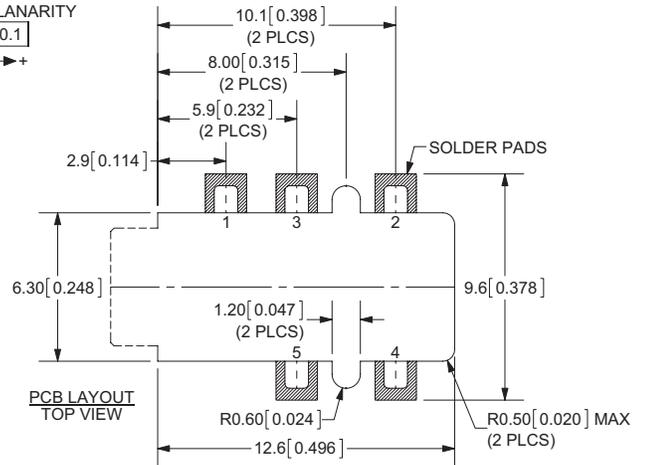
Protective cover to be removed and should be considered scrap after connector is soldered to PCB.



	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	



COPLANARITY  
 0.1



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

## REVISION HISTORY

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<b>rev.</b>	<b>description</b>	<b>date</b>
1.0	initial release	06/27/2011
1.01	added TR package option	11/28/2012
1.02	updated spec	10/08/2014

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



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

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