CUI DEVICES

MODEL: MJ1-2510-SMT-TR | **DESCRIPTION:** AUDIO JACK

FEATURES

- surface mount
- horizontal
- tip switch
- tape and reel package



RoHS

SPECIFICATIONS

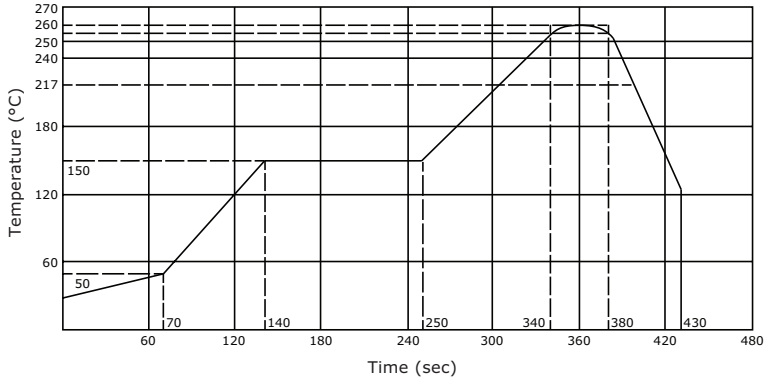
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance[1]	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal 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

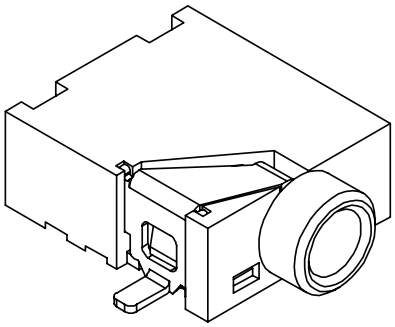
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering[3]	see reflow profile	255	260	265	°C
drying conditions[4]	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

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.

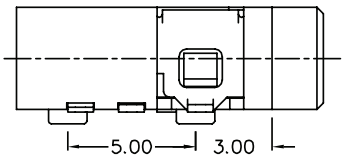


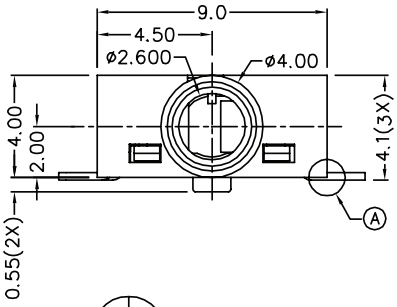
MECHANICAL DRAWING

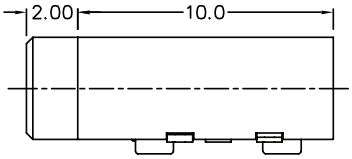
units: mm
tolerance:
X.X ±0.2mm
X.XX ±0.1mm
X.XXX ±0.05mm
PCB: ±0.05 mm

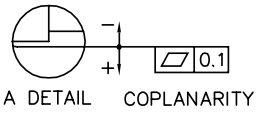


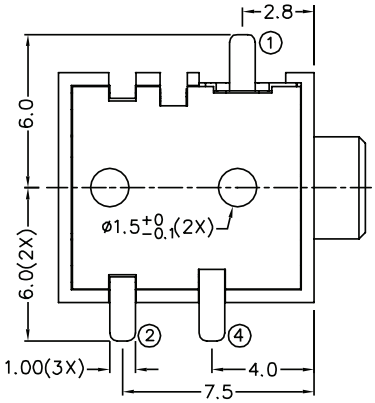
	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 4	brass	gold flash
plastic	PA6T or equivalent	

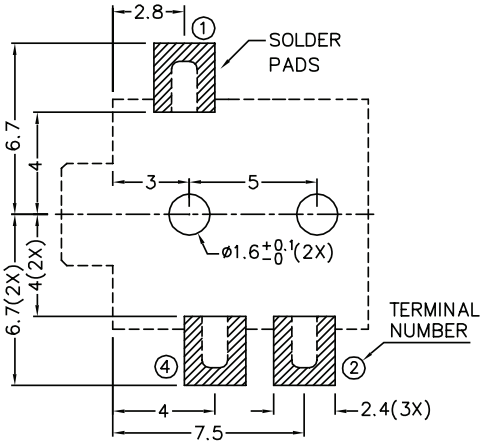




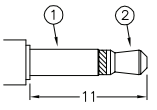




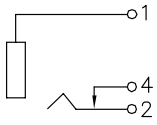




Recommended PCB Layout
Top View



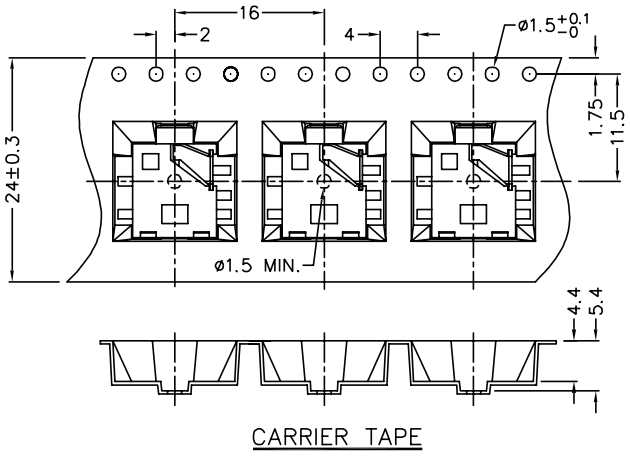
ø2.5 MATE PLUG

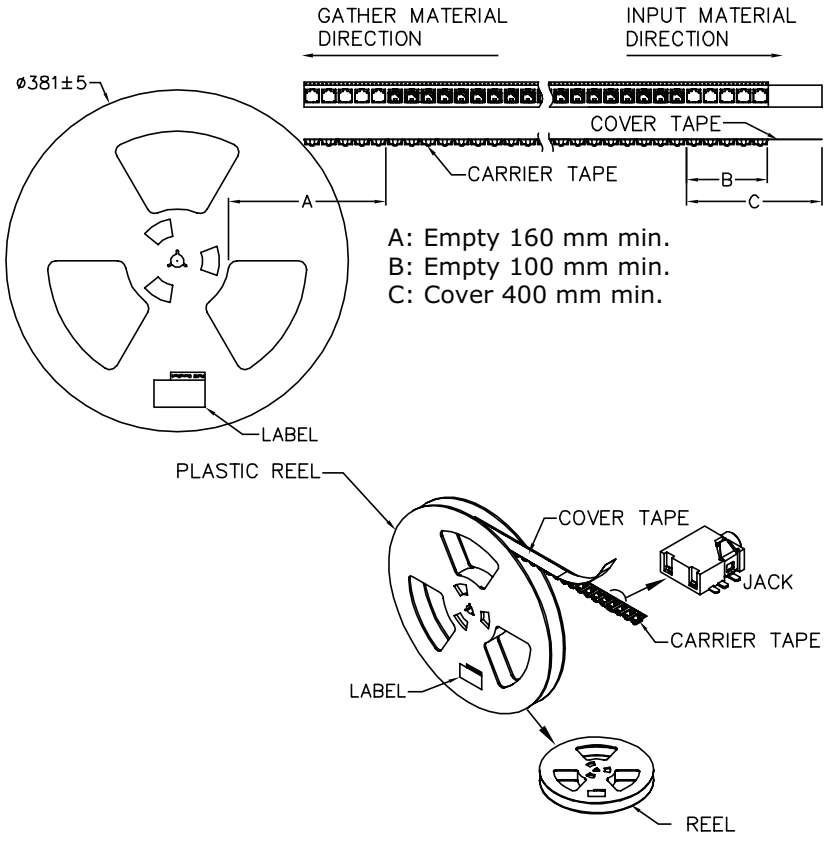
Model No.	MJ1-2510-SMT-TR
Schematic	
PIN	
1	sleeve
2	tip
4	tip switch

PACKAGING

units: mm

Reel Size: Ø381 mm
Reel QTY: 1,000 pcs per reel





REVISION HISTORY

rev.	description	date
1.0	initial release	11/09/2005
1.01	added TR package option	11/07/2012
1.02	added storage and drying conditions, and tape and reel packaging details	01/12/2018
1.03	brand update	10/04/2019

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

CUI DEVICES

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