

**MODEL:** MJ1-2533-SMT-TR | **DESCRIPTION:** AUDIO JACK

**FEATURES**

- surface mount
- horizontal
- tip switch
- tape and reel package
- suitable for medical applications



**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	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**

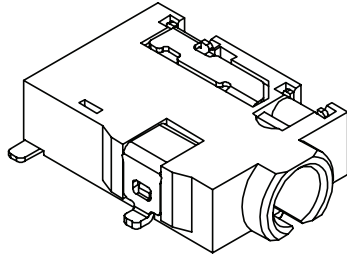
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>3</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>4</sup>	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

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.

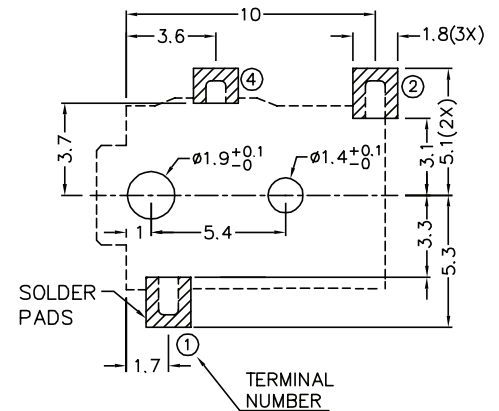
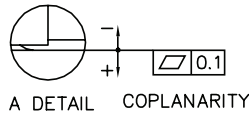
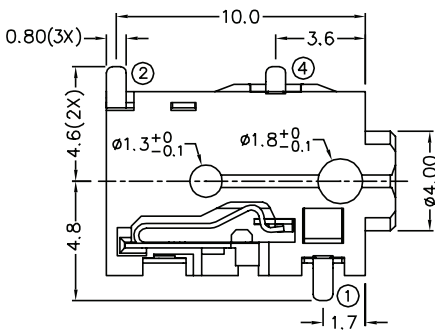
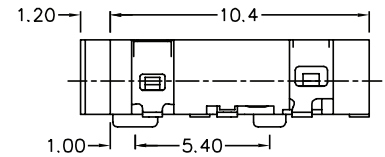
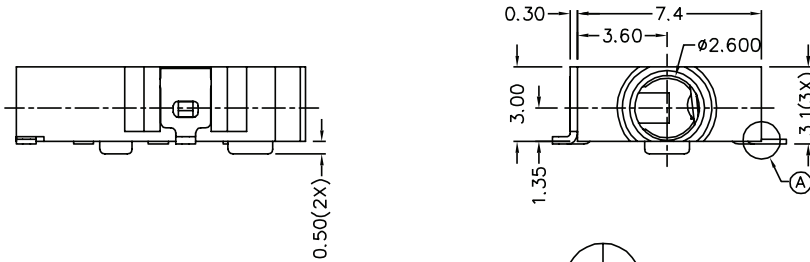


## MECHANICAL DRAWING

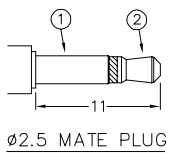
units: mm  
 tolerance:  
 X.X ±0.2mm  
 X.XX ±0.1mm  
 X.XXX ±0.05mm  
 PCB: ±0.05 mm



	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



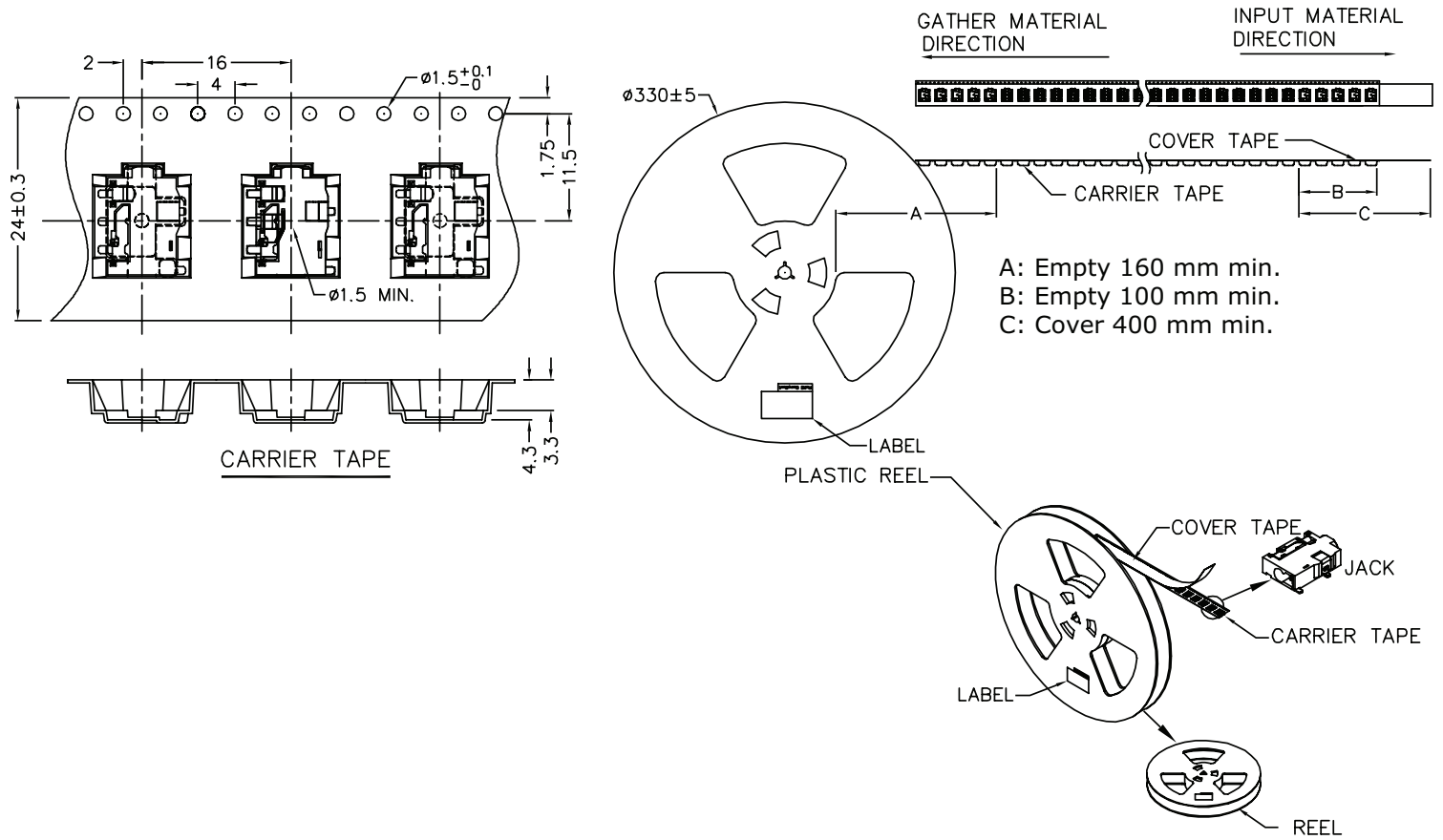
Model No.	MJ1-2533-SMT-TR
Schematic	
PIN	
1	sleeve
2	tip
4	tip switch

## PACKAGING

units: mm

Reel Size: Ø330 mm

Reel QTY: 1,000 pcs per reel



## REVISION HISTORY

rev.	description	date
1.0	initial release	04/11/2006
1.01	housing updated	09/08/2010
1.02	added TR package option	11/07/2012
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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