



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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

**FEATURES**

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



**SPECIFICATIONS**

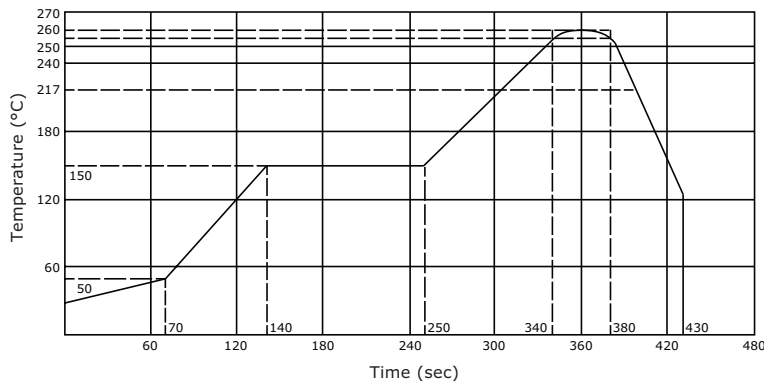
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500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

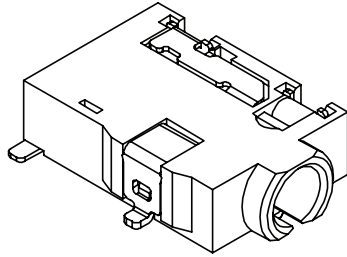
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>3</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>4</sup>	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

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.

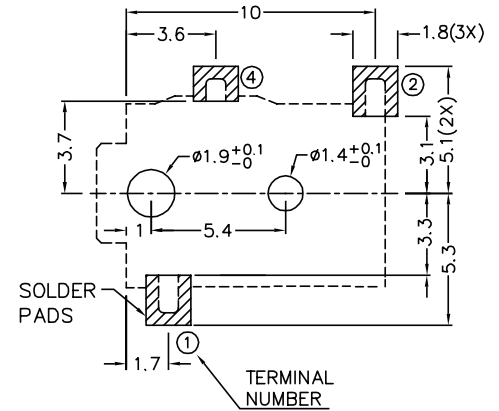
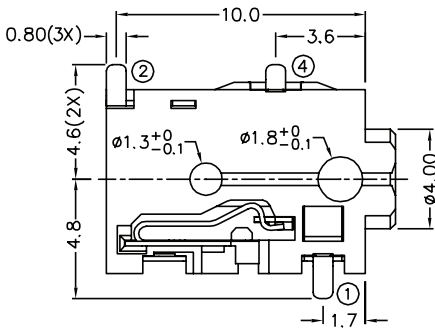
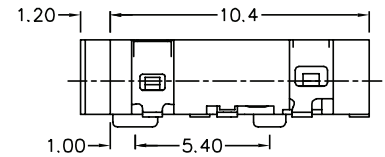
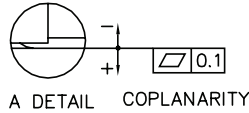
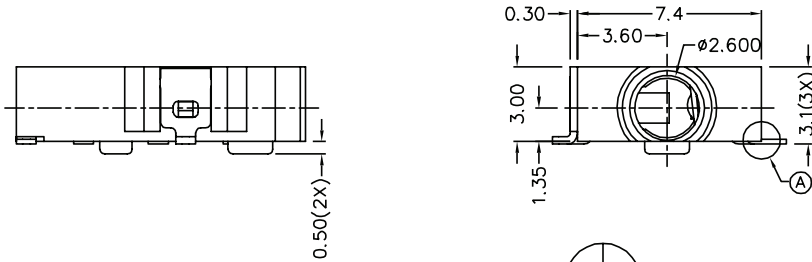


## MECHANICAL DRAWING

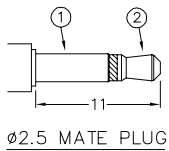
units: mm  
 tolerance:  
 X.X ±0.2mm  
 X.XX ±0.1mm  
 X.XXX ±0.05mm  
 PCB: ±0.05 mm



	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



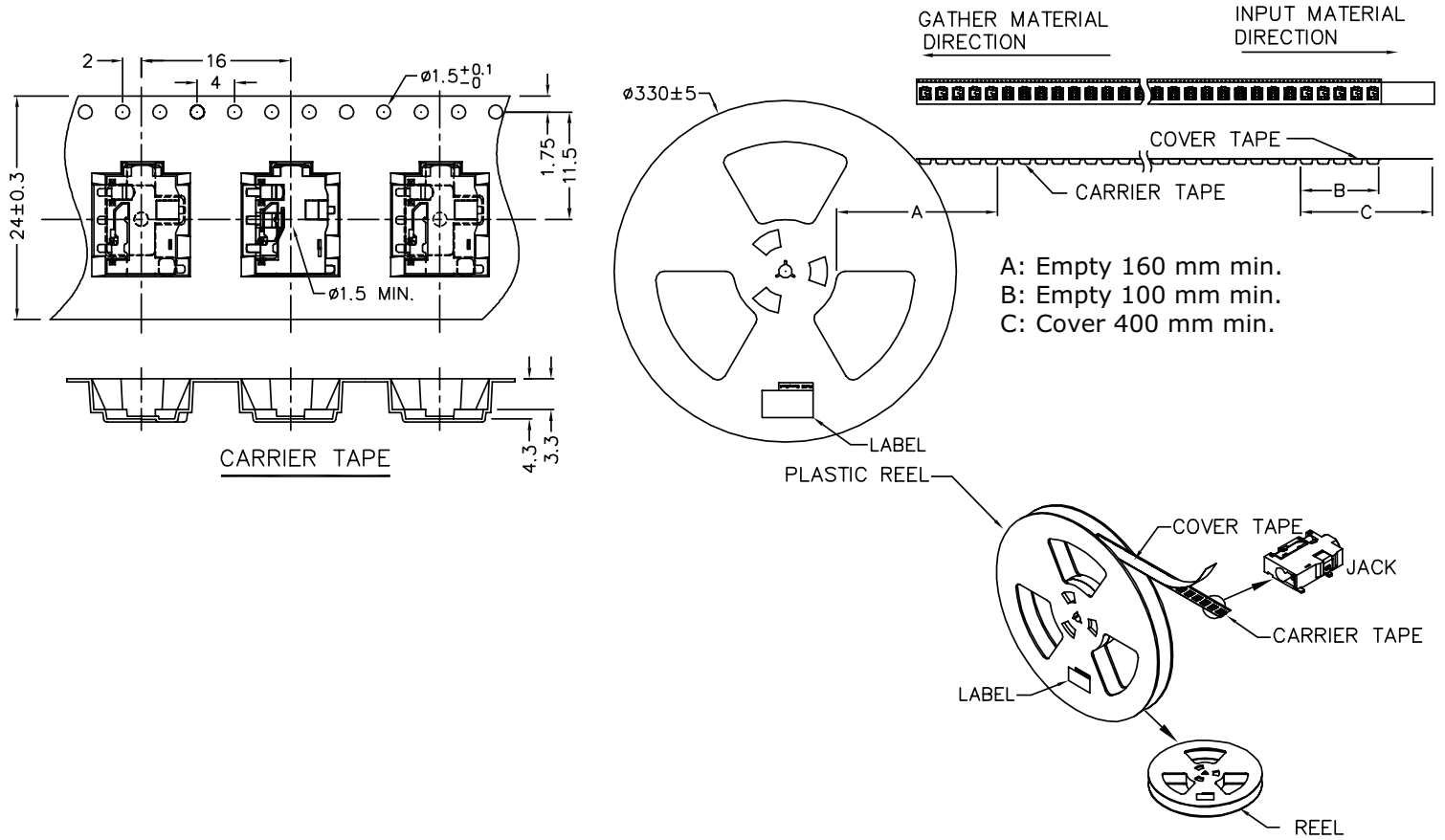
Model No.	MJ1-2533-SMT-TR
Schematic	
PIN	
1	sleeve
2	tip
4	tip switch

## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 1,000 pcs per reel





## REVISION HISTORY

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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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