

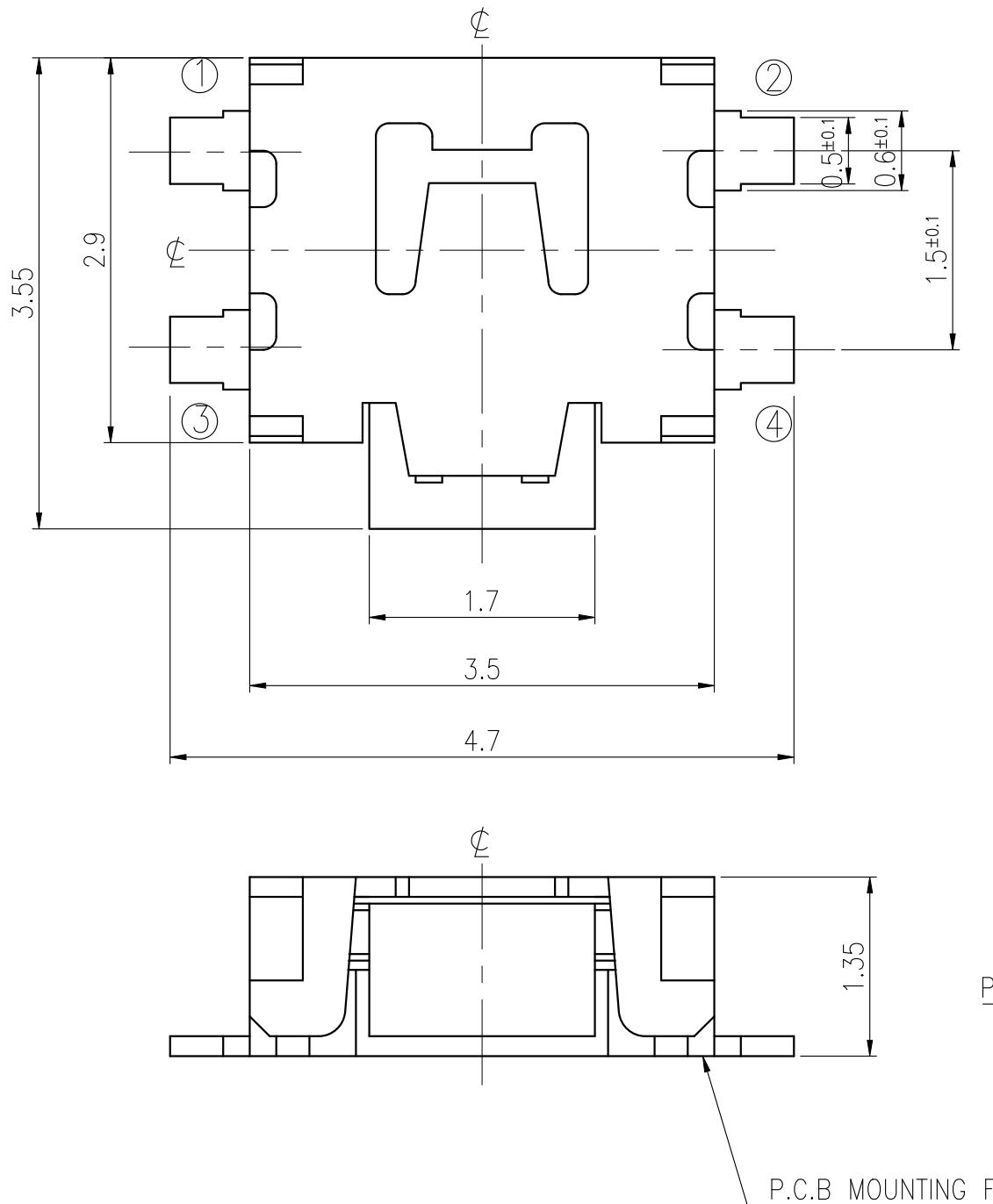
# RoHS Compliant



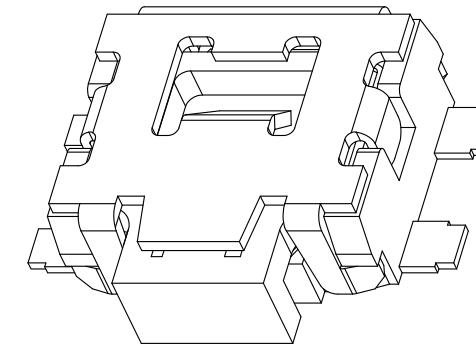
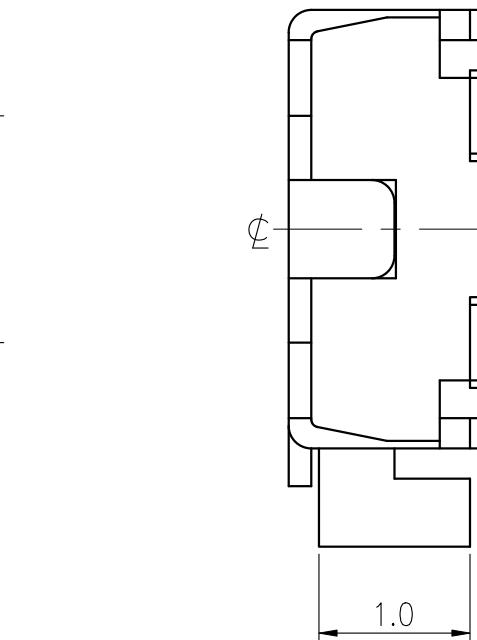
REVISIONS							
Rev	DESCRIPTION	DATE	DRAWER	Rev	DESCRIPTION	DATE	DRAWER
A	<b>Initial Drawing</b>	2013.04.24	Max Chen	C			
B				D			

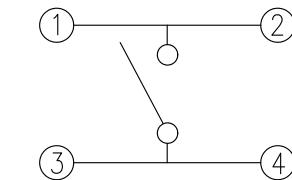
SPECIFICATIONS							
RATING	DC12V 50mA	TIMING					
CONTACT RESISTANCE	500mΩ MAX.	OPERATION (TORQUE)					
INSULATION RESISTANCE	DC500V – 100MΩ MIN.	STROKE (ANGLE)	0.2 <sup>+0.2</sup> <sub>-0.1</sub> mm				
WITHSTAND VOLTAGE	AC250V – 1 MINUTE.	CONTACT RESISTANCE	1Ω MAX.				
REMARKS:		(AFTER 100,000 CYCLES	LIFE TEST)				



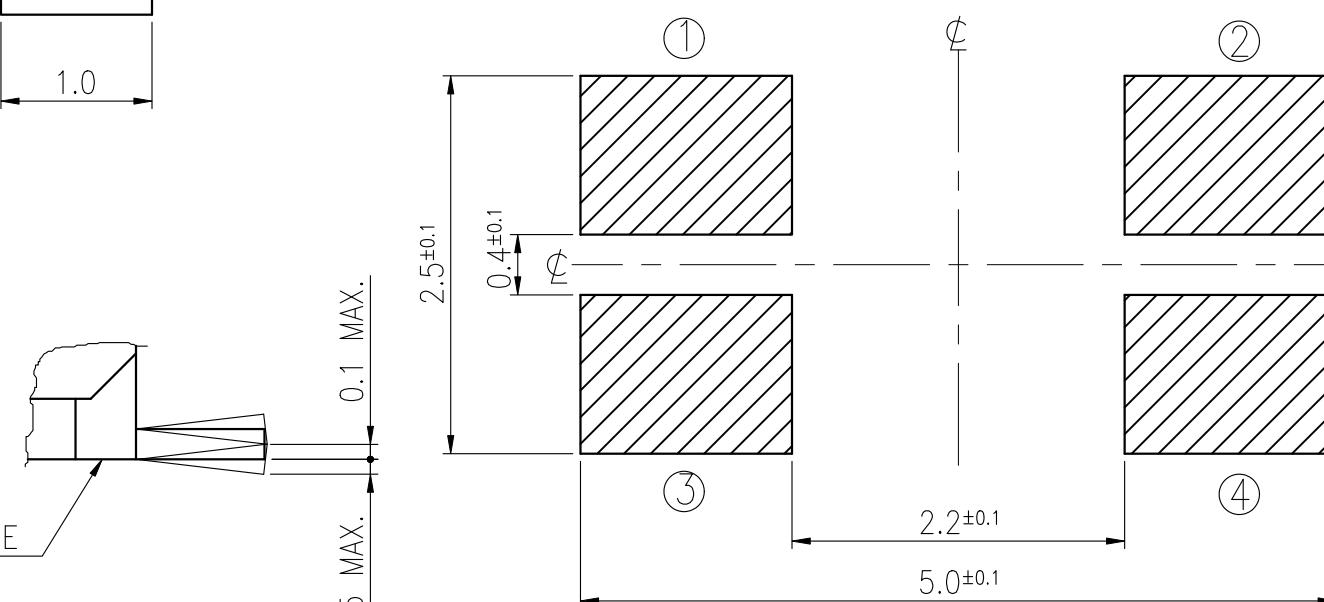
MODEL NO.	OPERATING FORCE
ETC311-EC1G-A160T	160+70gf - 40gf
ETC311-EC1G-A220T	220+80gf - 70gf



## SCHEMATIC



## RECOMMENDED P.C.B LAYOUT



HATCHED AREA SHOWS SOLDERING LAND

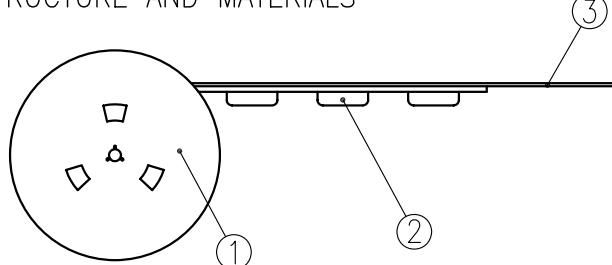
TOLERANCES UNLESS OTHERWISE SPECIFIED ±0.2			SIGNATURES	DATE	MODEL
			DRAWER	Max Chen	TITLE
			CHECKED		
 	UNIT mm	SCALE 20/1	REVIEWED		NO. SEE MODEL NO.
			APPROVALS	<i>Dennis Hung</i>	
TAIWAN MISAKI ELECTRONICS CO., LTD.					

TAIWAN MISAKI ELECTRONICS CO., LTD.

# THE PACKING SPECIFICATIONS

RoHS Compliant

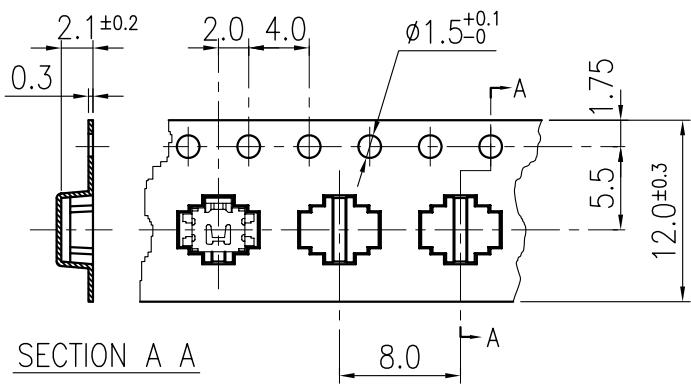
## 1. STRUCTURE AND MATERIALS



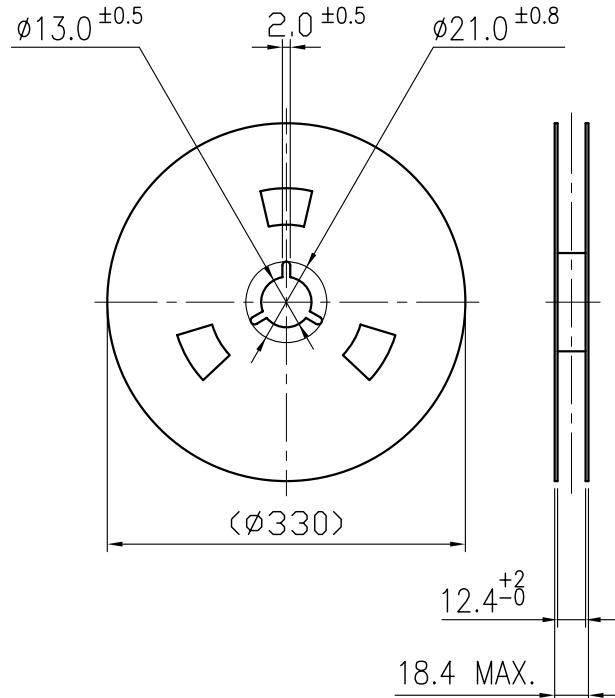
NO.	PARTS NAME	MATERIALS
③	COVER TAPE	POLYESTER
②	CARRIER TAPE	POLYSTYRENE
①	REEL	POLYSTYRENE

- PACKAGING QUANTITY : 3,500 PCS/REEL
- MORE THAN 10 EMPTY POCKETS SHOULD BE REMAINED AT BOTH ENDS OF THE CARRIER TAPE FOR EACH REEL.
- SHORTAGE LESS THAN 10 PCS A REEL IS ACCEPTABLE BUT MORE THAN 3 RUNNING POCKETS SHORTAGE IS NOT ALLOWED.
- STRIPPING STRENGTH OF COVER TAPE IS BETWEEN 10 gf TO 70 gf AND STRIPPING ANGLE SHOULD BE WITHIN 165° ~ 180°.
- THE SWITCH SHOULD NOT BE STAYED IN CARRIER TAPE WHEN CARRIER TAPE UPSIDE DOWN.
- END OF CARRIER TAPE IS APART FROM REEL EASILY.
- THE DIRECTION OF MARK IS FREE.
- DIMENSIONS :

### CARRIER TAPE

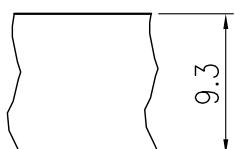


### REEL



### DRAWING DIRECTION

### COVER TAPE



SYN	DESCRIPTION	DATE	APPROVED	APPROVED BY	REVIEWED BY	CHECKED BY	DESIGNED BY	MODEL NO.
					Ken Lin	2007.05.18	Max Chen	NTC311-EC1G-A220T
								PAGINATE. 1/1
								SPEC NO. P-380