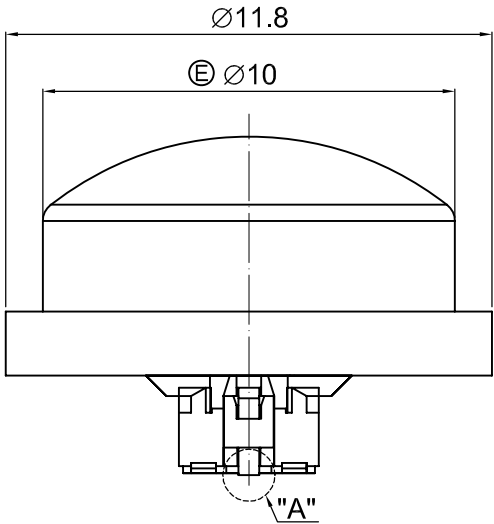
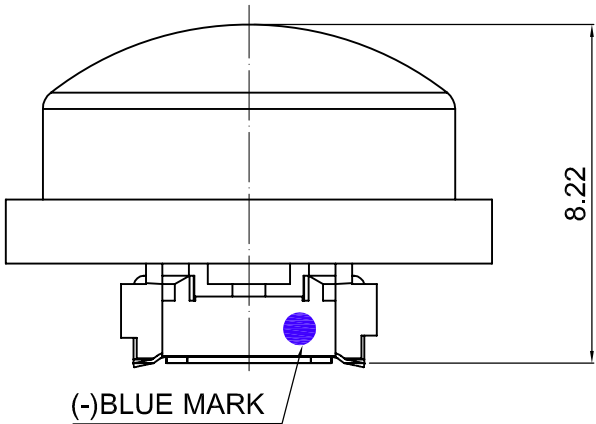
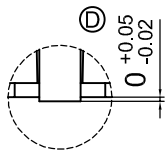
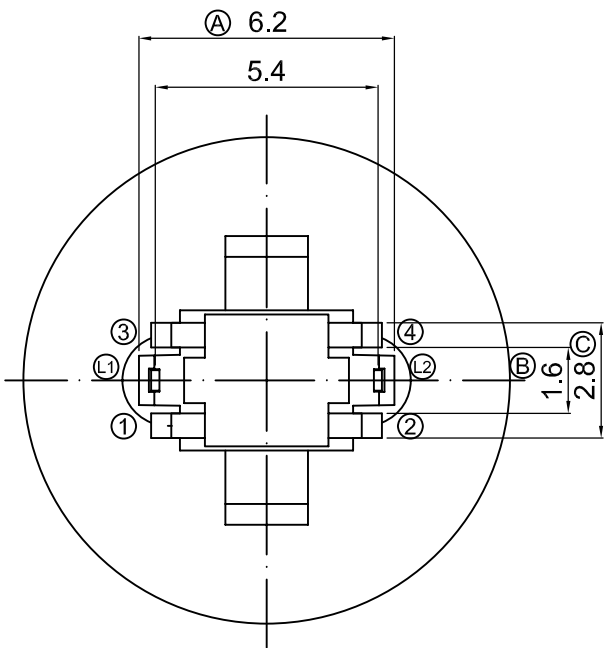


DIMENSION	TOLERANCE
BELOW 10 mm	± 0.3
10~100 mm	± 0.5
ABOVE 100 mm	± 0.8
ANGLE	± 3°

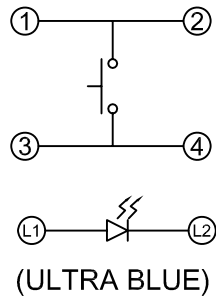


1. RATING : 12 V DC , 50 mA .
2. CONTACT RESISTANCE : 500 mΩ MAX .
3. INSULATION RESISTANCE : 100 V DC , 100 MΩ MIN .
4. OPERATING TEMPERATURE : -20°C ~ 70°C .
5. OPERATING FORCE : 160±50gf .
6. OPERATING LIFE : 100,000 CYCLES .

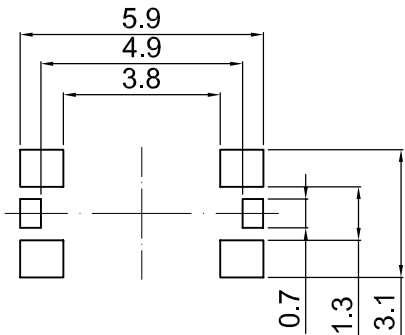


"A" SECTION (2:1)

CIRCUIT DIAGRAM

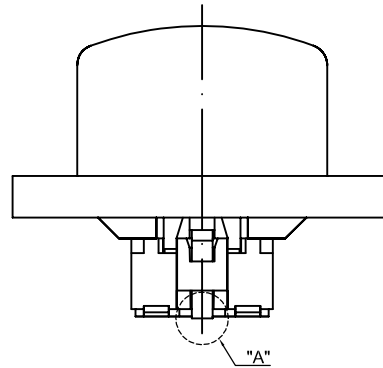
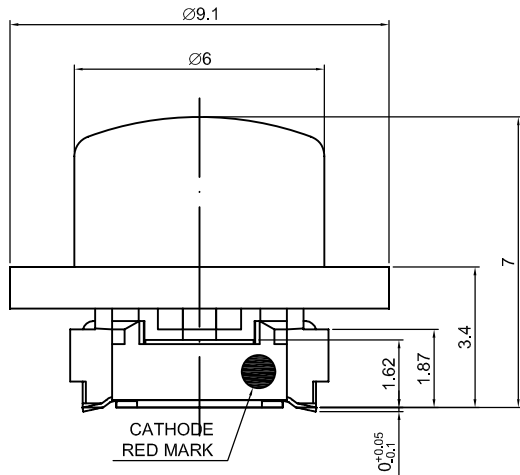


P.C.B. LAYOUT

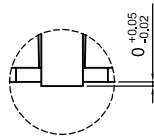


△				DATE	2013/03/05	UNIT	mm	MODE	TACT SWITCH
△				APPROVAL	KAVEN	SCALE	1 : 1	PART	TC017L-N11AAWUBXX
△				CONFIRM	TEREANCE	VIEW	⊕	2D FILE NAME	TC017L-N11AAWUBXX
	DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	ZJY	VER.	01	3D FILE NAME

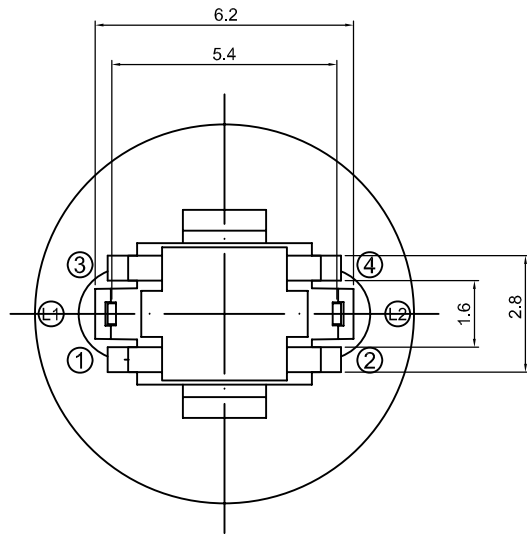
DIMENSION	TOLERANCE
BELOW 10 mm	± 0.3
10~100 mm	± 0.5
ABOVE 100 mm	± 0.8
ANGLE	± 3°



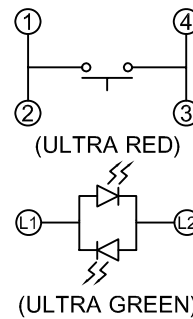
1. RATING : 12 V DC , 50 mA .
2. CONTACT RESISTANCE : 500 mΩ MAX .
3. INSULATION RESISTANCE : 100 V DC , 100 MΩ MIN .
4. OPERATING TEMPERATURE : -20°C ~ 70°C .
5. OPERATING FORCE : 160± 50gf .
6. OPERATING LIFE : 100,000 CYCLES .



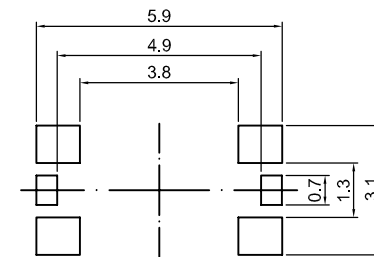
"A" SECTION (2:1)



CIRCUIT DIAGRAM

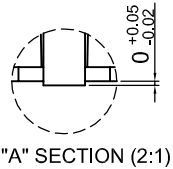
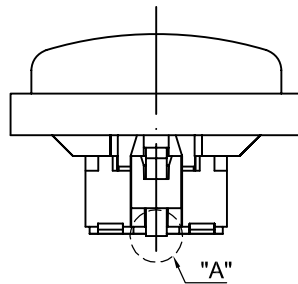
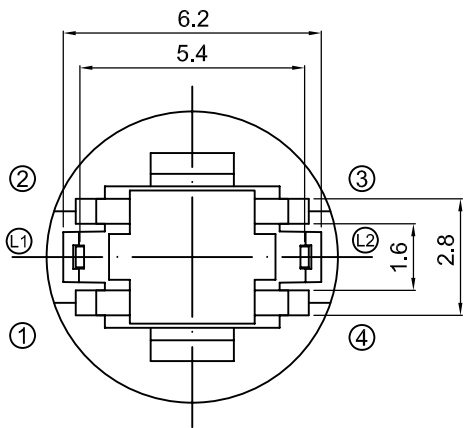
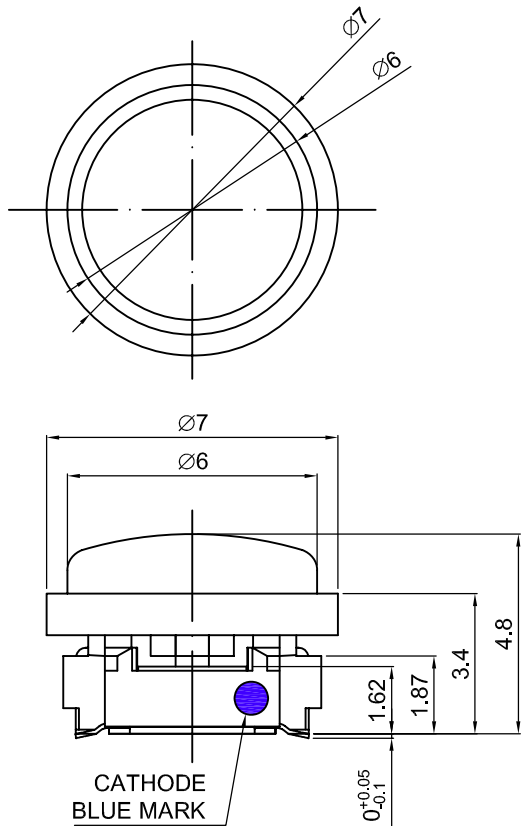


P.C.B. LAYOUT

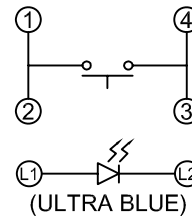


△				DATE	2012/07/5	UNIT	mm	MODE	TACT SWITCH
△				APPROVAL	KAVEN	SCALE	1 : 1	PART	TC017L-N11ACWURUG
△				CONFIRM	ALAN	VIEW		2D FILE NAME	TC017L-N11ACWURUG
	DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	HQ	VER.	01	3D FILE NAME

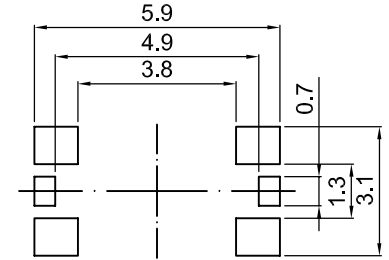
DIMENSION	TOLERANCE
BELOW 10 mm	± 0.3
10~100 mm	± 0.5
ABOVE 100 mm	± 0.8
ANGLE	± 3°



CIRCUIT DIAGRAM

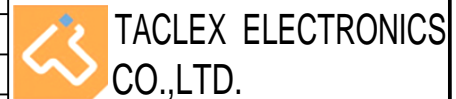


P.C.B. LAYOUT

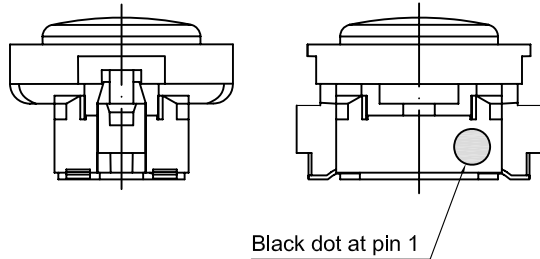
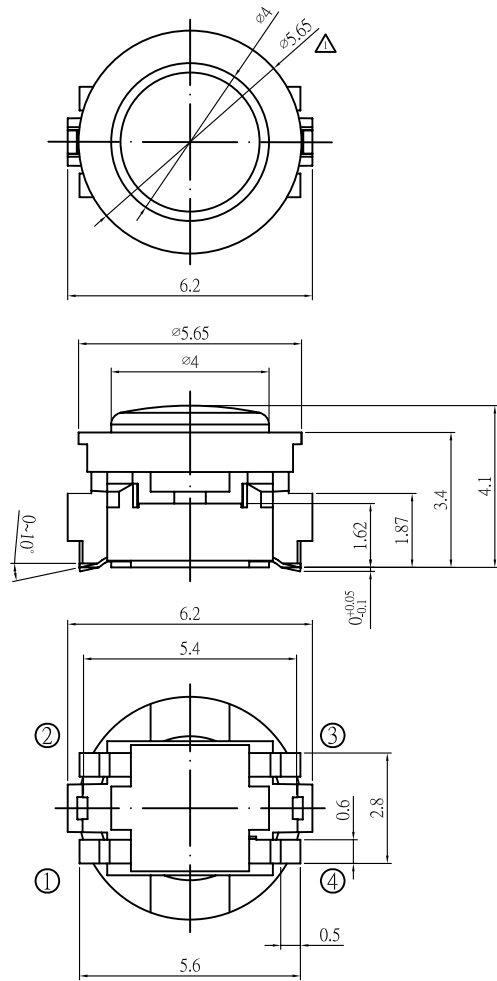


1. RATING : 12 V DC , 50 mA .
2. CONTACT RESISTANCE : 500 mΩ MAX .
3. INSULATION RESISTANCE : 100 V DC , 100 MΩ MIN .
4. OPERATING TEMPERATURE : -20°C ~ 70°C .
5. OPERATING FORCE : 160± 50gf .
6. OPERATING LIFE : 100,000 CYCLES .

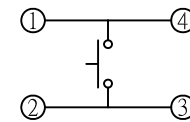
△					DATE	2012/10/08	UNIT	mm	MODE	TACT SWITCH
△					APPROVAL	KAVEN	SCALE	1 : 1	PART	TC017L-N11AHWUBXX
△					CONFIRM	ALAN	VIEW	☉	2D FILE NAME	TC017L-N11AHWUBXX
	DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	ZJY	VER.	01	3D FILE NAME	



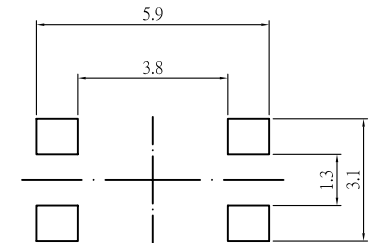
DIMENSION	TOLERANCE
BELOW 10 mm	± 0.3
10~100 mm	± 0.5
ABOVE 100 mm	± 0.8
ANGLE	± 3°



CIRCUIT DIAGRAM

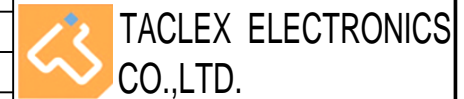


P.C.B. LAYOUT

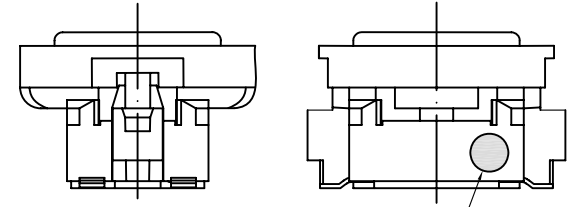
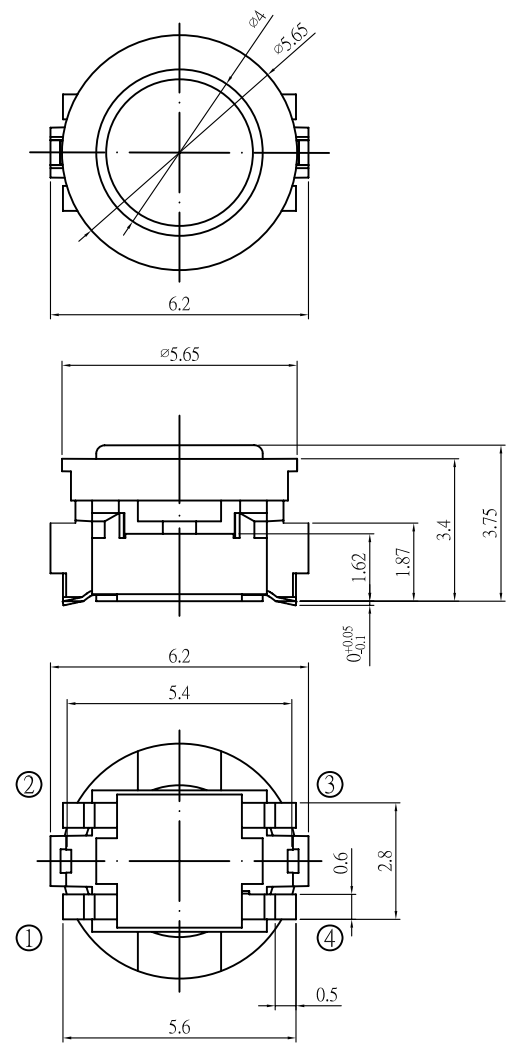


1. RATING : 12 V DC , 50 mA .
2. CONTACT RESISTANCE : 500 mΩ MAX .
3. INSULATION RESISTANCE : 100 V DC , 100 MΩ MIN .
4. OPERATING TEMPERATURE : -20°C ~ 70°C .
5. OPERATING FORCE : 160±50gf .
6. OPERATING LIFE : 100,000 CYCLES .
7. BUTTON PULLING FORCE : 140gf MIN.

△					DATE	2011/10/12	UNIT	mm	MODE	TACT SWITCH
△					APPROVAL	KAVEN	SCALE	1 : 1	PART	TC017L-N11AIKXXXX-1
△	201110/26		KAVEN	4.65 > 5.65	CONFIRM	ALAN	VIEW		2D FILE NAME	TC017L-N11AIKXXXX-1
	DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	KAVEN	VER.	02	3D FILE NAME	

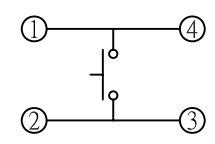


DIMENSION	TOLERANCE
BELOW 10 mm	± 0.3
10~100 mm	± 0.5
ABOVE 100 mm	± 0.8
ANGLE	± 3°

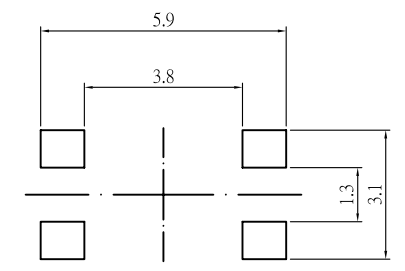


Black dot at pin 1

CIRCUIT DIAGRAM

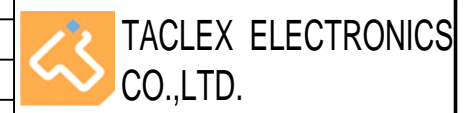


P.C.B. LAYOUT

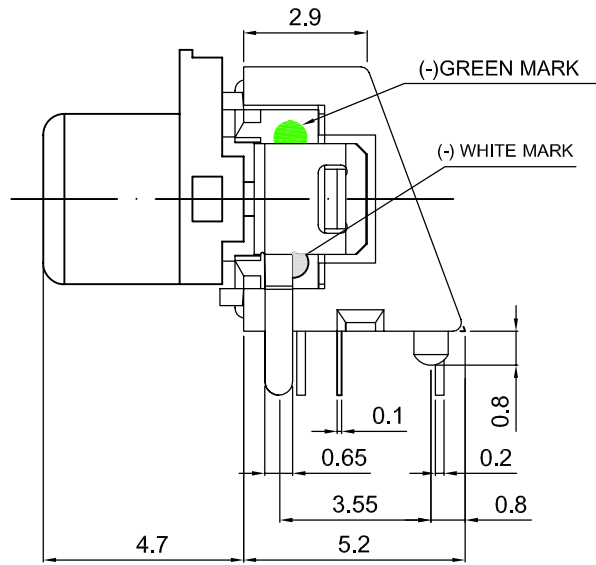
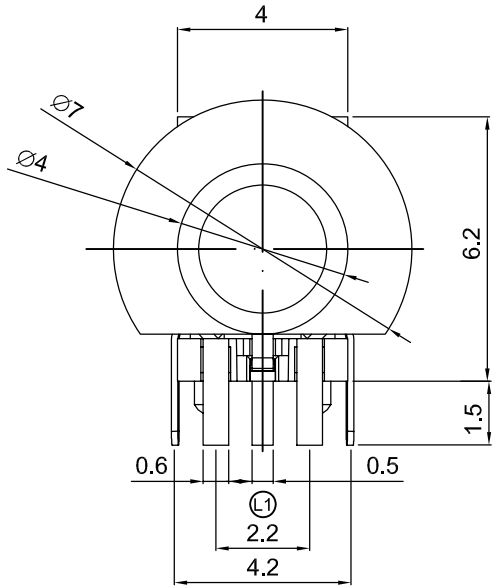


1. RATING : 12 V DC , 50 mA .
2. CONTACT RESISTANCE : 500 mΩ MAX .
3. INSULATION RESISTANCE : 100 V DC , 100 MΩ MIN .
4. OPERATING TEMPERATURE : -20°C ~ 70°C .
5. OPERATING FORCE : 160±50gf .
6. OPERATING LIFE : 100,000 CYCLES .
7. BUTTON PULLING FORCE : 140gf MIN.

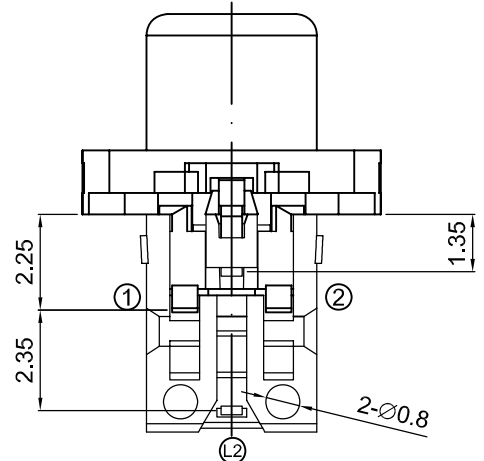
△					DATE	2012/05/25	UNIT	mm	MODE	TACT SWITCH
△					APPROVAL	KAVEN	SCALE	1 : 1	PART	TC017L-N11AJKXXXX
△					CONFIRM	ALAN	VIEW		2D FILE NAME	TC017L-N11AJKXXXX
	DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	KAVEN	VER.	02	3D FILE NAME	



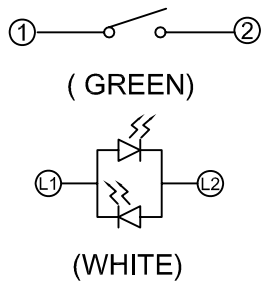
DIMENSION	TOLERANCE
BELOW 10 mm	± 0.3
10~100 mm	± 0.5
ABOVE 100 mm	± 0.8
ANGLE	± 3°



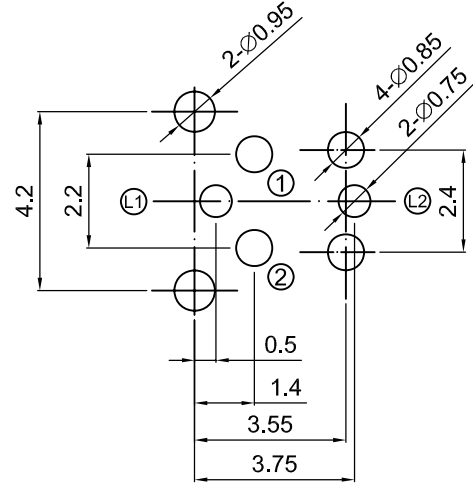
1. RATING : 12 V DC , 50 mA .
2. CONTACT RESISTANCE : 500 mΩ MAX .
3. INSULATION RESISTANCE : 100 V DC , 100 MΩ MIN .
4. OPERATING TEMPERATURE : -20°C ~ 70°C .
5. OPERATING FORCE : 160±50gf .
6. OPERATING LIFE : 100,000 CYCLES .



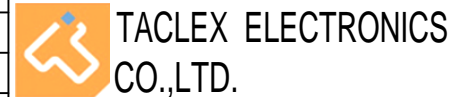
CIRCUIT DIAGRAM



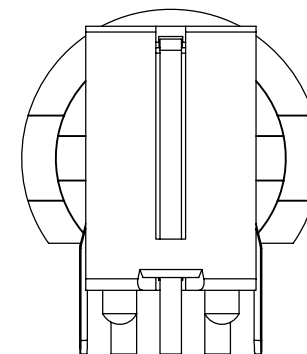
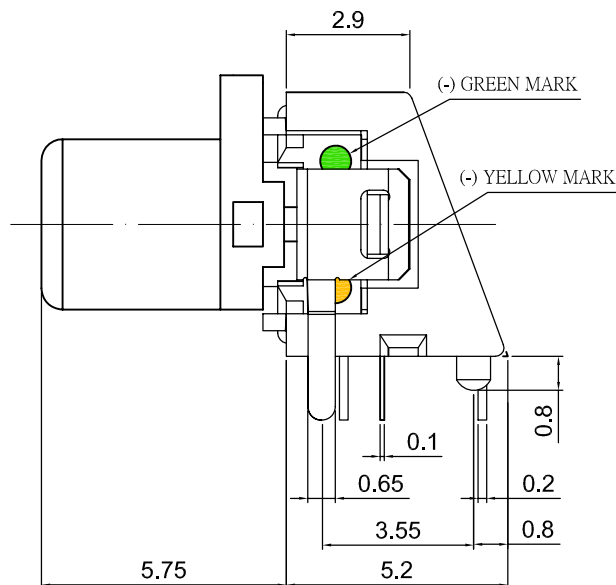
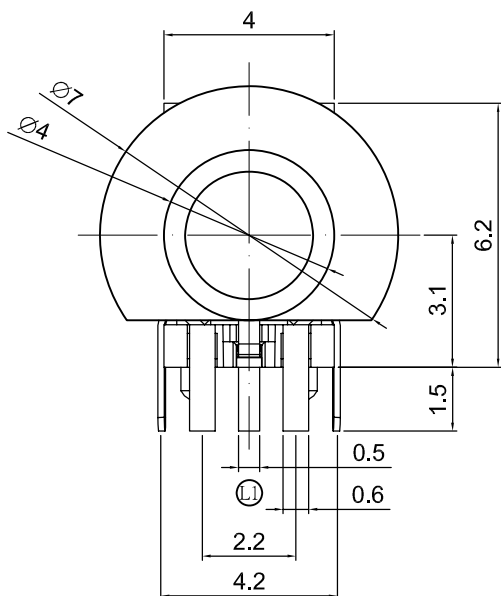
P.C.B. LAYOUT



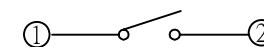
△					DATE	2012/1/31	UNIT	mm	MODE	TACT SWITCH
△					APPROVAL	KAVEN	SCALE	1 : 1	PART	TC017L-N11B1DTUGUW
△					CONFIRM	ALAN	VIEW	⊕ ▽	2D FILE NAME	TC017L-N11B1DTUGUW
	DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	HQ	VER.	01	3D FILE NAME	



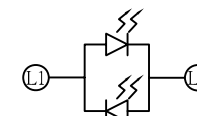
DIMENSION	TOLERANCE
BELOW 10 mm	± 0.3
10~100 mm	± 0.5
ABOVE 100 mm	± 0.8
ANGLE	± 3°



CIRCUIT DIAGRAM

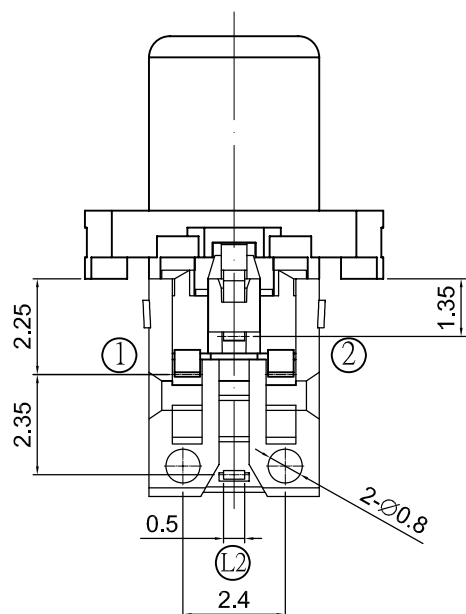
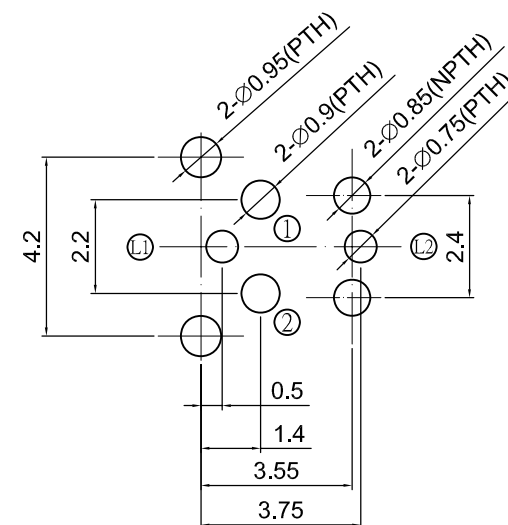


(GREEN)



(YELLOW)

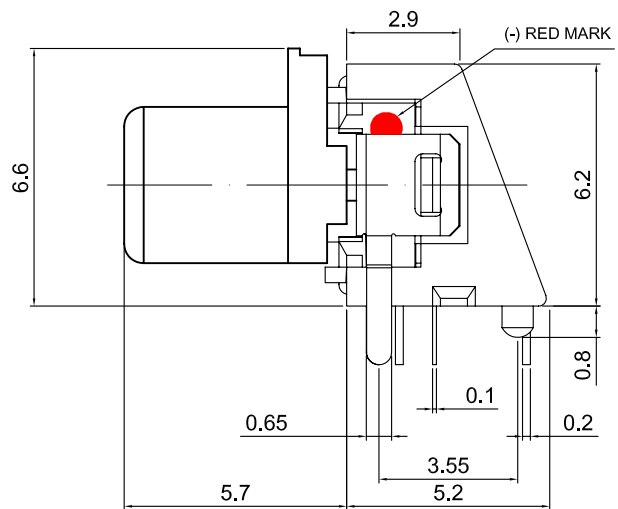
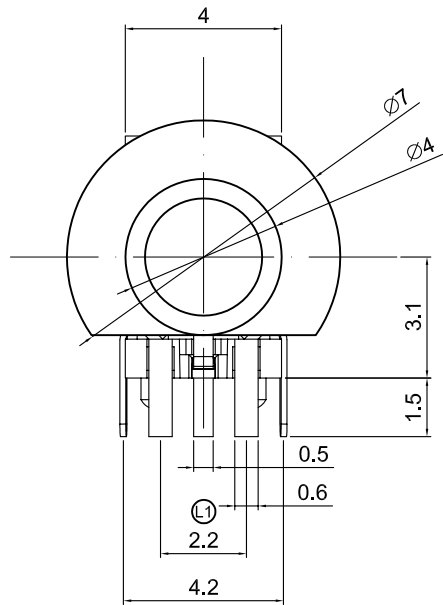
P.C.B. LAYOUT



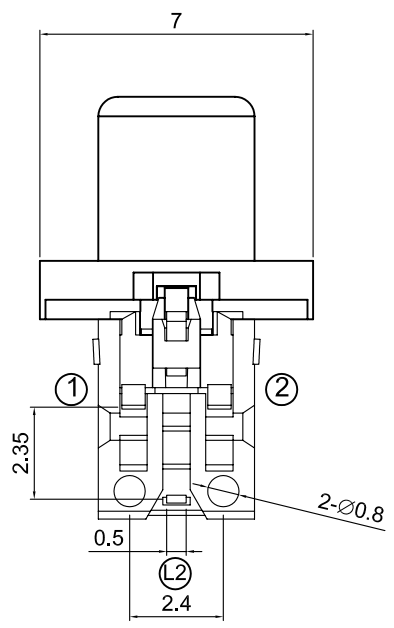
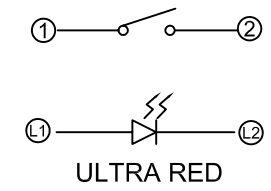
1. RATING : 12 V DC , 50 mA .
2. CONTACT RESISTANCE : 500 m Ω MAX .
3. INSULATION RESISTANCE : 100 V DC , 100 M Ω MIN .
4. OPERATING TEMPERATURE : -20 °C ~ 70 °C .
5. OPERATING FORCE : 250±50gf .
6. OPERATING LIFE : 100,000 CYCLES .

△				DATE	2012/2/21	UNIT	mm	MODE	TACT SWITCH
△				APPROVAL	KAVEN	SCALE	1 : 1	PART	TC017L-N11B1ETUGUY-1-LF
△	2011/11/10	KAVEN		Remove the tape	CONFIRM	ALAN	VIEW	2D FILE NAME	TC017L-N11B1ETUGUY-1-LF
	DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	LZJ	VER.	02	3D FILE NAME

DIMENSION	TOLERANCE
BELOW 10 mm	± 0.3
10~100 mm	± 0.5
ABOVE 100 mm	± 0.8
ANGLE	± 3°

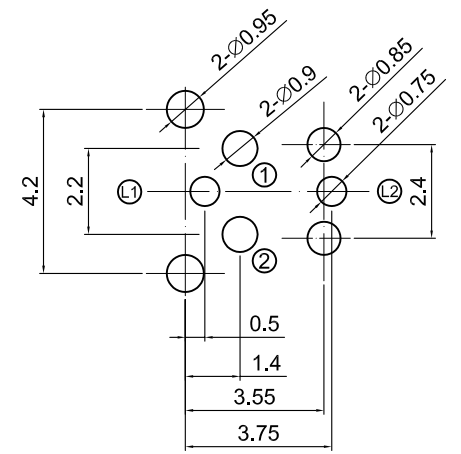


CIRCUIT DIAGRAM

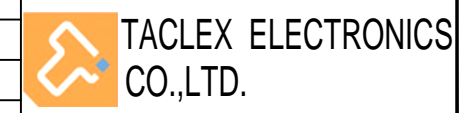


1. RATING : 12 V DC , 50 mA .
2. CONTACT RESISTANCE : 500 mΩ MAX .
3. INSULATION RESISTANCE : 100 V DC , 100 MΩ MIN .
4. OPERATING TEMPERATURE : -20°C ~ 70°C .
5. OPERATING FORCE : 160±50gf .
6. OPERATING LIFE : 100,000 CYCLES .

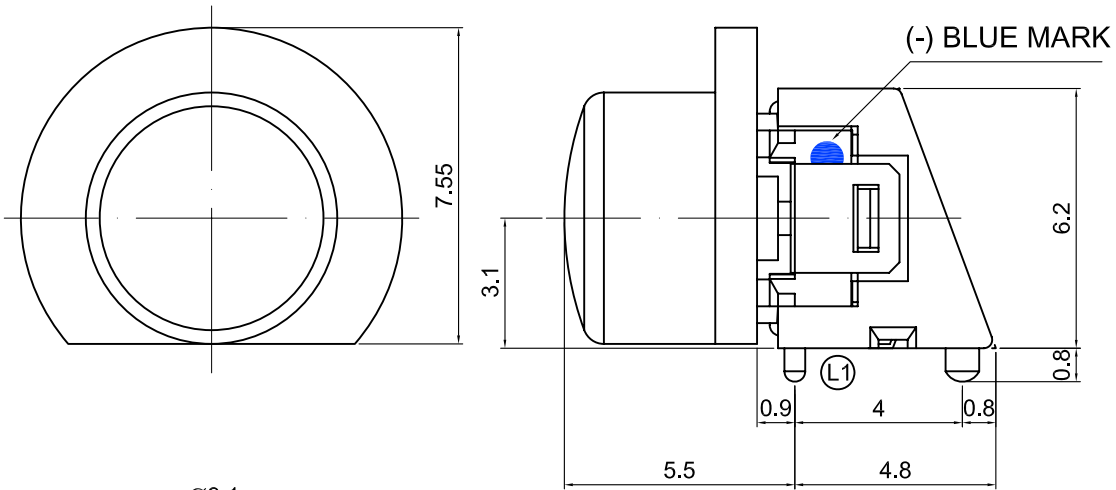
P.C.B. LAYOUT



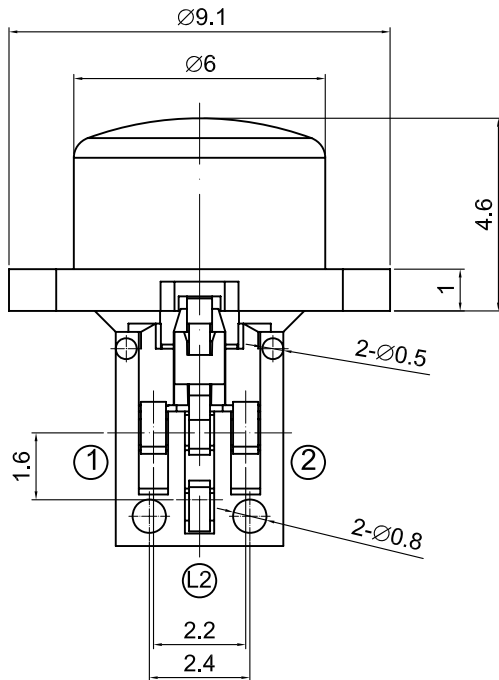
△					DATE	2011/09/14	UNIT	mm	MODE	TACT SWITCH
△					APPROVAL	KAVEN	SCALE	1 : 1	PART	TC017L-N11B1GWTURXX
△					CONFIRM	ALAN	VIEW	⊕ ⊖	2D FILE NAME	TC017L-N11B1GWTURXX
	DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	YWL	VER.	01	3D FILE NAME	



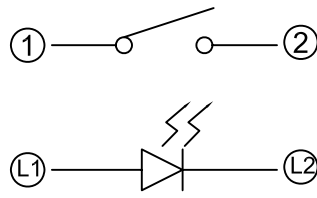
DIMENSION	TOLERANCE
BELOW 10 mm	± 0.3
10~100 mm	± 0.5
ABOVE 100 mm	± 0.8
ANGLE	± 3°



1. RATING : 12 V DC , 50 mA .
2. CONTACT RESISTANCE : 500 mΩ MAX .
3. INSULATION RESISTANCE : 100 V DC , 100 MΩ MIN .
4. OPERATING TEMPERATURE : -20°C ~ 70°C .
5. OPERATING FORCE : 160±50gf .
6. OPERATING LIFE : 100,000 CYCLES .

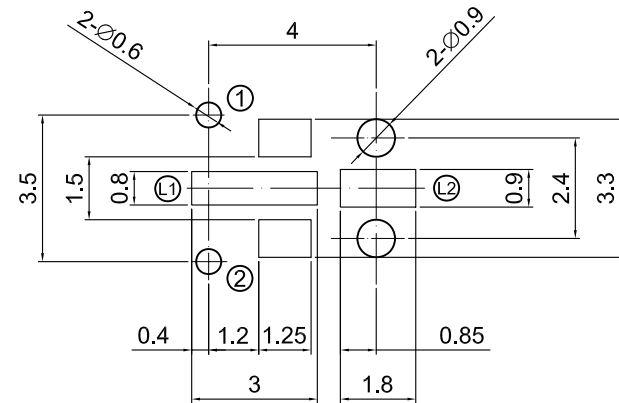


CIRCUIT DIAGRAM



(ULTRA BLUE)

P.C.B. LAYOUT



△				DATE	2010/10/18	UNIT	mm	MODE	TACT SWITCH
△				APPROVAL	KAVEN	SCALE	1 : 1	PART	TC017L-N11BBWTUBXX
△				CONFIRM	ALAN	VIEW	⊕ ⊖	2D FILE NAME	TC017L-N11BBWTUBXX
	DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	DQ	VER.	01	3D FILE NAME