

» Features

- Snap-in type, can be mounted directly on P.C.B board.
- Several LED colors options.
- Adequate for DIP & SMT.
- Several LED colors or bi-color or RGB color options.
- Customized cap and legends are available.

» Applications

- Operating switches in all types of electronic equipment such as audio apparatus, office equipment, communications apparatus, TV sets, VCRs, etc.



» Specifications

Rating	50mA 12VDC
Insulation Resistance	100MΩ Min (at 500 VDC)
Dielectric Strength	AC 250V (50/60 Hz for 1 minute)
Contact Resistance	100mΩ Max. (Initial)
Electrically Life	300,000 Cycles Min
Ambient Temperature	-25°C~ +70°C
Operating Force	160 ± 50gf

» LED Specifications

Color	VR	IF	Recommended Operating Current	VF	
				Nor	Max
Red	DC 5V	20mA	20mA	1.7V	2.4V
Green	DC 5V	20mA	20mA	1.9V	2.4V
Yellow	DC 5V	20mA	20mA	1.9V	2.4V
Blue	DC 5V	20mA	20mA	3.0V	3.6V
White	DC 5V	20mA	20mA	3.0V	3.6V

For the specification about the other LEDs, please contact with sales department

» Product selection

PB 615				-			-		
BUTTON TYPE		BUTTON TYPE		FUNCTION		LED BRIGHTNESS		LASER ETCHING	
31		1		-	Standard Type (2P)	-	Standard	01	
32				H	Standard Type (4P)	C	High Brightness	02	
33		2		M	SMT Type ML (2P)			03	OK
34				HM	SMT Type HML (4P)			04	
35		6		R	Right Angle			05	
36				RS	Right Angle (+Fix)			06	
301					LED			07	
302				L	Standard Type (2P)			08	
303				HL	Standard Type (4P)			09	
304				ML	SMT Type (2P)			10	
305				HML	SMT Type (4P)				
307				RL	Right Angle				
				RSL	Right Angle (+Fix)				

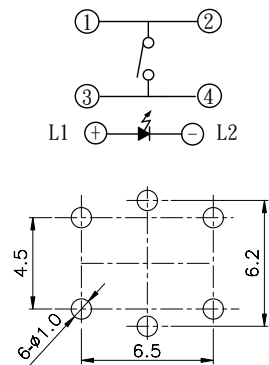
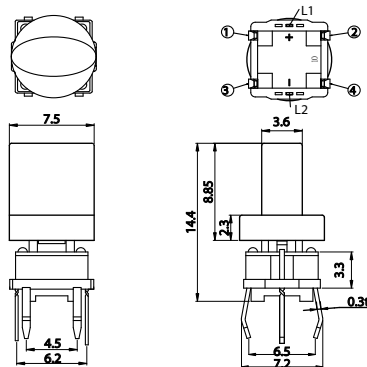
» Operating characteristics

Unit: mm

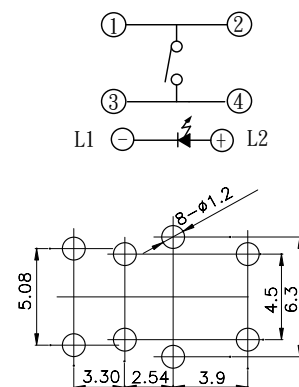
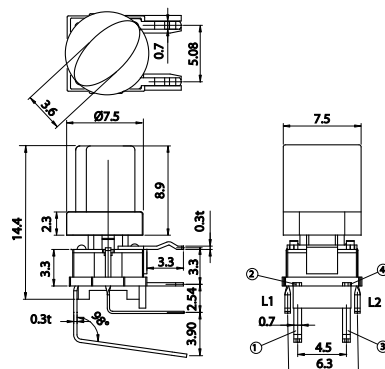
Dimensions

P.C.B Layout

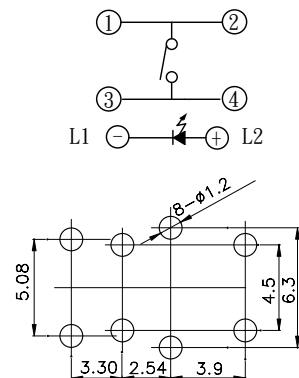
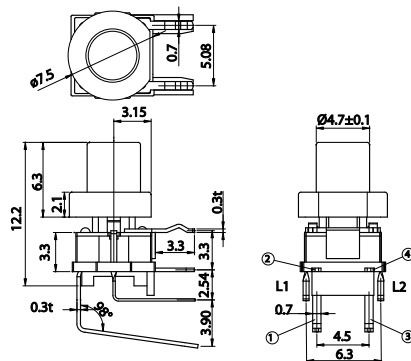
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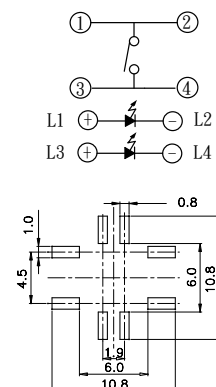
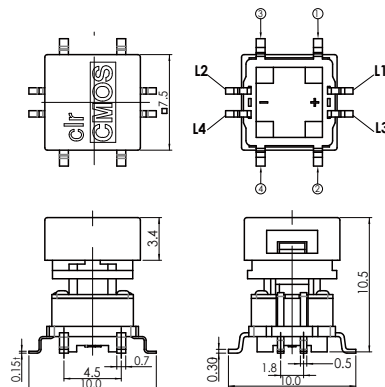
PB6152RSL



PB6156RSL-□-102



PB61531HML-□



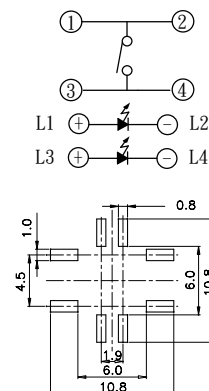
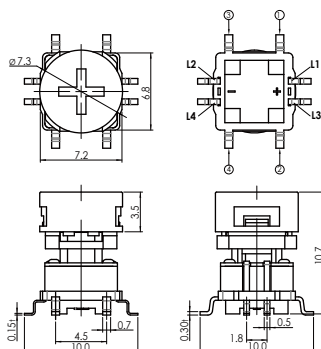
» Operating characteristics

Unit: mm

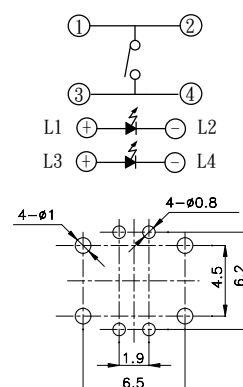
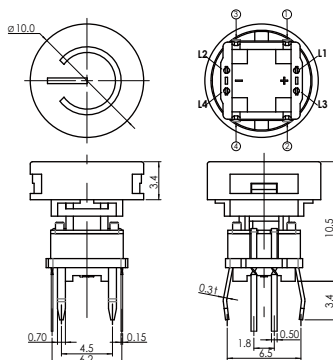
Dimensions

P.C.B Layout

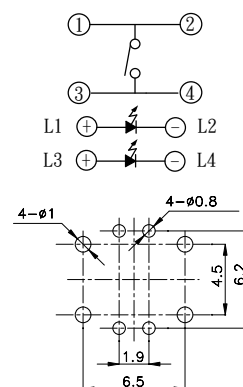
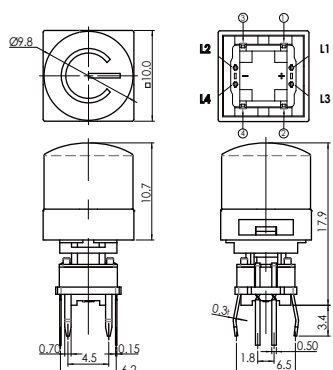
PB61532HML- □



PB61534HL- □

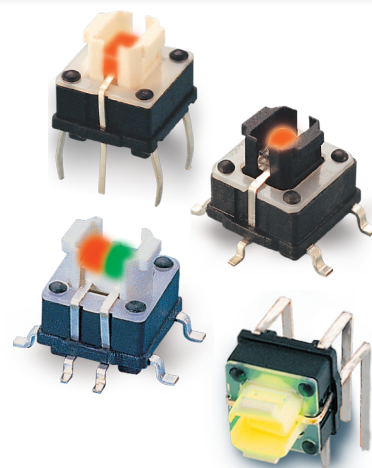


PB615302HL- □



» Features

- Snap-in type, can be mounted directly on P.C.B Board.
- Parts of output terminals can be used as jumper lead, facilitating circuit design.
- Many LED lights are available.



» Applications

- Operating switches in all types of electronic equipment such as audio apparatus, office equipment, communications apparatus, TV sets, VCRs, etc.

» Specifications

Rating	50mA 12VDC
Insulation Resistance	100MΩ Min (at 500 VDC)
Dielectric Strength	AC 250V (50/60 Hz for 1 minute)
Contact Resistance	100mΩ Max. (Initial)
Electrically Life	300,000 Cycles Min
Ambient Temperature	-25°C~ +70°C
Operating Force	160 ± 50gf

» LED Specifications

Color	VR	IF	Recommended Operating Current	VF	
				Nom	Max
Red	DC 5V	20mA	20mA	1.7V	2.4V
Green	DC 5V	20mA	20mA	1.9V	2.4V
Yellow	DC 5V	20mA	20mA	1.9V	2.4V
Blue	DC 5V	20mA	20mA	3.0V	3.6V
White	DC 5V	20mA	20mA	3.0V	3.6V

For the specification about the other LEDs, please contact with sales department

» Product selection

TP 6151



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FUNCTION	
Non-LED	
-	Standard Type (2P)
H	Standard Type (4P)
M	SMT Type (2P)
HM	SMT Type (4P)
R	Right Angle
RS	Right Angle (+Fix)
TRF	Trfl Right Angle (+Fix)
LED	
L	Standard Type (2P)
HL	Standard Type (4P)
ML	SMT Type (2P)
HML	SMT Type (4P)
RL	Right Angle
RSL	Right Angle (+Fix)
TRFL	Trfl Right Angle (+Fix)

LED COLOR	
1	Red
2	Yellow
3	Green
4	Blue
5	White
6	Pure Green
8	Amber
9	Blue Green
10	Pink
011	Purple
12	Red/Yellow
13	Red/Green
14	Red/Blue
23	Yellow/Green
48	Blue/Amber
52	White/Yellow
58	White/Amber
-	Non-LED

LED BRIGHTNESS	
-	Standard
C	High Brightness

TP 6151 SERIES TACT SWITCHES

ILLUMINATED

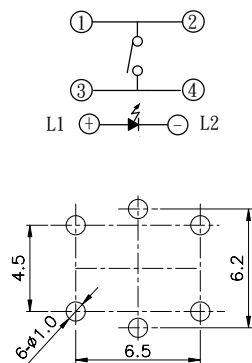
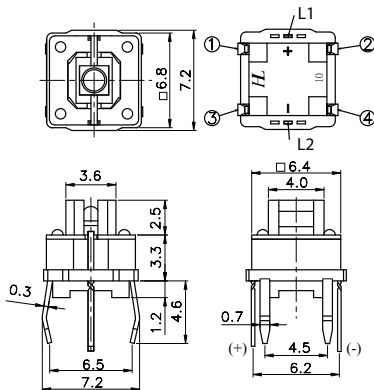
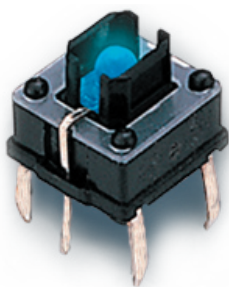
» Operating characteristics

Unit: mm

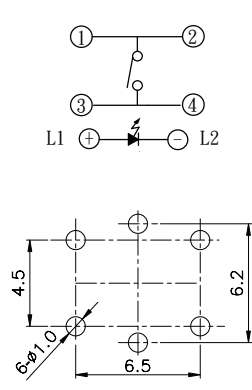
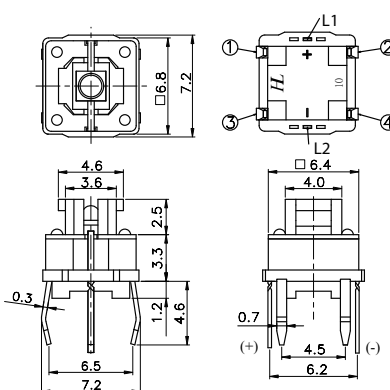
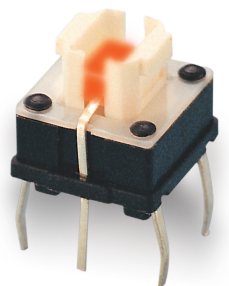
Dimensions

P.C.B Layout

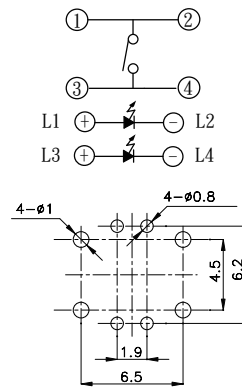
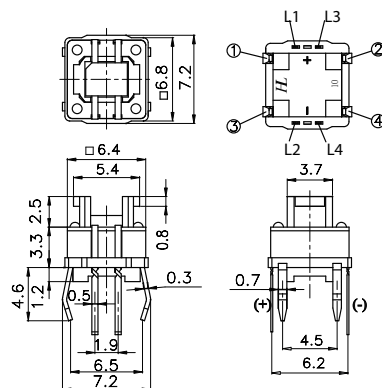
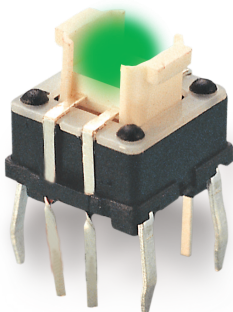
TP615L



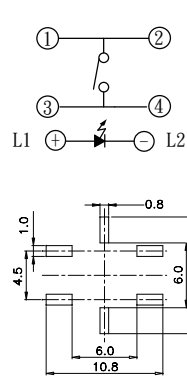
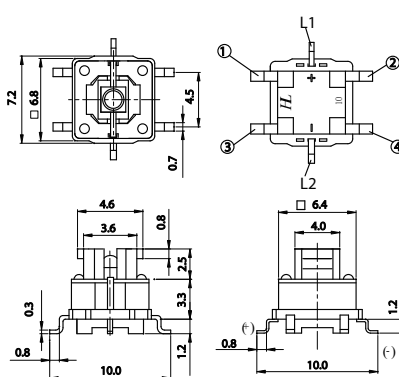
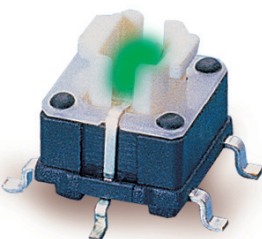
TP6151L



TP6151HL



TP6151ML



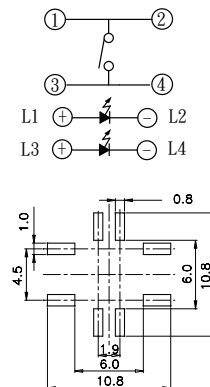
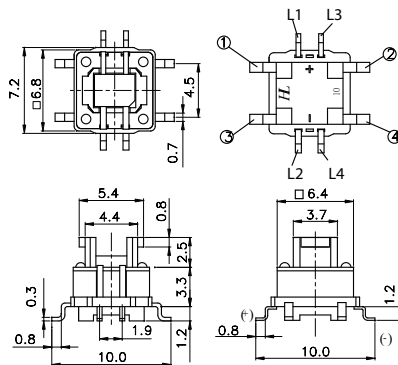
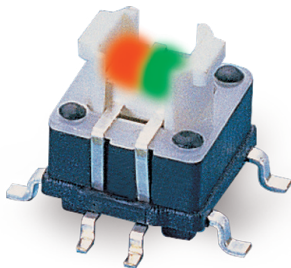
» Operating characteristics

Unit: mm

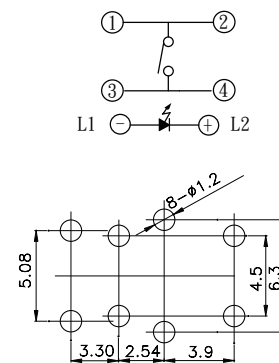
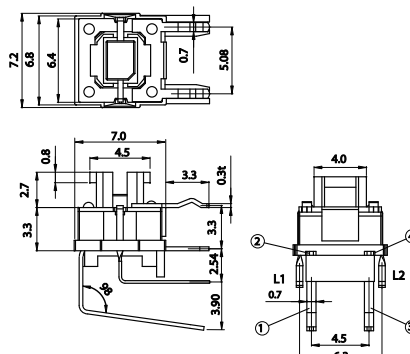
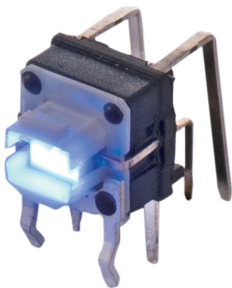
Dimensions

P.C.B Layout

TP6151HML



TP6151RSL



TP615TRFL

