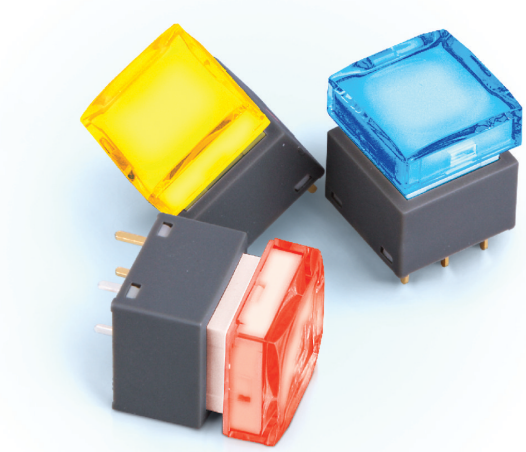
Series PLBx

LED Illuminated pushbutton micro-switch

KEY FEATURES

- Small size
- Momentary and alternate action
- RGB color option
- Long life cycle
- Laser marking service



MAIN APPLICATIONS

Studio equipment.
Audio/Video products,
Broadcast system,
Instrumentation,.
Telecommunications …etc.

GENERAL SPECIFICATIONS

Function:Momentary or Alternate
Contact Rating: Gold, 0.4A Max. @ 28V (AC or DC)
Silver, 0.5A @ 25V DC; 0.2A @ 250V AC
Contact Resistance: 50mΩ silver, 100mΩ gold (initial max)
Insulation Resistance: 100MΩ @ 500V DC
Dielectric Strength:Breakdown is not allowable; 500V AC for 1 minute
Actuation Force: 200 ± 100 gf SPDT
300 ± 150 gf DPDT
Total Travel:2.2mm ± 0.2mm
Life Expectancy (Mechanical): 1,000,000 cycles
Life Expectancy (Electrical): 200,000 cycles silver
200,000 cycles gold
Operating Temperature: −20° C to 70° C

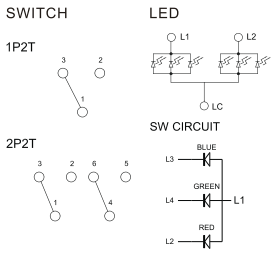
MATERIALS

Cover: Polycarbonate(PC)
Actuator:Polyoxymethylen(POM)
Base Frame:Polyamide(PA)+GF
Terminal:Brass with gold plating

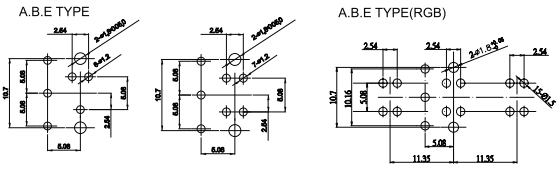
LED SPECIFICATIONS

Color	V		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

CIRCUIT



PCB LAYOUT



HOW TO ORDER

SERIES	OPERATION	POLE	TERMINAL	LED COLOR	LED COLOR	FRAME TYPE	CAP COLOR	DIFFUSER COLOR	CAP SYMBOL
PLBx	N	1	P	R	N	A	T	W	P5
	N=NON-LOCK L=LOCK TYPE	1=1 POLE 2=2 POLE	P=P.C.B TYPE W=WIRE TYPE	B=BLUE G=GREEN R=RED Y=YELLOW F=FULL COLOR N=NONE	B=BLUE G=GREEN R=RED Y=YELLOW F=FULL COLOR N=NONE	A=A TYPE B=B TYPE C=C TYPE D=D TYPE E=E TYPE F=F TYPE	T=TRANSPARENT R=RED G=GREEN B=BLUE Y=YELLOW S=SILVER	W=WHITE R=RED G=GREEN B=BLUE Y=YELLOW	

CAP Symbol:Please refer to cap selection for all available symbols on cap surface,and any customization is welcomed

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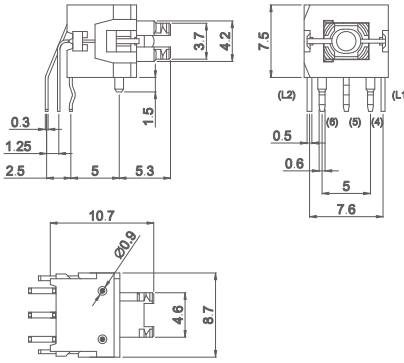
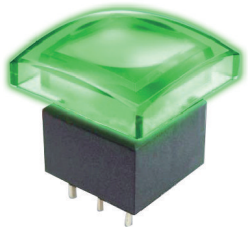
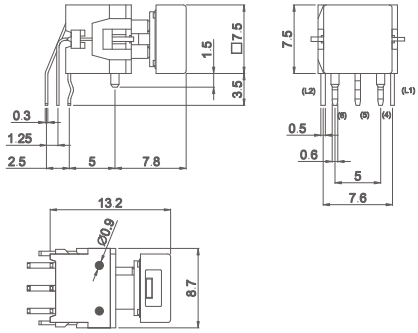
CONFIGURATION EXAMPLES

PLBx-N1PRN-ATW

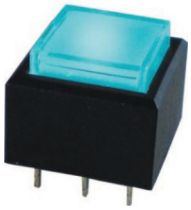


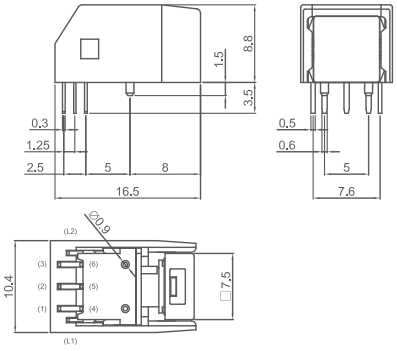
PLBx-N1PGN-ETW



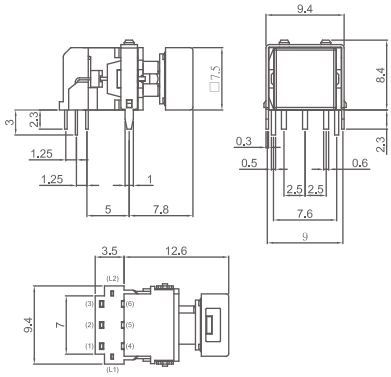


PLBx-N1PBN-BTW

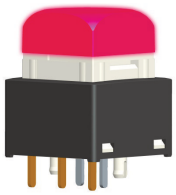


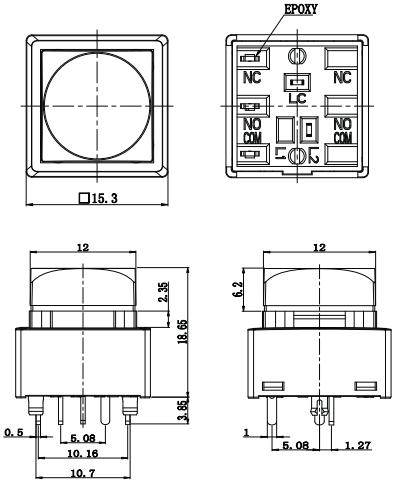


PLBx-N1PNN-ATW-PKT

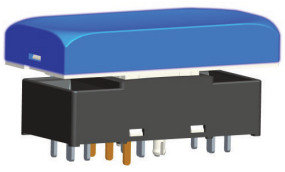


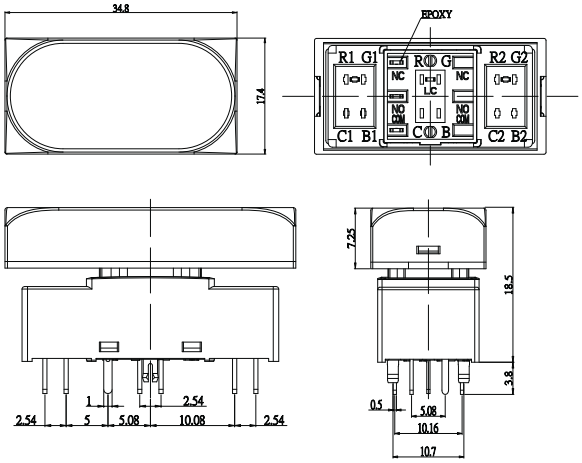
PLBx-N1PNR-FTW





PLBx-N1PNB-DTW





A B C D E F G H I J K L M N O P Q R S T
0 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
1 A B C D E F G H I J CH1 CH2 DSK PIP CHKEY CUT TAKE REC ENG PROD
2 K L M N O P Q R S T REPLAY RET1 RET2 KEY ON AUTO TAKE
3 U V W X Y Z POWER ON OFF ON OFF
4 OK OK Auto Enter Start STOP OPEN CLOSE Exit Move
5 SET Reset Light Alarm Menu Next Back Delete Motor Save
6 Up Down Right Left Test End Insert Lock Print +/- IN PORT SOS TC
7 ESC BC. HOME Health D-LED 2 OC GENIE VIDEO INPUT clr CMOS Green Power Save OK P1 P2 P3 P4 P5 A C TURBO
8 B/R + Uncio Cancel T/L - F1 F2 F3 F4 F5 F6 F7 SEEK TRACK RNA AS/RPT Select SET ON OFF OP
9 F8 F9 F10 F11 F12 F13 F14 IN 1 IN 2 IN 3 TEST AUTO STOP OPEN MENU ON AIR D. M.
10 IN 4 IN 5 IN 6 HDMI VGA
11 MON ITEM C/S GAS PUMP ON/OFF PURGE R/HR PARL IOD
12 FILL LO RANGE MID RANGE MID HI RANGE GPD EFF LEVEL

Mini Series