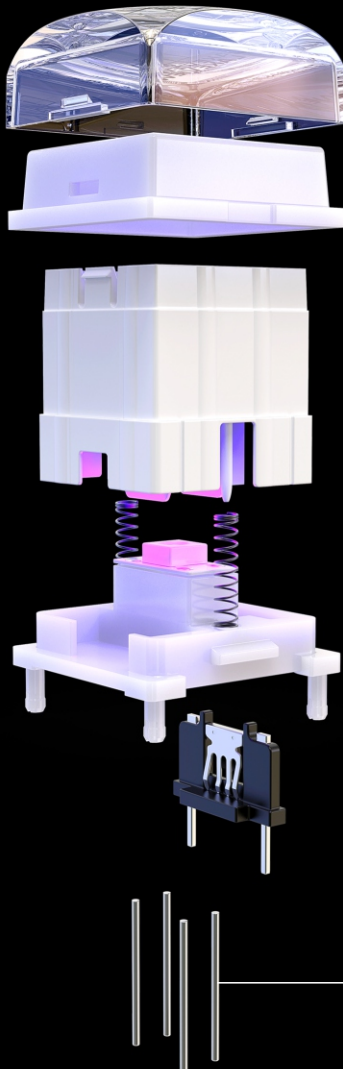


LAKEVIEW

PLC SERIES

FULL-COLOR RGB ILLUMINATED PUSH BUTTON SWITCHES
(SILENT OPERATION)



- Intelligent control LED integrated light source, with 16,777,216 types of color for your choice.
- One single signal line connects in series with 1024 button switches at max.
- Various of cap sizes available for your options, including 12/15/17mm.
- Available for custom characters on cap. (Film/Laser Etching)
- 2 million mechanical lifespan.
- Gold-plated contacts.

- 16 million types of color can be displayed through only 4 pins.

LAKEVIEW

PLC-N1NFN-ATW-AI

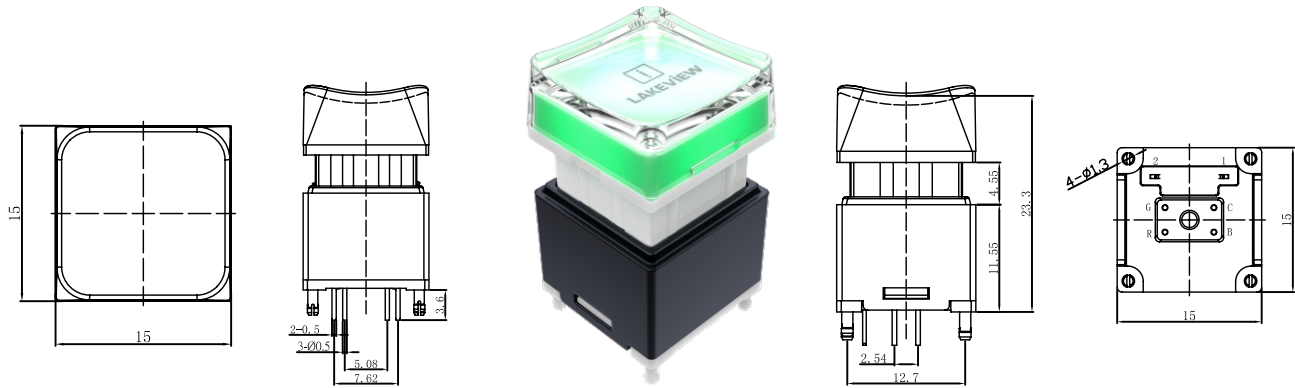


PLC-N1NFN-BTW-AI



LAKEVIEW

PLC-N1NFN-B3TW-AI



PLC-N1NFN-CTW-AI



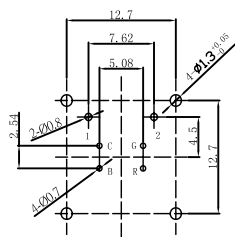
HOW TO ORDER

PLC	SERIES	N	OPERATION	1	POLE	N	ACTUATION TYPE	F	LED COLOR
		N = NON-LOCK		1 = 1 POLE		T = TACTILE TYPE N = NON TACTILE		R = RED G = GREEN B = BLUE Y = YELLOW O = ORANGE W = WHITE F = FULL COLOR F1 = FULL COLOR F2 = FULL COLOR N = NONE	
N	LED COLOR	A	CAP TYPE	T	CAP COLOR	W	PLATE COLOR	AI	OTHER
R = RED G = GREEN B = BLUE Y = YELLOW O = ORANGE W = WHITE F = FULL COLOR F1 = FULL COLOR N = NONE		A = 12.0mm sq A1 = 12.0mm sq B = 15.0mm sq B1 = 15.0mm sq B2 = 15.0mm sq B3 = 15.0mm sq C = 17.4mm sq C1 = 17.4mm sq C3 = 17.4mm sq D = 17.4mm × 34.8mm D1 = 17.4mm × 34.8mm D3 = 18.4mm × 28.0mm RA = Ø 16.0mm		T = TRANSPARENT R = RED G = GREEN B = BLUE Y = YELLOW O = ORANGE KT = BLACK TRANSPARENT N = NONE		R = RED G = GREEN B = BLUE Y = YELLOW O = ORANGE W = WHITE N = NONE		A = 2.5mm B = 2.5mm HIGH AI = SW + IC CI = SW + IC CAP = SYMBOL	

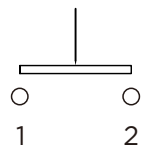
LED SPECIFICATIONS

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

For specifications about other LED colors, please contact with sales department.



P.C.B. LAYOUT



SW CIRCUIT

PIN TYPE

1	SW Terminal 1
2	SW Terminal 2
VDD	V _{DD} [Power]
DIN	DI [Data In]
DOUT	DO [Data out]
GND	GND [Ground]

GENERAL SPECIFICATIONS

- Function: For Momentary Type, SPST
- Contact Rating: 100mA 12V DC
- Contact Resistance: 200mΩ Max
- Insulation Resistance: 100MΩ. 500V DC
- Dielectric Strength: Breakdown is not Allowable; 500V AC for 1 minute
- Actuation Force: 250 ± 100gf / 180 ± 80gf (Custom Actuation Force Available)
- Total Travel: 4.5mm±0.2mm
- Operating Life: 2,000,000 cycles
- Operation Temperature: -20°C ~ 70°C

MATERIAL

Cover: Polycarbonate(PC)
Actuator: Polyoxymethylene(POM)
Base frame: Polyamide(PA)+GF
Terminal: Brass with Gold Plating
Moving Contact: Phosphor Bronze with Gold Plating