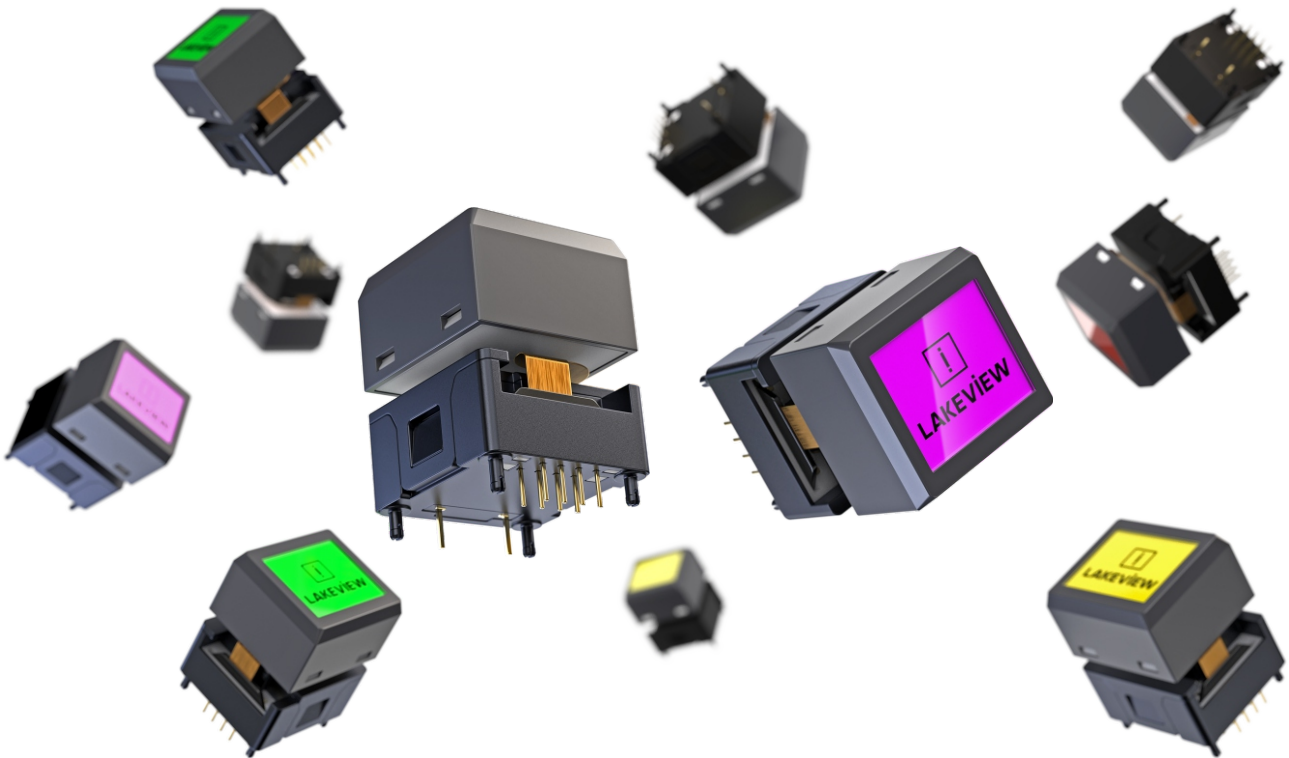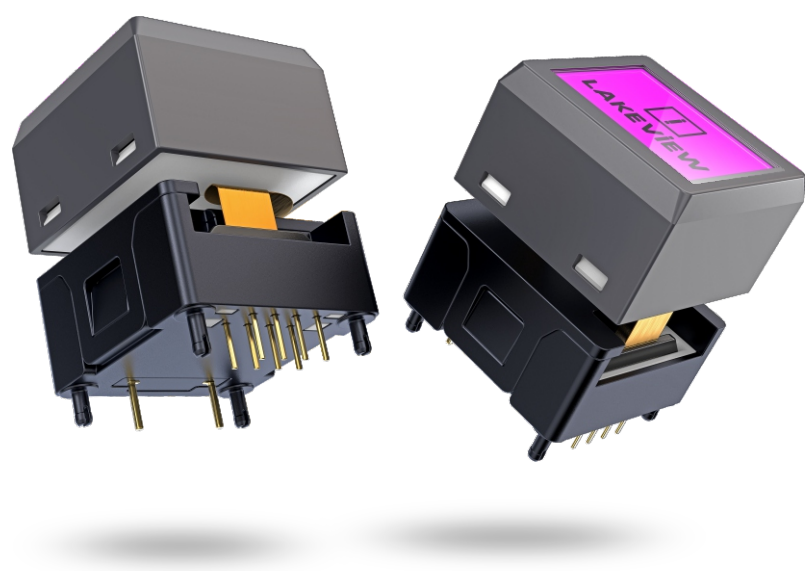# DSP SERIES

LCD 64 x 32 BUTTON SWITCHES
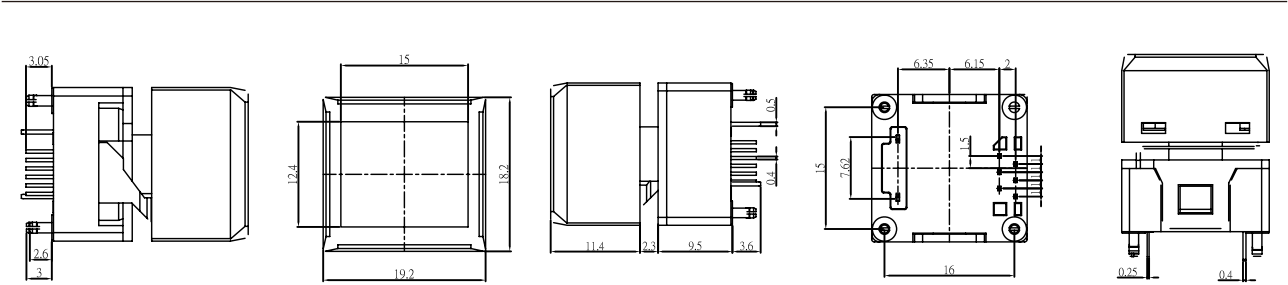

- **High–brightness adjustable RGB backlight, suitable for various usage environments.**

- **64x32 pixels LCD screen, capable of displaying characters and patterns clearly.**

- **2 million mechanical lifespan, gold–plated contacts for improved durability and efficiency.**

- **9M bandwidth for higher transmission efficiency.**
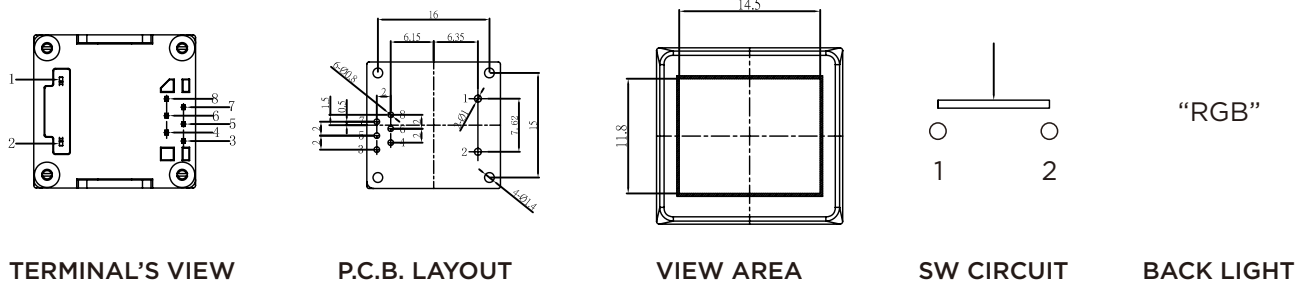

- **Optional gold-plated base for soldering.**

HOW TO ORDER

DSP SERIES

N OPERATION

N = NON-LOCK

1 POLE

1 = 1 POLE

T ACTUATION TYPE

T = TACTILE TYPE
N = NON TACTILE
X = NON OPERATION

F BACK LIGHT

R = RED
G = GREEN
B = BLUE
Y = YELLOW
W = WHITE
F = FULL COLOR
N = NONE

D DISPLAY

D = DISPLAY [LCD]
L = DISPLAY [LED]
O = DISPLAY [OLED]
N = NONE

A CAP TYPE

A = A TYPE
B = B TYPE
C = C TYPE
D = D TYPE

T CAP COLOR

T = TRANSPARENT
R = RED
G = GREEN
B = BLUE
Y = YELLOW
O = ORANGE
KT = BLACK TRANSPARENT
N = NONE

N PLATE COLOR

R = RED
G = GREEN
B = BLUE
Y = YELLOW
O = ORANGE
W = WHITE
N = NONE [LCD TYPE]
F = FILM PLATE

| TERMINAL'S VIEW | P.C.B. LAYOUT | VIEW AREA | SW CIRCUIT | BACK LIGHT |

TERMINAL'S CONFIGURATION

PIN 1   SWITCH Terminal
PIN 2   SWITCH Terminal
PIN 3   GND [Ground]
PIN 4 V_{DD} [Power]
PIN 5   SDO [Data Out]
PIN 6   SDI [Data In]
PIN 7   SCK [Serial Clock]
PIN 8 $\overline{SS}$ [Slave Select]

GENERAL SPECIFICATIONS

- Switch(1->2) Rating: 12 V Dc. 0.1A.
- Poles:SPST-NO
- Supply Voltage:3.3V
- Contact Resistance: 200 Ω Max (Initial)
- Insulation Resistance: 100 Ω Min (DC 250v).
- Withstand Voltage: AC 125 V / 1 Minute.
- Operating Temperature: -25℃ ~70℃
- Operating Force:180±50 gf.
- Full Travel: 1.8 ± 0.3 mm.
- Life Cycle: 2,000,000 Cycles.
- Mounting Type: Through Hole
- Termination Style: Straight PC Terminals

MATERIAL

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