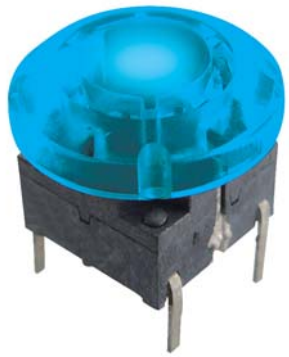

Feature -

water proof IP67 sealed
medium size,
bi-color LED illuminated available
long electrical life cycles
SMT and vertical PCB terminal

Application -

consumer products
computer products
instrumentation
communication equipments

▶ SPECIFICATIONS

SWITCH SPECIFICATIONS	
POLE - POSITION	1P1T , with LED
CONTACT RATING	24 V DC , 50 mA
CONTACT RESISTANCE	50 mΩ MAX. 1.5 V DC ; 100 mA , by Method of Voltage DROP
INSULATION RESISTANCE	100 MΩ MIN. 500 V DC
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 500 V AC for 1 Minute
OPERATING FORCE	300 ± 100 gf
OPERATING LIFE	1,500,000 cycles
OPERATING TEMPERATURE RANGE	-30°C ~ 85°C
TOTAL TRAVEL	1.0 ± 0.3 mm
SEALING	IP67

LED SPECIFICATIONS							
ATTENTION (+) (-) LEDs are Electrostatic Sensitive devices		Unit	Value / LED Color				
			Blue	Green	Red	White	Yellow
FORWARD CURRENT	If	mA	30	30	15	30	20
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	10	10	10	10
FORWARD VOLTAGE@20mA	Vf	V	3.5-4.0	1.7-2.8	1.7-2.8	3.3-3.8	1.7-2.8
LUMINOUS INTENSITY@10mA	Iv	mcd	@20mA 180-245	24-40	4.0-7.0	@20mA 145	18-30

■ Physical and electrical information of LED will be provided upon customer's request on switches .

▶ HOW TO ORDER

TC018	–	N	1	1	B	R	W		U	B	X	X

POLE

1	1 POLE (std.)

TERMINAL

A	P.C.B TYPE (std.)
B	SMT TYPE

CAP COLOR

T	TRANSPARENT
W	WHITE
S	SILVER
K	BLACK
X	WITHOUT

LED BRIGHTNESS

U	ULTRA (std.)
R	REGULAR
X	WITHOUT

LED BRIGHTNESS

U	ULTRA (std.)
R	REGULAR
X	WITHOUT

OPERATION

N	NON-LOCK (std.)

POSITION

1	1 POSITION (std.)

CAP TYPE

R	ROUND
R1	ROUND
R1A	ROUND
R2	CURVED
R3	ROUND
S	SQUARE
S1	SQUARE
X	WITHOUT

CAP SYMBOL

Please refer to appendix 1(knob)

For example

K3		PK3:Printing
		K3:Laser carving
E1	OK	PE1:Printing
		E1:Laser carving
□		WITHOUT

LED COLOR

B	BLUE
G	GREEN
R	RED
W	WHITE
Y	YELLOW
X	WITHOUT

LED COLOR

B	BLUE
G	GREEN
R	RED
W	WHITE
Y	YELLOW
X	WITHOUT

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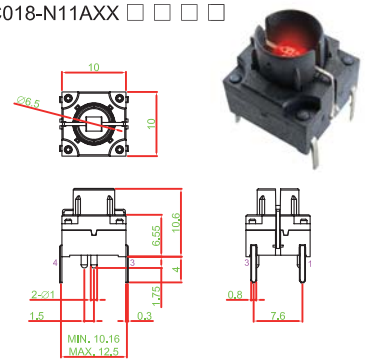
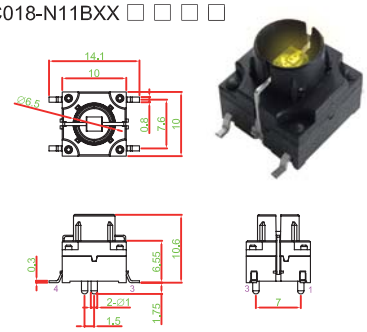
FRAME TYPE OPTION

TC018-N11AXX □ □ □ □

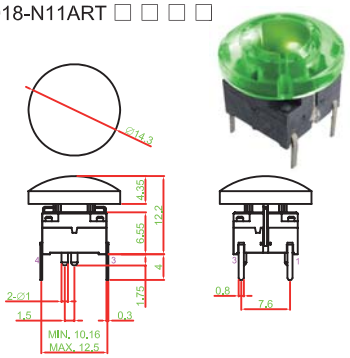


TC018-N11BXX □ □ □ □

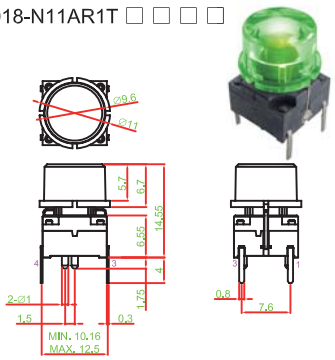


CAP TYPE

TC018-N11ART □ □ □ □



TC018-N11AR1T □ □ □ □



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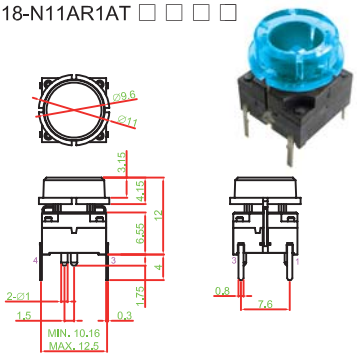
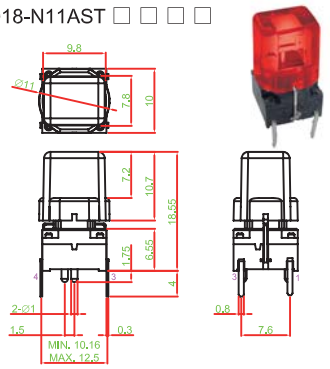
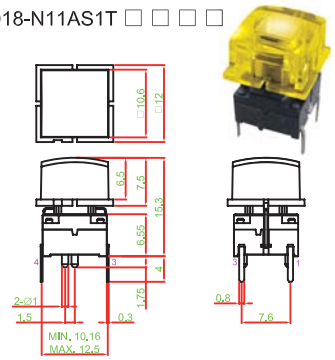


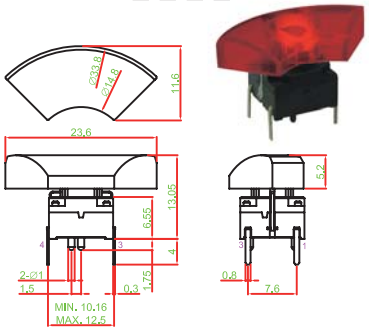
TC018-N11AST □ □ □ □



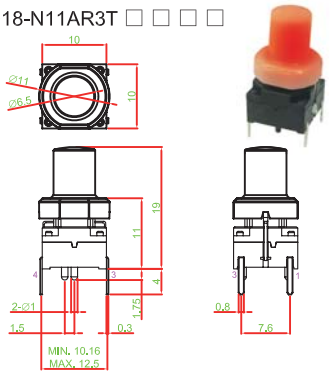
TC018-N11AS1T □ □ □ □



TC018-N11AR2T □ □ □ □

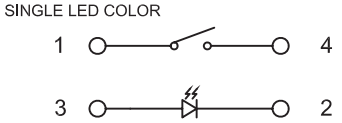


TC018-N11AR3T □ □ □ □

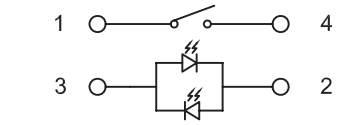


CIRCUIT

SINGLE LED COLOR

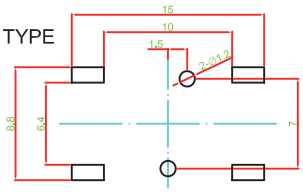


DUAL LED COLOR

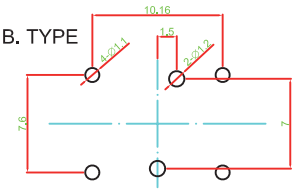


P.C.B LAYOUT

SMT TYPE



P.C.B. TYPE



MATERIAL

- ACTUATOR - PA
- TERMINAL - BRASS SILVER PLATING
- FRAME - PA
- SPRING - STAINLESS STEEL

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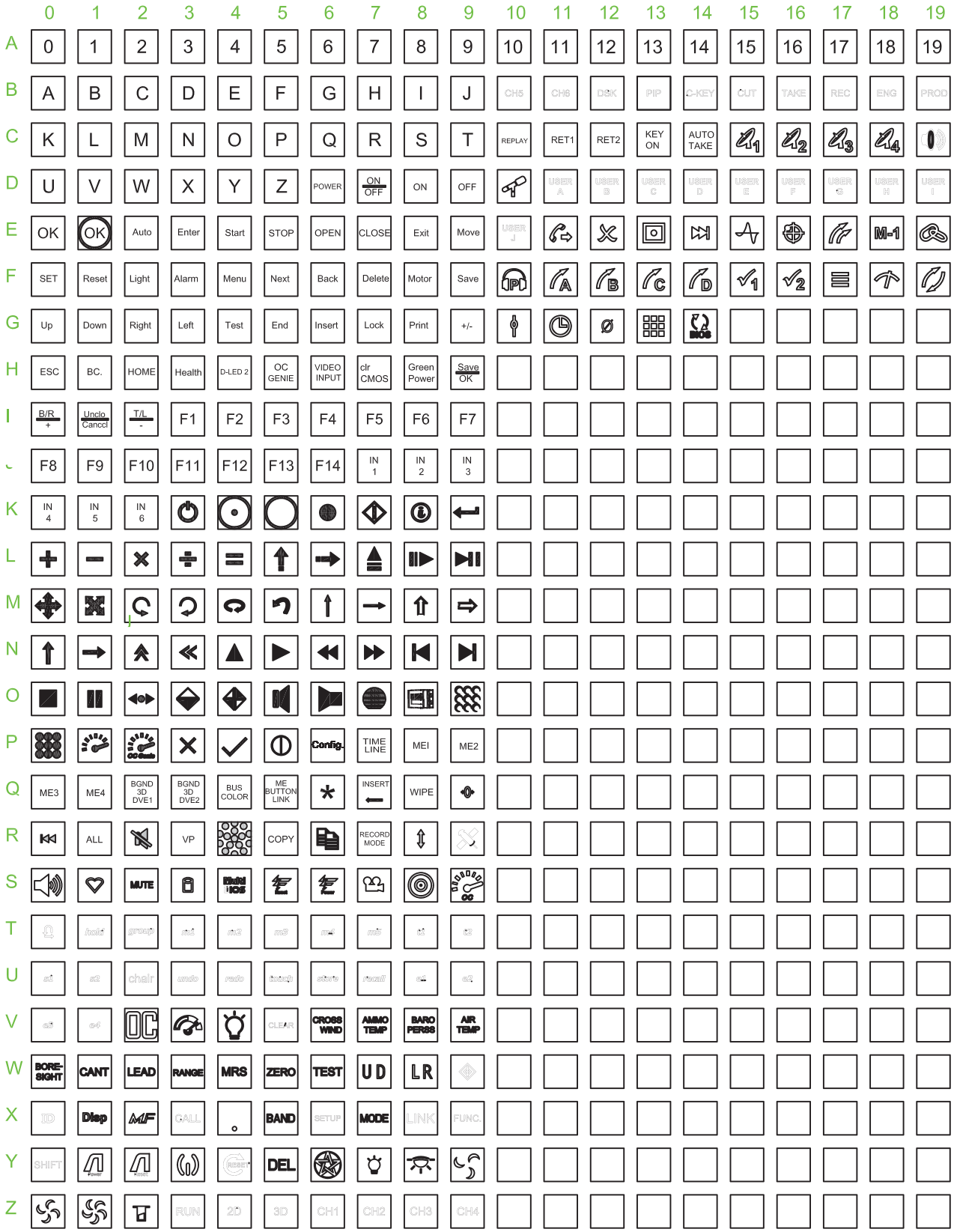
WB®

CAP SYMBOL



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