

48- X - XX - X - X - X - X

SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION
E	MOMENTARY SOLDER TERMINAL
F	MAINTAINE SOLDER TERMINAL
G	MOMENTARY P.C. TERMINAL
H	MAINTAINE P.C. TERMINAL

BEZEL CODE	BEZEL DESCRIPTION
RB	ROUND, BLACK
SB	SQUARE, BLACK (ONLY FOR BUSHING MOUNTING)

ILLUMINATION CODE	LED COLOR DESCRIPTION
R	RED
A	AMBER
Y	YELLOW
G	GREEN
B	BLUE
W	WHITE
RG	RED/BLUE
RB	RED/GREEN

BUTTON CODE	BUTTON COLOR DESCRIPTION
BK	BLACK
RD	RED
GR	GREEN
BL	BLUE
YL	YELLOW
OR	ORANGE
WH	WHITE
PK	POWER/STANDBY BLACK (ONLY FOR ROUND BEZEL & BUSHING MOUNT)

MOUNTING CODE	MOUNTING STYLE DESCRIPTION
B	BUSHING
F	SNAP FIT (ONLY FOR ROUND BEZEL)

LED VOLTAGE CODE	LED VOLTAGE DESCRIPTION
IF BLANK	SEE LED SPEC.
05	5V (SEE NOTE3)

MECHANICAL CHARACTERISTICS:

SWITCH CIRCUITRY: SPST-NO-DB
SWITCH ACTION: MOMENTARY AND MAINTAINED (PER CHART)
BUTTON TRAVEL: 2.3mm NOMINAL
OPERATING FORCE: 3N [306g] NOMINAL
PANEL THICKNESS:
BUSHING MOUNT: 0.5 - 3.0mm
SNAP MOUNT: 1mm/2mm/3mm ± 0.05
CONTACTS: GOLD PLATED
NUT TORQUE FORCE: MAX 6 kgf-cm[5.2 LB-in]

ENVIRONMENTAL SPECIFICATIONS:

ACTUATOR INGRESS PROTECTION: IP67

LIFE(MECHANICAL):

MOMENTRAY: 1,000K CYCLES
MAINTAINED : 50K CYCLES

OPERATING TEMPERATURE:

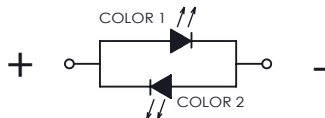
MOMENTARY: -40 °C to +85 °C
MAINTAINED: -40 °C to +65 °C

ELECTRICAL SPECIFICATIONS:

CURRENT RATINGS:

MOMENTRAY: 10mA@12VAC, 1,000K CYCLES NOMINAL
MAINTAINED : 50K CYCLES NOMINAL

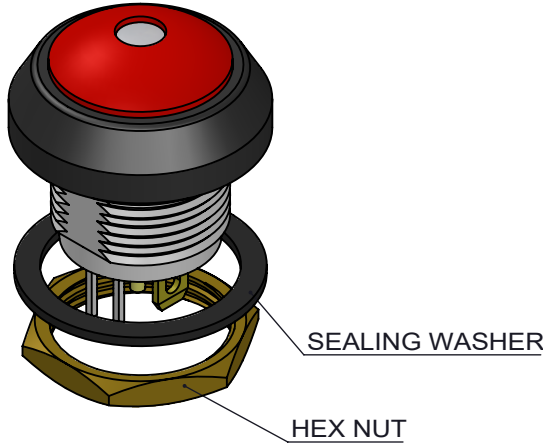
DIELECTRIC STRENGTH: 1,000VAC
INSULATION RESISTANCE: 1G OHM
CONTACT RESISTANCE:
50m OHMS MAX INITIAL

LED SPECIFICATION					
LED CODE	LED SINGLE COLOR		Vf(VDC)	If (mA)	
			TYP.		
R	RED		2.0	20	
A	AMBER		2.0	20	
Y	YELLOW		2.0	20	
G	GREEN		3.0	20	
B	BLUE		3.1	20	
W	WHITE		3.3	20	
LED CODE	BICOLOR LED		Vf(VDC)	If (mA)	CIRCUITRY
	COLOR1	COLOR2	TYP.		
RB	RED	BLUE	2.0(RED) 3.3(BLUE)	20	
RG	RED	GREEN	2.0(RED) 3.4(GREEN)	20	

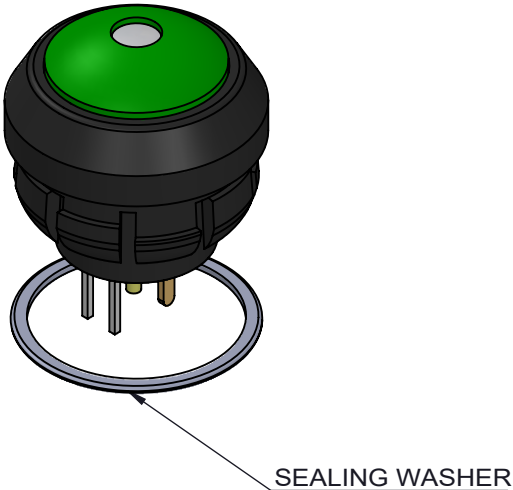
NOTE:
Hand Soldering Temperature (4mm above from Body) : 320°C for 3 seconds

NOTE

- 1.CURRENT LIMITING RESISTOR IS REQUIRED
TO LIMIT LED FORWARD CURRENT TO 20mA
2. SUPPLY HEX NUT AND SEALING WASHER BULK PACKED.
- 3.INNER RESISTOR ONLY FOR LED :RED / BLUE / GREEN / WHITE.



BUSHING TYPE



SNAP FIT TYPE

DWG TYPE SALES DRAWING	DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5		DWG TITLE 48-MECHANICAL MOMENTARY/MAINTAINED, CENTER SPOT/POWER-STANDBY ILLUMINATION					
STATUS RELEASE	REVIEW	X.XX ± 0.25 ANGULAR ± 5°		DWG NO. 48-E,F,G,H					
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	DATE 2010/3/11	REF: ---							

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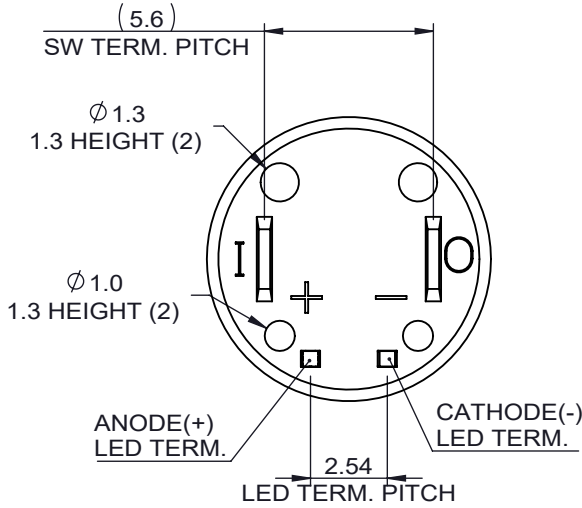
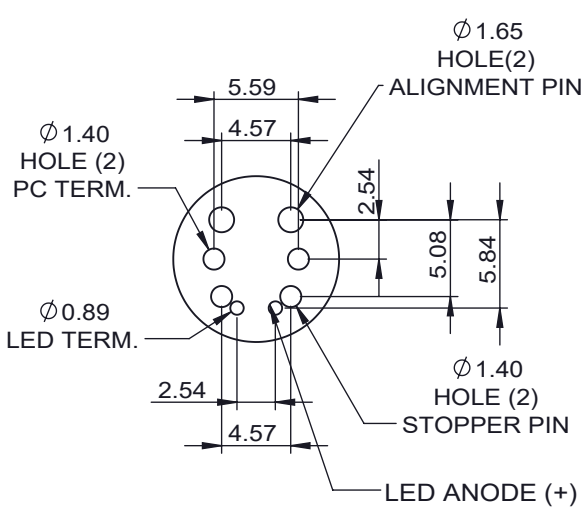
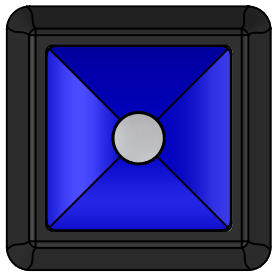
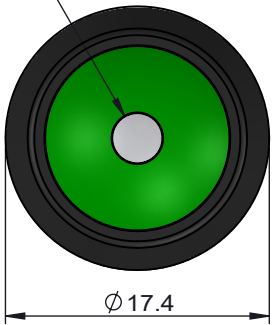
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ROUND BEZEL

**SQUARE BEZEL
(ONLY FOR BUSHING MONTING)**

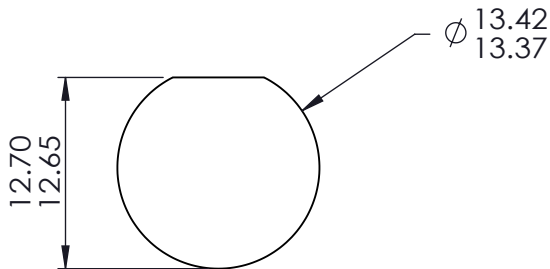
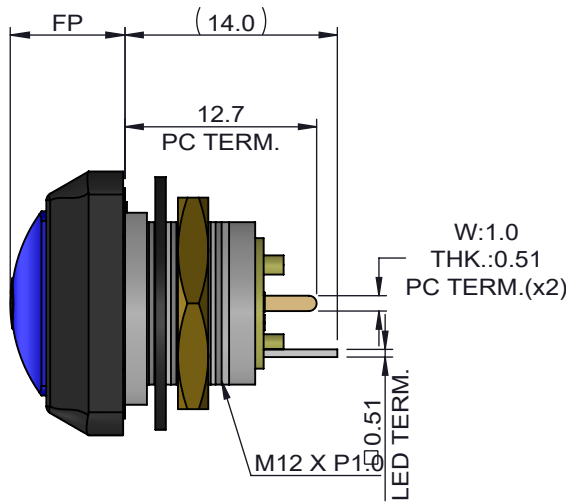
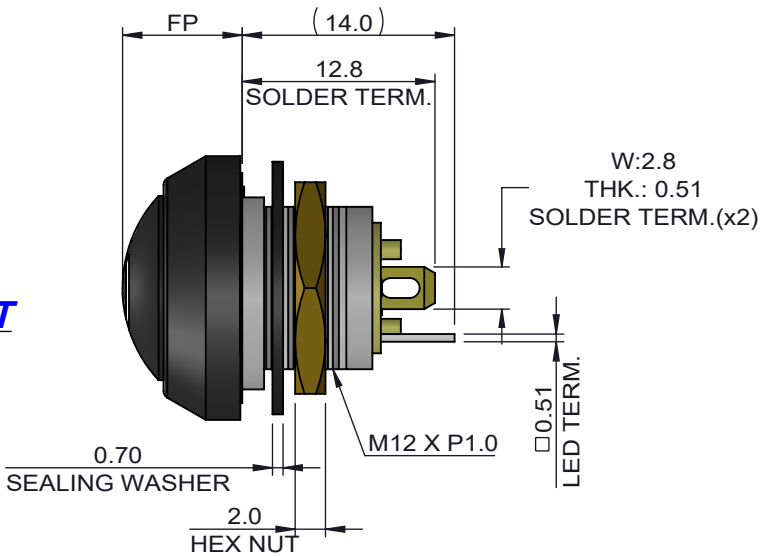
Ø3.3
LIGHT PIPE
LIGHTED SWITCH ONLY



**RECOMMENDED P.C. BOARD HOLE PATTERN
(FOR PC TERMINAL)
COMPONENT SIDE**

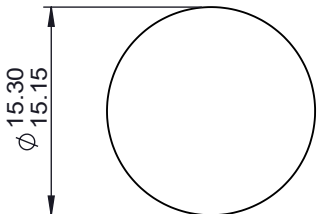
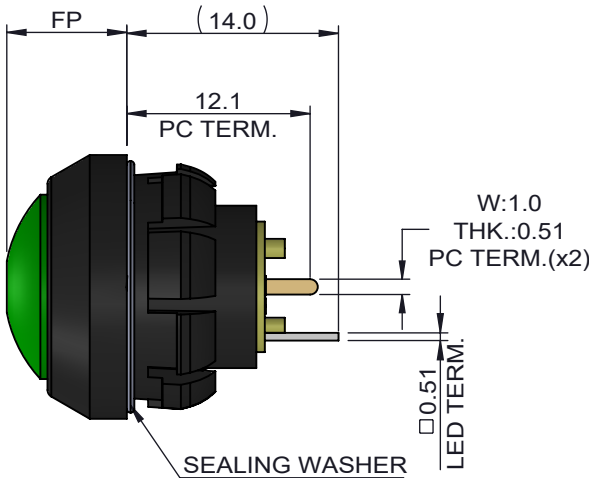
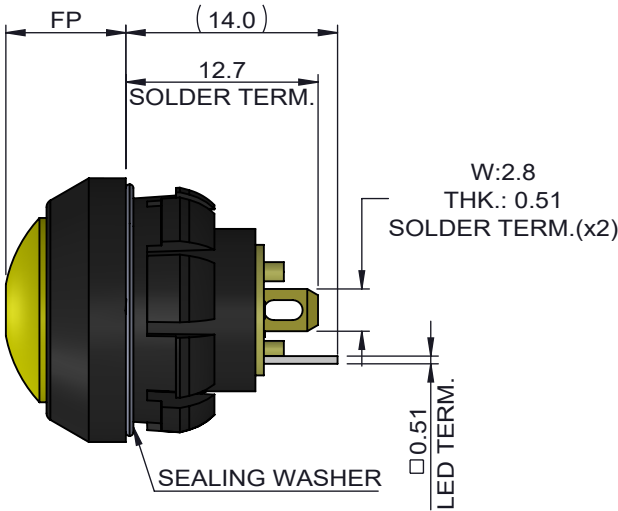
**DETAIL OF TERMINAL POSITION
SCALE 4:1**

BUSHING MOUNT



**REFERENCE
PANEL CUT-OUT
PANEL THICKNESS: 0.5-3mm**

SNAP FIT MOUNT



**RECOMMENDED
PANEL CUT-OUT
PANEL THICKNESS: 1.0mm , 2.0mm , 3.0mm+0.5**

SWITCH ACTION	BUTTON TYPE	FP(mm)
MOMENTARY	ILLUMINATION LIGHT PIPE BUTTON	7.6±0.5
MAINTAINED	ILLUMINATION LIGHT PIPE BUTTON	6.0±0.5

DWG TYPE SALES DRAWING	DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.25 ANGULAR ± 5°	DWG TITLE 48-MECHANICAL MOMENTARY/MAINTAINED, CENTER SPOT/POWER-STANDBY ILLUMINATION						
STATUS RELEASE	REVIEW		DWG NO. 48-E,F,G,H						
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	DATE 2010/3/11	REF: ---	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE	REV 1	RoHS Compliant	SHEET 2 OF 3	