

W12M-



SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION
A	MOMENTARY, WIRELEADS
B	MAINTAIN, WIRELEADS
E	MOMENTARY, SOLDER TERMINAL
F	MAINTAIN, SOLDER TERMINAL
G	MOMENTARY, P.C. TERMINAL
H	MAINTAIN, P.C. TERMINAL

HOUSING MATERIAL CODE	HOUSING DESCRIPTION
1	STAINLESS STEEL, NATURAL
2	ZINC ALLOY, VELOUR CHROME PLATED
K	ALUMINUM ANODIZED BLACK
R	ALUMINUM ANODIZED RED
S	ALUMINUM, ANODIZED SILVER

BUTTON TYPE CODE	BUTTON TYPE DESCRIPTION
1	STAINLESS STEEL, NATURAL
2	FLAT BUTTON, RING (ONLY FOR MOMENTARY)
H	RAISED BUTTON, RING

LED COLOR CODE	LED COLOR
N	NONE
R	RED
A	AMBER
Y	YELLOW
B	BLUE
G	GREEN
W	WHITE
RB	RED/BLUE
RG	RED/GREEN

NON-WIRELEADS	LED INLET VOLTAGE CODE	LED INLET VOLTAGE
	IF BLANK	FOLLOW LED SPECIFICATION
WIRELEADS	05	5V (SEE NOTE 4)
	05	5V (SEE NOTE 4)
WIRELEADS	12	12V
	24	24V

**MECHANICAL CHARACTERISTICS:**

SWITCH CIRCUITRY: SPST-NO-DB (CONTACT FORM X)  
 SWITCH ACTION: MOMENTARY/MAINTAINED (PER CHART)  
 BUTTON TRAVEL: 2.4mm [.094 INCH] NOMINAL  
 OPERATING FORCE: 2N [204g] NOMINAL  
 PANEL THICKNESS: 1.0 - 6.0mm [.039 - .236]  
 SWITCH CONTACTS: GOLD PLATED  
 NUT TORQUE FORCE: MAX 6 kgf-cm [5.2 LB-in]

**ENVIRONMENTAL SPECIFICATIONS:**

ACTUATOR INGRESS PROTECTION: IP67  
 OPERATING TEMPERATURE:  
 MOMENTARY: -40°C to +85°C [-40°F to +185°F]  
 MAINTAINED: -40°C to +65°C [-40°F to +149°F]

**ELECTRICAL LIFE:**

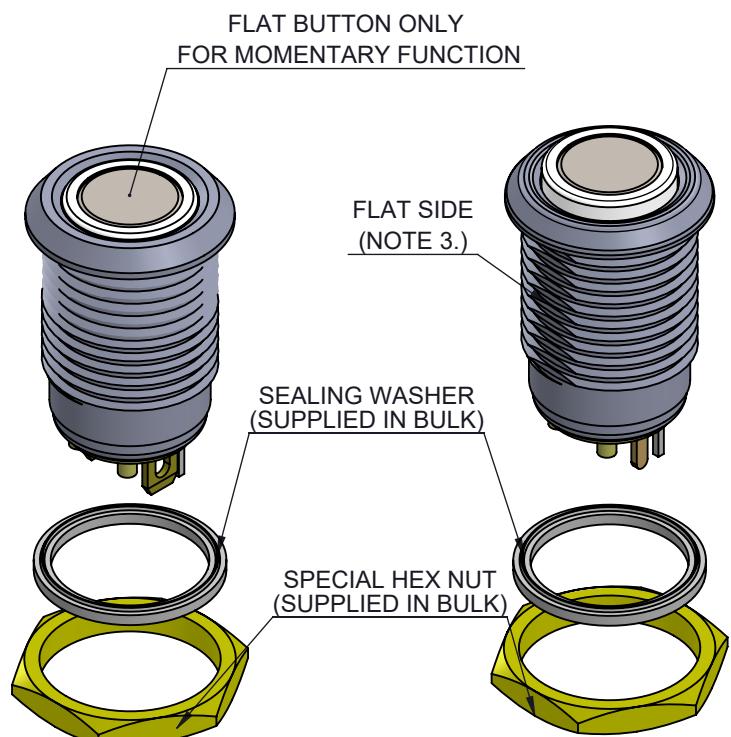
MOMENTARY: 10mA@12VDC, 1,000K CYCLES NOMINAL  
 MAINTAINED: 10mA@12VDC, 50K CYCLES NOMINAL

**ELECTRICAL SPECIFICATIONS:**

DIELECTRIC STRENGTH: 1,000VAC  
 INSULATION RESISTANCE: 1G OHM  
 CONTACT RESISTANCE:  
 50m/250m OHMS MAX INITIAL(NON-WIRELEADS/WIRELEADS)

**LED SPECIFICATIONS:**  
SEE LED SPECIFICATION**NOTE**

- CURRENT LIMITING RESISTOR IS REQUIRED TO LIMIT LED FORWARD CURRENT TO 20mA.
- SUPPLY HEX NUT AND SEALING WASHER ARE BULK PACKED.
- ONLY ZINC ALLOY HOUSING TYPE HAVE FLAT SIDE.
- INNER RESISTOR ONLY FOR LED: RED / BLUE / GREEN / WHITE

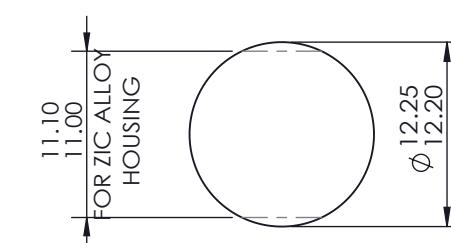
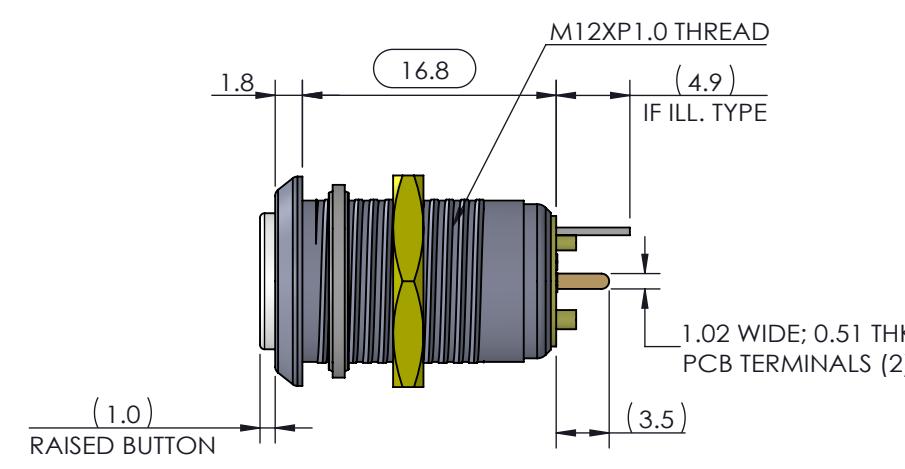
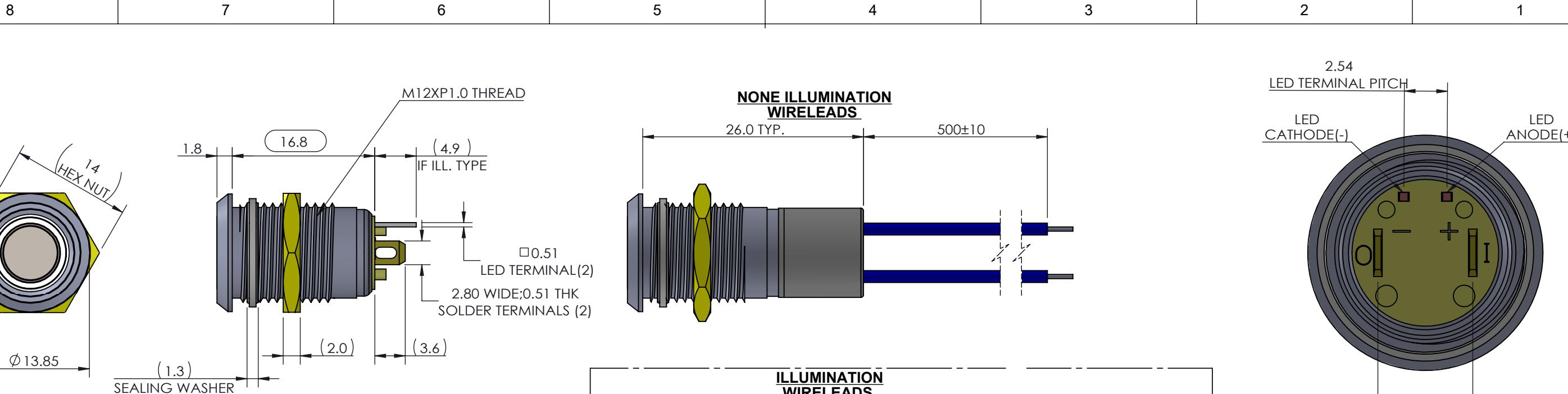


LED SPECIFICATION						
LED CODE	LED SINGLE COLOR		Vf(VDC) TYP.	If (mA)	CIRCUITRY	
	COLOR	COLOR	TYP.		CIRCUITRY	
R	RED	RED	2.0	20		
A	AMBER	AMBER	2.0	20		
Y	YELLOW	YELLOW	2.0	20		
G	GREEN	GREEN	3.0	20		
B	BLUE	BLUE	3.1	20		
W	WHITE	WHITE	3.3	20		
LED CODE	BICOLOR LED		Vf(VDC) TYP.	If (mA)	CIRCUITRY	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

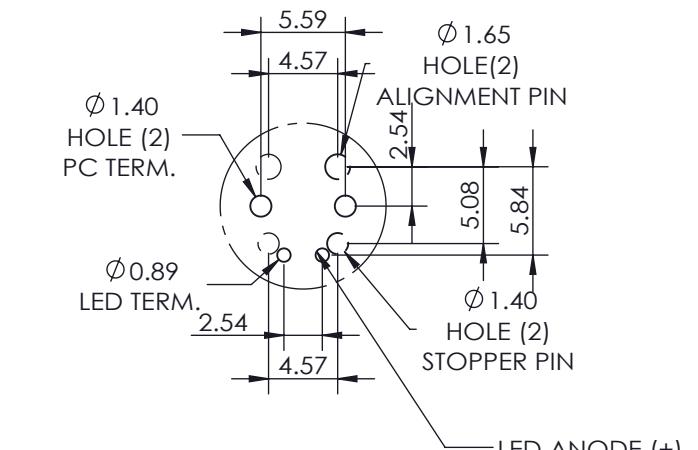
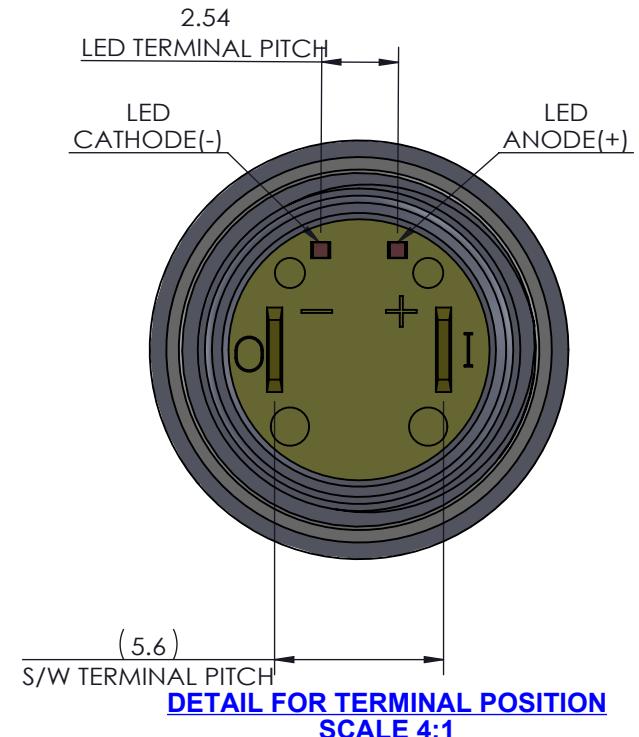
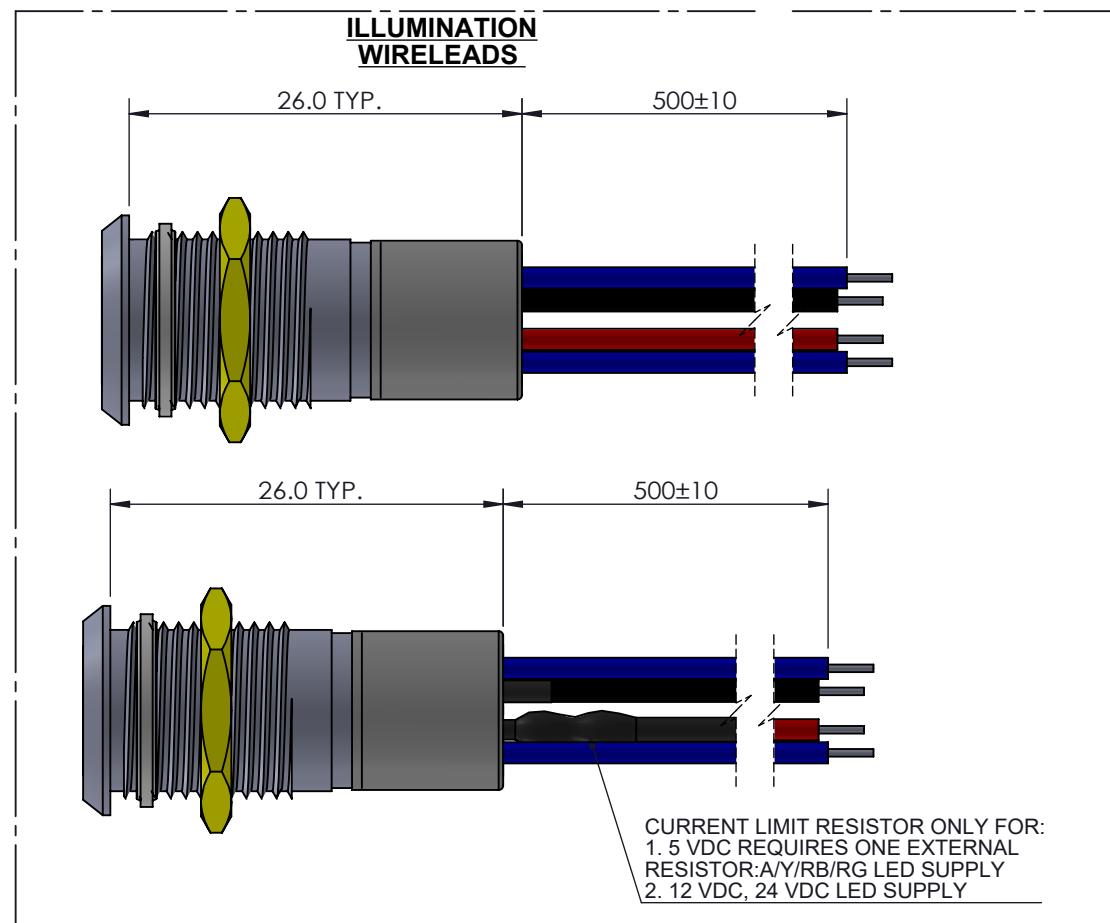
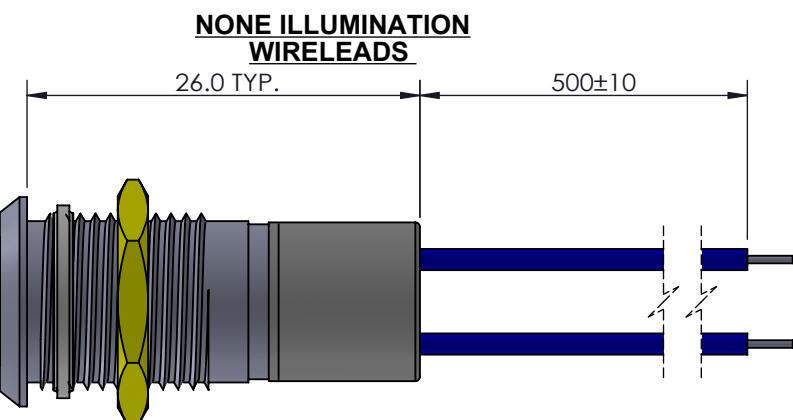
Notes:  
 Hand Soldering Temperature (4mm above from Body): 320°C for 3 seconds

WIRELEADS SPECIFICATION					
WIRELEADS TYPE	WIRELEADS SPECIFICATION			SW TERMINAL	LED
	/	O	+	-	BLUE
ILLUMINATION	AWG26 / UL1007			BLUE	BLACK
NON-ILLUMINATION				BLUE	BLACK

DWG TYPE SALES DRAWING		DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ± 1°	DWG TITLE W12M-MECHANICAL MOMENTARY/MAINTAINED, SOLD./P.C. TERMINAL, WIRELEADS, RING ILLUMINATION			DWG NO. W12M-A,B,E,F,G,H			ITW SWOTCH LUMEX®		
STATUS	RELEASE	REVIEW	APPROVED V.W.	THIRD ANGLE PROJECTION	REF: ---	DATE 2017/12/29	REV 5	■ 管制文件 □ 非管制文件	Unit mm	SCALE 2:1	RoHS Compliant	SHEET 1 OF 3
8	7	6	5	4	3	2	1					



**RECOMMENDED  
PANEL CUT-OUT**



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

DWG TYPE SALES DRAWING		DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ± 1°	DWG TITLE W12M-MECHANICAL MOMENTARY/MAINTAINED, SOLD./P.C. TERMINAL, WIRELEADS, RING ILLUMINATION		DWG NO. W12M-A,B,E,F,G,H		ITW SWOTCH LUMEX®			
STATUS	RELEASE	REVIEW	APPROVED <i>V.W.</i>	THIRD ANGLE PROJECTION	REF: ---	■ 管制文件 □ 非管制文件	Unit mm	SCALE 2:1	REV 5	RoHS Compliant	SHEET 2 OF 3
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