

WSA48M- (1) (2) (3) (4) (5) (6)

SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION
2	MECHANICAL, MAINTAIN, SOLDER TERMINAL
B	MECHANICAL, MAINTAIN, NO/NO WIRELEADS
D	MECHANICAL, MAINTAIN, NC/NC WIRELEADS
F	MECHANICAL, MAINTAIN, NO/NC WIRELEADS

HOUSING MATERIAL CODE	HOUSING DESCRIPTION
1	STAINLESS STEEL
2	ZINC ALLOY CHROME PLATED
3	AL ALLOY ANODIZED BLACK

BUTTON TYPE CODE	BUTTON TYPE DESCRIPTION
0	NON-ILLUMINATION
1	CENTER SPOT ILLUMINATION
2	RING ILLUMINATION
3	POWER/STANDBY ILLUMINATION

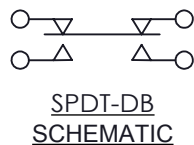
LED COLOR CODE	LED COLOR
N	NONE
R	RED
B	BLUE
G	GREEN
Y	YELLOW
W	WHITE

LED INLET VOLTAGE CODE		LED INLET VOLTAGE
NON-WIRELEADS	IF BLANK*	FOLLOW LED SPECIFICATION
WIRELEADS	IF BLANK*	FOLLOW LED SPECIFICATION
	05	5V
	12	12V
	24	24V

ANY CODE	DESCRIPTION
IF BLANK*	NA
XXX	PER CUSTOMER SPECIAL REQUEST

**MECHANICAL CHARACTERISTICS:**

SWITCH CIRCUITRY: SPDT-DB  
 SWITCH ACTION: MAINTAINED (PER CHART)  
 PRE-TRAVEL: 1.27 mm NOMINAL  
 OVER-TRAVEL: 0.254 mm NOMINAL  
 TOTAL TRAVEL: 1.524 mm NOMINAL  
 OPERATING FORCE: 525 g [5.15N] NOMINAL  
 RELEASEING FORCE: 340 g [3.45N] NOMINAL  
 PANEL THICKNESS:  
 MOUNT: 0.5-4.5mm  
 CONTACTS: SILVER  
 NUT TORQUE FORCE: MAX 11.5 kgf\*cm [10 LB\*in]



**ELECTRICAL LIFE:**

MAINTAINED: 5A@28VDC, 25K CYCLES NOMINAL

**ENVIROMENTAL SPECIFICATIONS:**

OPERATING TEMPERATURE: -40 °C to +85 °C [-40 °F to +185 °F]  
 IP67 COMPLIANT

**ELECTRICAL SPECIFICATIONS:**

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

**LED SPECIFICATIONS:**

SEE LED SPECIFICATION

CERTIFICATION: UL 61058

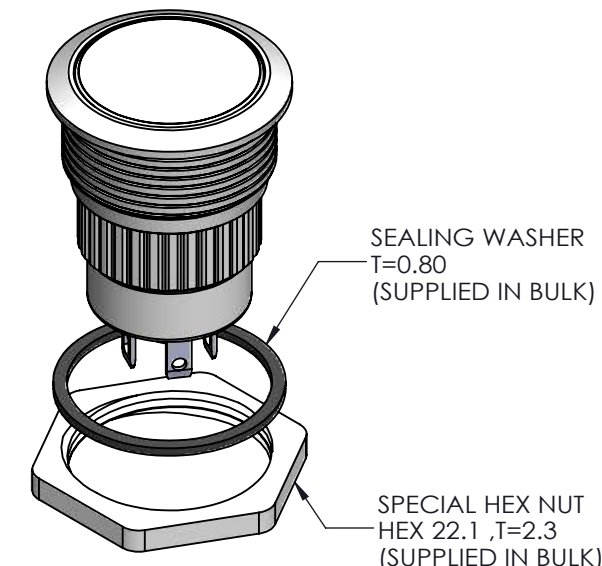
\* NOTE:

1. SUPPLY HEX NUT AND SEALING WASHER BULK IN PACKED

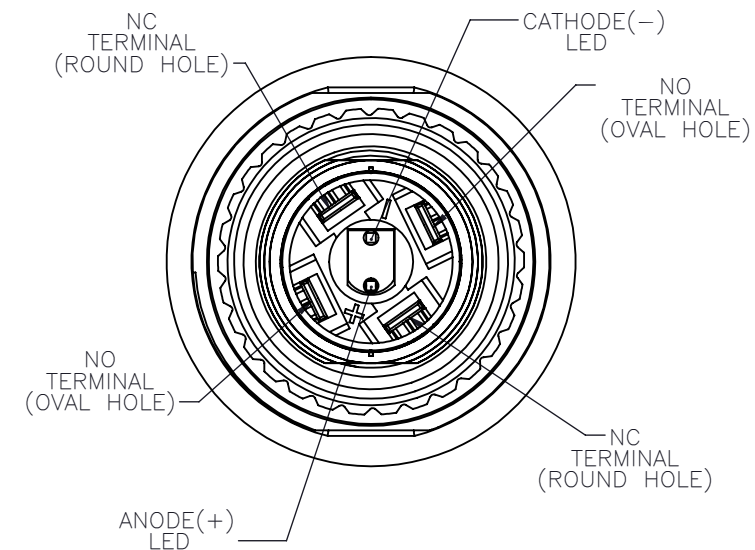
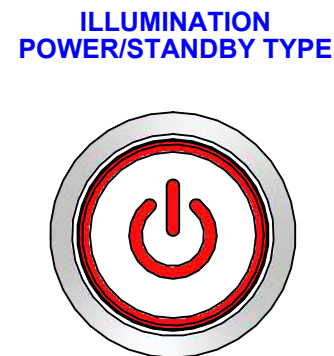
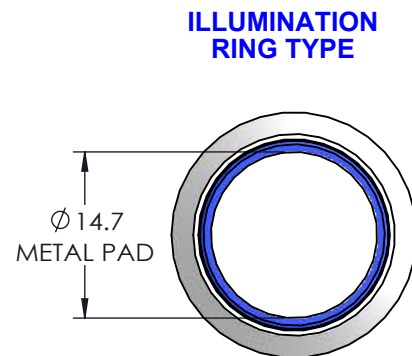
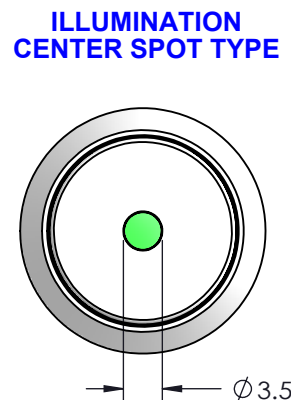
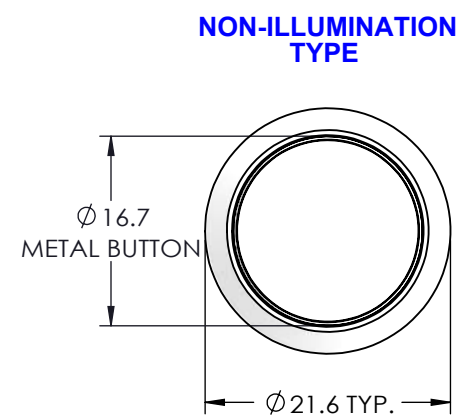
LED SPECIFICATION				
LED CODE	LED Color	CIRCUITRY	Vf(VDC)	If
			Color	(mA)
R	RED		1.8 ~ 2.5	20
B	BLUE		2.8 ~ 3.5	20
G	GREEN		2.8 ~ 3.5	20
Y	YELLOW		1.8 ~ 2.5	20
W	WHITE		2.8 ~ 3.5	20

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

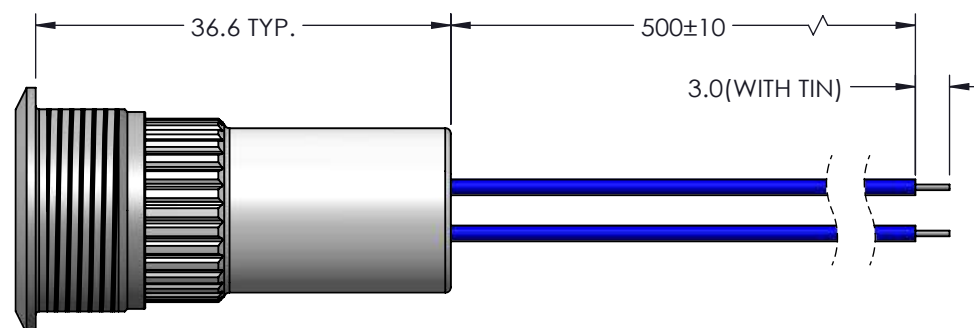
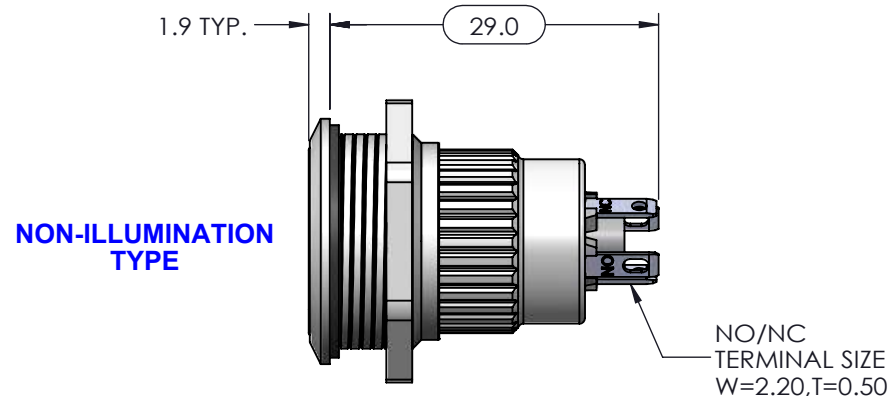
WIRELEADS SPECIFICATION					
WIRELEADS TYPE	WIRELEADS SPECIFICATION	SW TERMINAL	SW TERMINAL	LED COLOR	
		NO	NC	+	-
ILLUMINATION	AWG24 / UL1007	BLUE	YELLOW	RED	BLACK
NON-ILLUMINATION		BLUE	YELLOW	-	-



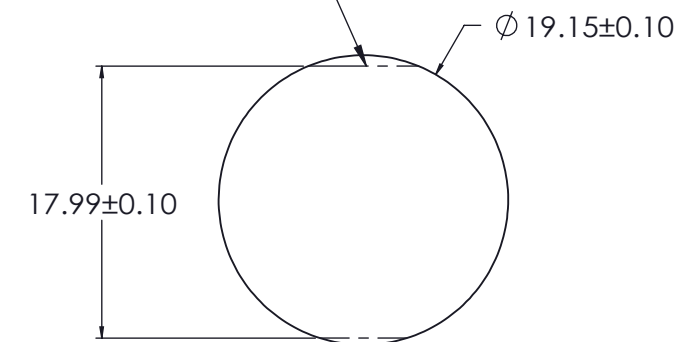
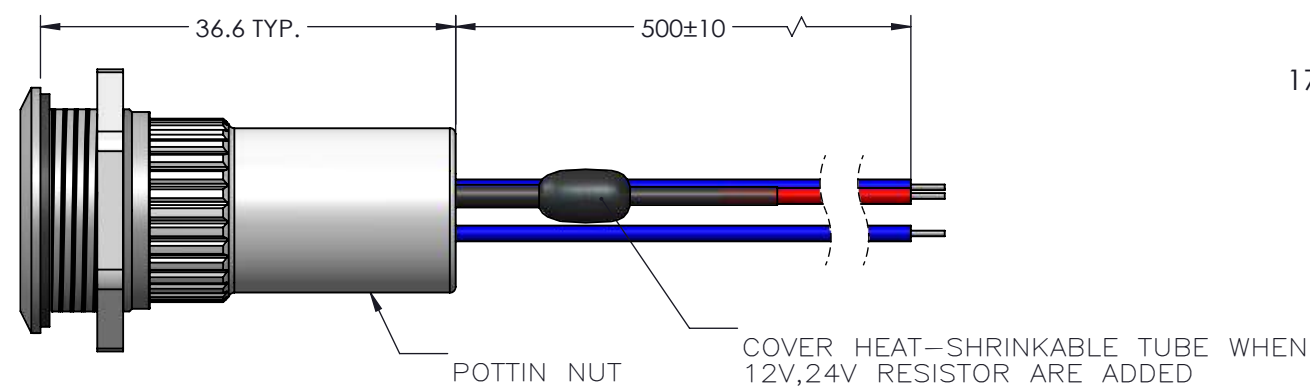
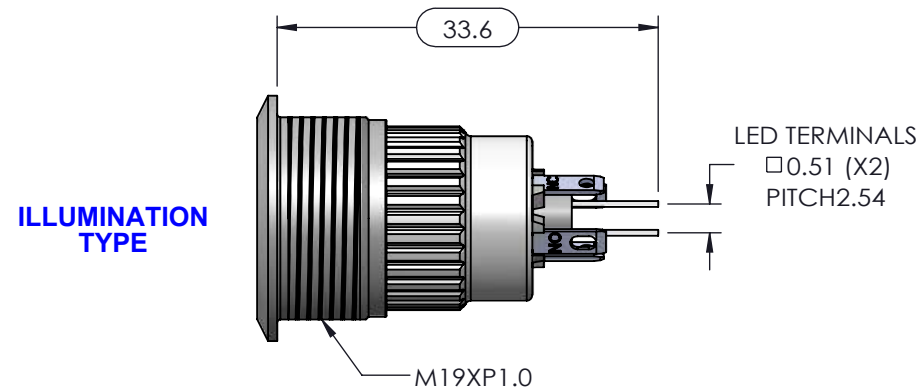
DWG TYPE SALES DRAWING	DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ± 1°	DWG TITLE WSA48M-MECHANICAL MAINTAIN, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION		
STATUS RELEASE	REVIEW <i>A.H.</i>	THIRD ANGLE PROJECTION 	DWG NO. WSA48M-2,B,D,F		
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Unit mm	SCALE 3:2	REV 4	RoHS Compliant	SHEET 1 OF 3	



**DETAIL FOR TERMINAL POSITION**  
SCALE: 3:1



FLAT SIDE (ONLY FOR POWER/STANDBY SYMBOL ALIGNMENT)



**RECOMMENDED PANEL CUT-OUT**  
SCALE: 2:1

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 WSA48M-MECHANICAL MAINTAIN, NONE/CENTER SPOT/ POWER STANDBY SYMBOL ILLUMINATION							
STATUS RELEASE	REVIEW <i>A.H.</i>	THIRD ANGLE PROJECTION 	DWG NO. WSA48M-2,B,D,F							
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