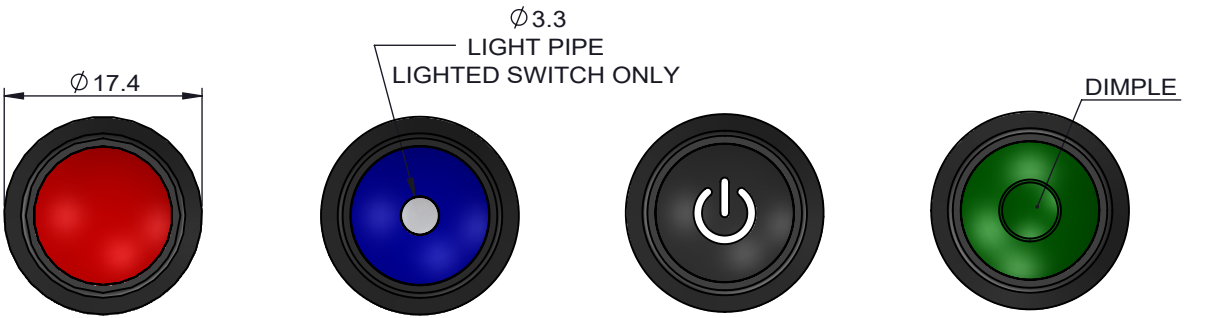


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D	MECHANICAL CHARACTERISTICS: SWITCH CIRCUITRY: SPST-NO-DB SWITCH ACTION: MOMENTARY AND MAINTAINED (PER CHART) BUTTON TRAVEL: 2.3mm NOMINAL OPERATING FORCE: 3N [306g] NOMINAL PANEL THICKNESS: BUSHING MOUNT: 0.5 - 3.0mm SNAP FIT MOUNT: : 1.0、2.0、3.0mm± 0.05mm CONTACTS: SILVER PLATED NUT TORQUE FORCE: MAX 6 kgf-cm[5.2 LB-in] ENVIRONMENTAL SPECIFICATIONS: ACTUATOR INGRESS PROTECTION: IP67															LED SPECIFICATION																				D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
C	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@12VDC, 200K CYCLES NOMINAL MAINTAINED : 20K CYCLES NOMINAL DIELECTRIC STRENGTH: 1,000VAC INSULATION RESISTANCE: 1G OHM CONTACT RESISTANCE: 50m OHMS MAX INITIAL(NON-WIRELEADS) 250m OHMS MAX INITIAL(WIRELEADS)															<table><tr><th rowspan="2">LED CODE</th><th colspan="2">LED SINGLE COLOR</th><th>Vf(VDC)</th><th rowspan="2">If (mA)</th><th rowspan="2">CIRCUITRY</th></tr><tr><th></th><th></th><th>TYP.</th></tr><tr><td>R</td><td colspan="2">RED</td><td>2.0</td><td>20</td><td rowspan="5"></td></tr><tr><td>A</td><td colspan="2">AMBER</td><td>2.0</td><td>20</td></tr><tr><td>Y</td><td colspan="2">YELLOW</td><td>2.0</td><td>20</td></tr><tr><td>G</td><td colspan="2">GREEN</td><td>3.0</td><td>20</td></tr><tr><td>B</td><td colspan="2">BLUE</td><td>3.1</td><td>20</td></tr><tr><td>W</td><td colspan="2">WHITE</td><td>3.3</td><td>20</td></tr><tr><th rowspan="2">LED CODE</th><th colspan="2">BICOLOR LED</th><th>Vf(VDC)</th><th rowspan="2">If (mA)</th><th rowspan="2">CIRCUITRY</th></tr><tr><th>COLOR1</th><th>COLOR2</th><th>TYP.</th></tr><tr><td>RB</td><td>RED</td><td>BLUE</td><td>2.0(RED) 3.3(BLUE)</td><td>20</td><td rowspan="2"></td></tr><tr><td>RG</td><td>RED</td><td>GREEN</td><td>2.0(RED) 3.4(GREEN)</td><td>20</td></tr></table>										LED CODE	LED SINGLE COLOR		Vf(VDC)	If (mA)	CIRCUITRY			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	WIRELEADS SPECIFICATION																				C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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A	CABLE: UL1007,AWG26 NOTE 1.CURRENT LIMITING RESISTOR IS REQUIRED TO LIMIT LED FORWARD CURRENT TO 20mA 2. SUPPLY HEX NUT AND SEALING WASHER BULK PACKED. 3. HIGH-BUTTON OPTION, DENOTED (H), ONLY AVAILABLE FOR ROUND BEZEL AND NON-ILL.TYPE. OMIT (H) FOR STANDARD BUTTON. 4.INNER RESISTOR ONLY FOR LED :RED / BLUE / GREEN / WHITE.															<table><tr><td>DWG TYPE</td><td>SALES DRAWING</td><td>DRAWN</td><td>K.Y.</td><td rowspan="2">TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.25 ANGULAR ± 5°</td><td colspan="4">DWG TITLE</td><td colspan="4" rowspan="2"></td></tr><tr><td>STATUS</td><td>RELEASE</td><td>REVIEW</td><td></td><td colspan="4">WS48-MECHANICAL MOMENTARY/MAINTAINED, SOLD./P.C. TERMINAL, WIRELEADS, NONE/CENTER SPOT/POWER- STANDBY ILLUMINATION</td></tr><tr><td colspan="5" rowspan="3">This document is the intellectual property of ITW Electronic Business Asia Co., Limited and may contain confidential, proprietary, privileged information protected by law. Neither this document nor any information it contains can be reproduced, transformed to any other format, or distributed, without written permission by ITW Electronic Business Asia Co., Limited. 本文作為亞夫電子電器股份有限公司之智慧財產，非經許可不得擷取、複製、轉變成其他形式使用或散佈</td><td>APPROVED</td><td>v.w.</td><td>THIRD ANGLE PROJECTION</td><td colspan="4">DWG NO.</td><td colspan="4" rowspan="2">WS48-1,2,5,6,A,B</td></tr><tr><td>DATE</td><td>2010/3/11</td><td>REF:</td><td>---</td><td colspan="4"></td></tr><tr><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></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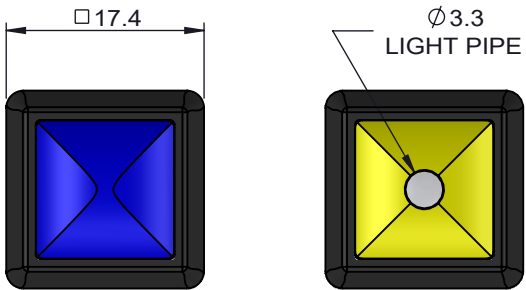
BUSHING MOUNT

ROUND BEZEL

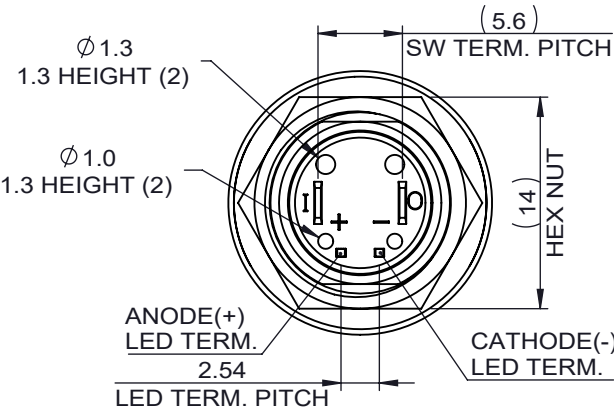


NON-ILL. TYPE ILL. TYPE POWER/STANBY (ILLUMINATION) NON-ILL. HIGH BUTTON

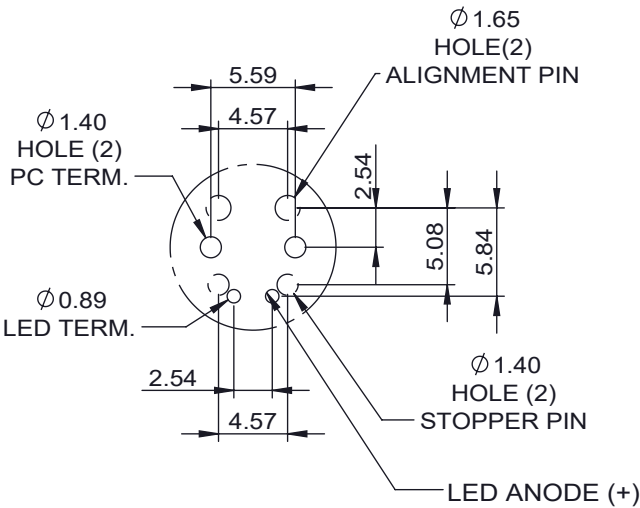
SQUARE BEZEL



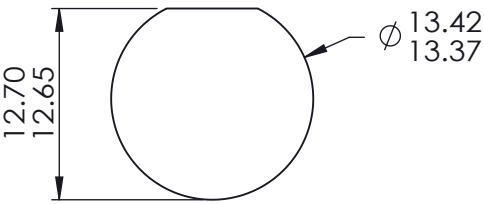
NON-ILL. TYPE ILL. TYPE



DETAIL OF TERMINAL POSITION



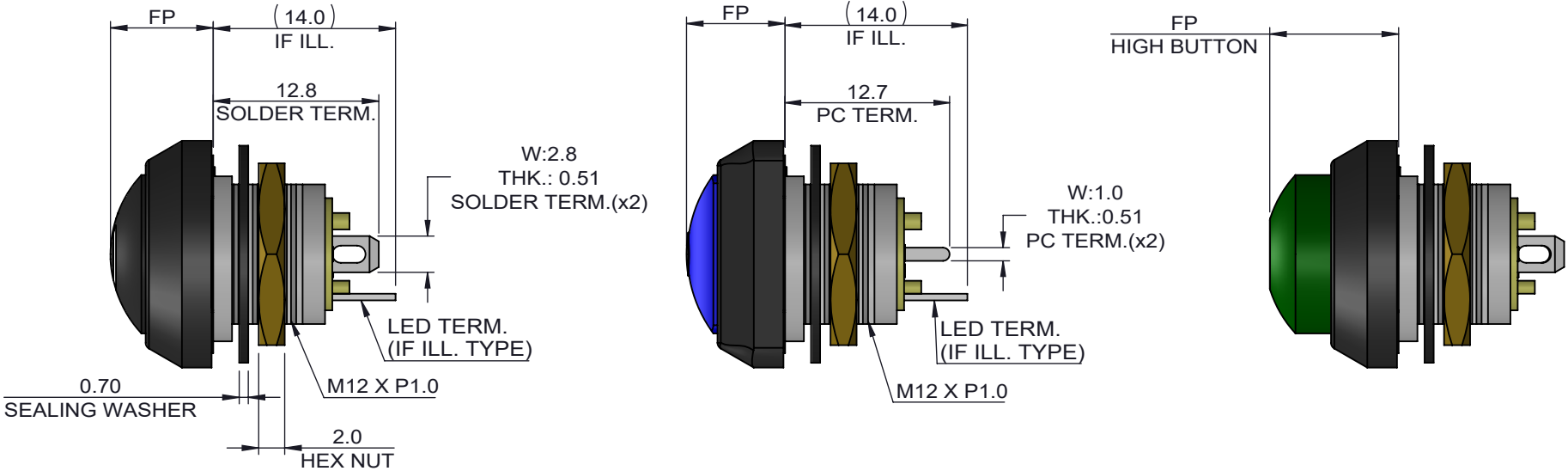
RECOMMENDED P.C. BOARD HOLE PATTERN (FOR PC TERMINAL) COMPONENT SIDE



REFERENCE PANEL CUT-OUT

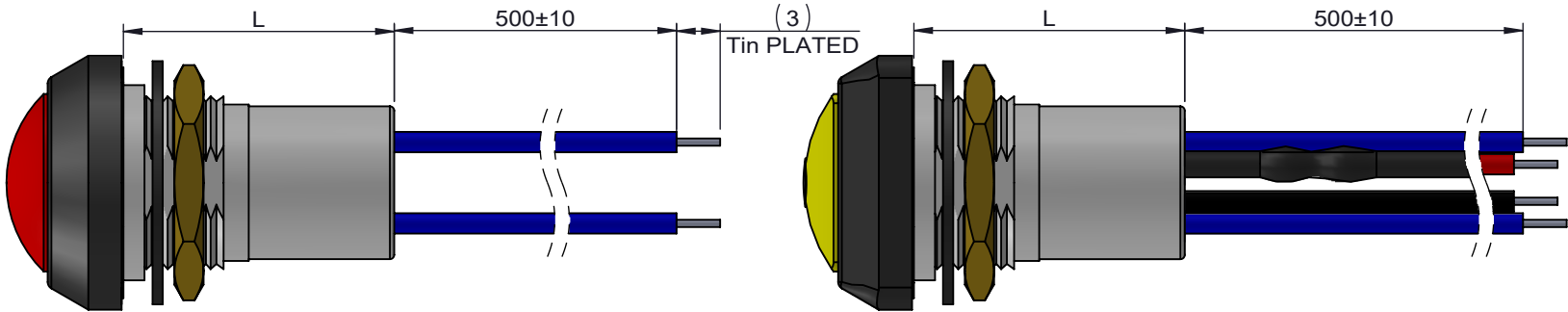
PANEL THICKNESS: 0.5-3mm

SWITCH ACTION	BUTTON TYPE	FP(mm)
MOMENTARY	NON-ILLUMINATION	8.0±0.5
	ILLUMINATION LIGHT PIPE BUTTON	7.6±0.5
	NON-ILLUMINATION HIGH BUTTON	9.9±0.5
MAINTAINED	NON-ILLUMINATION	6.5±0.5
	ILLUMINATION LIGHT PIPE BUTTON	6.0±0.5
	NON-ILLUMINATION HIGH BUTTON	8.4±0.5



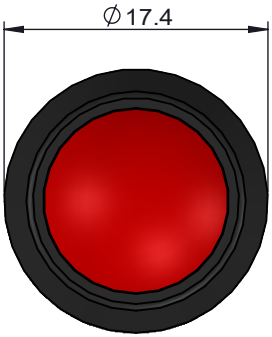
WIRELEADS

SLEEVE CODE	L(mm)
IF BLANCK (STANDARD)	18.6
D (SHORT)	15.2

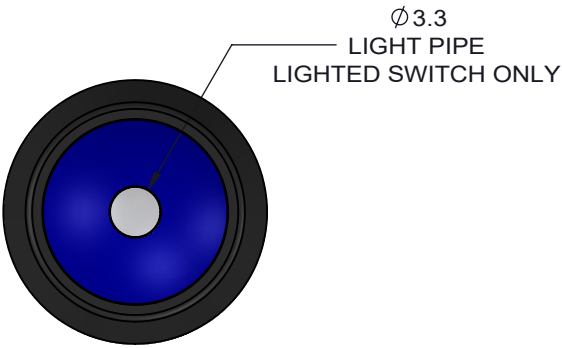


DWG TYPE SALES DRAWING	DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.25 ANGULAR ± 5°		DWG TITLE WS48-MECHANICAL MOMENTARY/MAINTAINED, SOLD./P.C. TERMINAL, WIRELEADS, NONE/CENTER SPOT/POWER- STANDBY ILLUMINATION						
STATUS RELEASE	REVIEW			DWG NO. WS48-1,2,5,6,A,B						
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	DATE 2010/3/11	REF: ---	☒ 管制文件 ☐ 非管制文件		Unit mm	SCALE 3:2	REV 6			

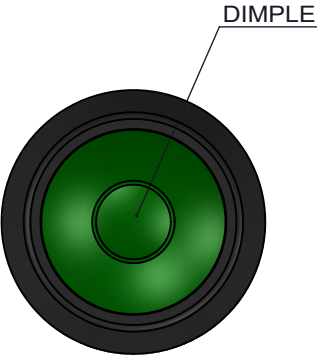
SNAP FIT MOUNT



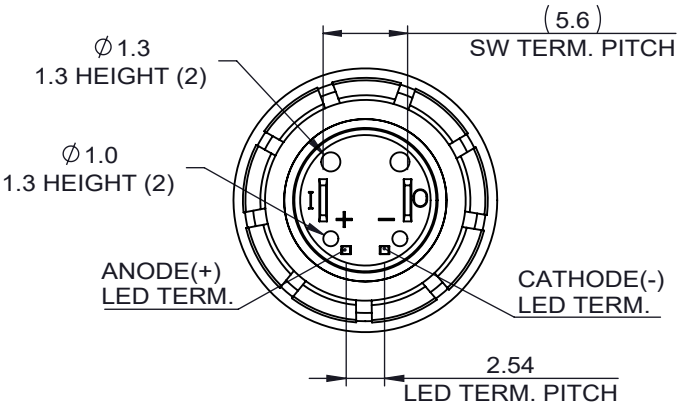
NON-ILL. TYPE



ILL. TYPE

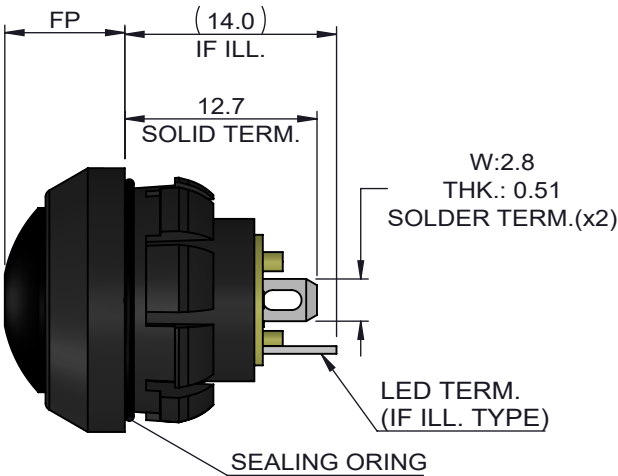


NON-ILL. HIGH BUTTON

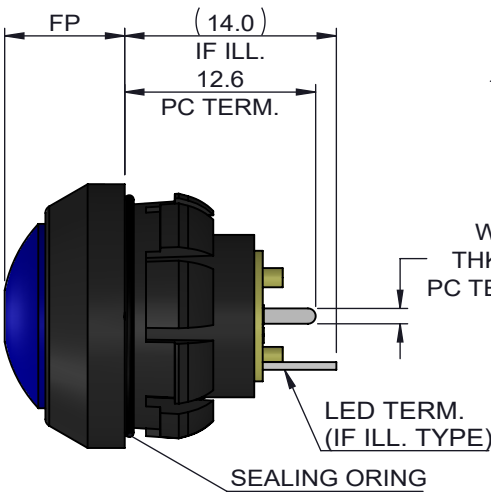


DETAIL OF TERMINAL POSITION

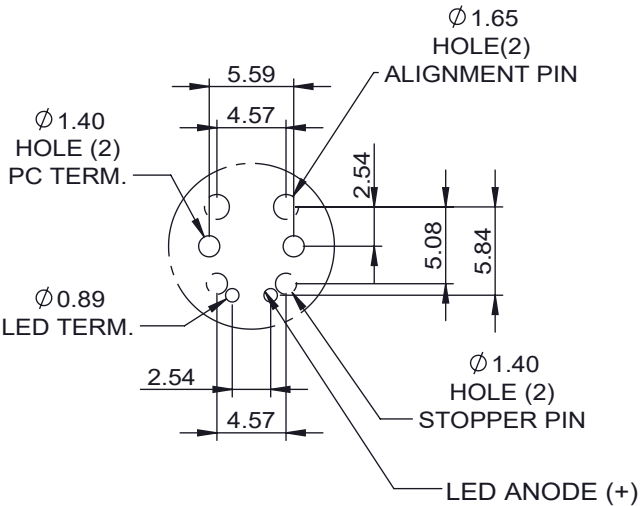
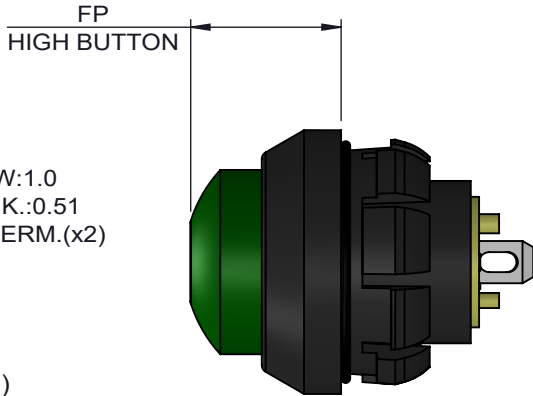
SWITCH ACTION	BUTTON TYPE	FP(mm)
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	NON-ILLUMINATION HIGH BUTTON	9.9±0.5
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	ILLUMINATION LIGHT PIPE BUTTON	6.0±0.5
	NON-ILLUMINATION HIGH BUTTON	8.4±0.5



SOLDERING TERMINAL



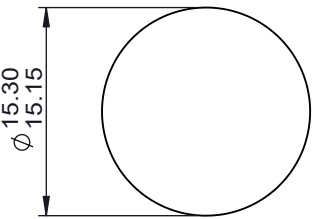
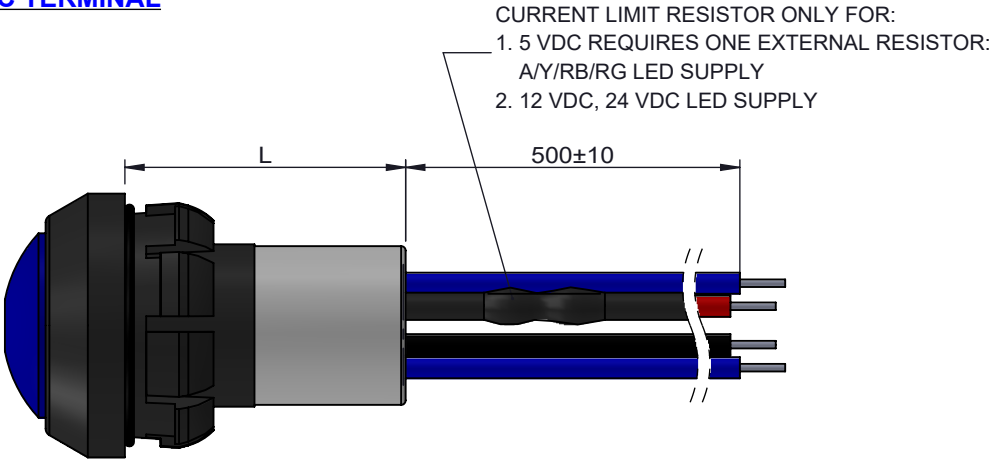
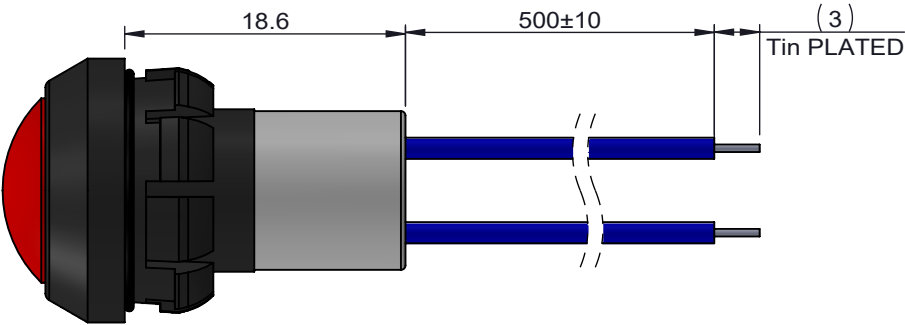
PC TERMINAL



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

WIRELEADS

SLEEVE CODE	L(mm)
IF BLANCK (STANDARD)	18.6
D (SHORT)	15.2



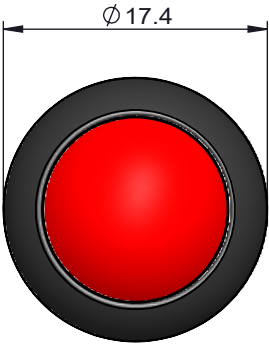
RECOMMENDED
PANEL CUT-OUT

PANEL THICKNESS: 1.0mm , 2.0mm , 3.0mm ±0.5

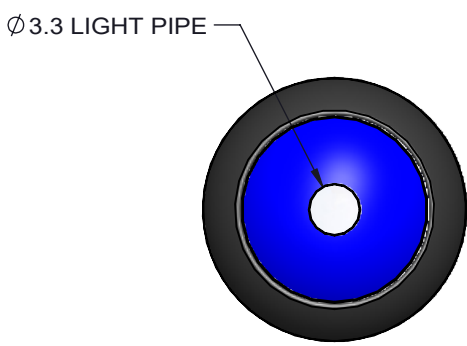
DWG TYPE SALES DRAWING	DRAWN K.Y.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.25 ANGULAR ± 5°		DWG TITLE WS48-MECHANICAL MOMENTARY/MAINTAINED, SOLD./P.C. TERMINAL, WIRELEADS, NONE/CENTER SPOT/POWER- STANDBY ILLUMINATION			ITW SWITCH LUMEX®		
STATUS RELEASE	REVIEW								
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		DATE 2010/3/11	REF: ---						
							RoHS Compliant	SHEET 3 OF 4	

DCC DOCUMENT ISSUE DATE:2021/11/29										7		6		5		4		3		2		1																																																																																																																																																													
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1		MECHANICAL,MOMENTARY,SOLDER TERMINAL								RM		ROUND,BLACK MIRROR								N		NONE								(H)BK		BLACK								B		BUSHING								NON-WIRELEADS		IF BLANK		SEE LED SPEC.								IF BLANK		STANDARD																																																																																																																			
2		MECHANICAL,MAINTAINE,SOLDER TERMINAL																		R		RED								(H)RD		RED								F		SNAP FIT										05		5V (SEE NOTE 4)								D		SHORT																																																																																																																			
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6		MECHANICAL,MAINTAINE,P.C. TERMINAL																		Y		YELLOW								(H)BL		BLUE												05		5V (SEE NOTE 4)																																																																																																																																					
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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 FIT MOUNT: 1.0 、 2.0 、 3.0 ±0.05 mm CONTACTS: SILVER 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, 200K CYCLES NOMINAL MAINTAINED : 20K CYCLES NOMINAL DIELECTRIC STRENGTH: 1,000VAC INSULATION RESISTANCE: 1G OHM CONTACT RESISTANCE: 50m OHMS MAX INITIAL(NON-WIRELEADS) 250m OHMS MAX INITIAL(WIRELEADS) NOTE 1. CURRENT LIMITING RESISTOR IS REQUIRED TO LIMIT LED FORWARD CURRENT TO 20mA 2. SUPPLY HEX NUT AND SEALING WASHER BULK PACKED. 3. HIGH-BUTTON OPTION, DENOTED (H), ONLY AVAILABLE FOR ROUND BEZEL AND NON-ILL. TYPE. OMIT (H) FOR STANDARD BUTTON. 4. INNER RESISTOR ONLY FOR LED :RED / BLUE / GREEN / WHITE.																								<table><tr><th colspan="10">LED SPECIFICATION</th></tr><tr><th rowspan="2">LED CODE</th><th colspan="2" rowspan="2">LED SINGLE COLOR</th><th>Vf(VDC)</th><th rowspan="2">If (mA)</th><th rowspan="2">CIRCUITRY</th></tr><tr><th>TYP.</th></tr><tr><td>R</td><td colspan="2">RED</td><td>2.0</td><td>20</td><td rowspan="5"></td></tr><tr><td>A</td><td colspan="2">AMBER</td><td>2.0</td><td>20</td></tr><tr><td>Y</td><td colspan="2">YELLOW</td><td>2.0</td><td>20</td></tr><tr><td>G</td><td colspan="2">GREEN</td><td>3.0</td><td>20</td></tr><tr><td>B</td><td colspan="2">BLUE</td><td>3.1</td><td>20</td></tr><tr><td>W</td><td colspan="2">WHITE</td><td>3.3</td><td>20</td><td></td></tr><tr><th rowspan="2">LED CODE</th><th colspan="2">BICOLOR LED</th><th>Vf(VDC)</th><th rowspan="2">If (mA)</th><th rowspan="2">CIRCUITRY</th></tr><tr><th>COLOR1</th><th>COLOR2</th><th>TYP.</th></tr><tr><td>RB</td><td>RED</td><td>BLUE</td><td>2.0(RED) 3.3(BLUE)</td><td>20</td><td rowspan="2"></td></tr><tr><td>RG</td><td>RED</td><td>GREEN</td><td>2.0(RED) 3.4(GREEN)</td><td>20</td></tr><tr><td colspan="6">Notes: Hand Soldering Temperature (4mmabove from Body) : 320°C for 3 seconds</td></tr><tr><th colspan="10">WIRELEADS SPECIFICATION</th></tr><tr><th rowspan="2">WIRELEADS TYPE</th><th colspan="2" rowspan="2">WIRELEADS SPECIFICATION</th><th colspan="2">SW TERMINAL</th><th colspan="2">LED</th></tr><tr><th>/</th><th>O</th><th>+</th><th>-</th></tr><tr><td>ILLUMINATION</td><td colspan="2" rowspan="2">AWG26 / UL1007</td><td>BLUE</td><td>BLUE</td><td>RED</td><td>BLACK</td></tr><tr><td>NON-ILLUMINATION</td><td>BLUE</td><td>BLUE</td><td>--</td><td>--</td></tr></table>																								LED SPECIFICATION										LED CODE	LED SINGLE COLOR		Vf(VDC)	If (mA)	CIRCUITRY	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	Notes: Hand Soldering Temperature (4mmabove from Body) : 320°C for 3 seconds						WIRELEADS SPECIFICATION										WIRELEADS TYPE	WIRELEADS SPECIFICATION		SW TERMINAL		LED		/	O	+	-	ILLUMINATION	AWG26 / UL1007		BLUE	BLUE	RED	BLACK	NON-ILLUMINATION	BLUE	BLUE	--	--	BUSHING TYPE SNAP FIT TYPE																							
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					DATE	2020/4/17	REF:	---	☒ 管制文件 ☐ 非管制文件		Unit	mm	SCALE	3:2	REV	3	RoHS	Compliant	SHEET 1 OF 4																																																																																																																																																																
8		7		6		5		4		3		2		1																																																																																																																																																																					

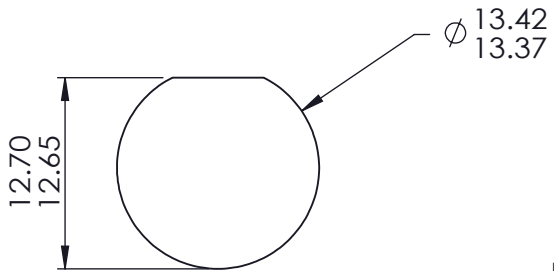
BUSHING MOUNTING



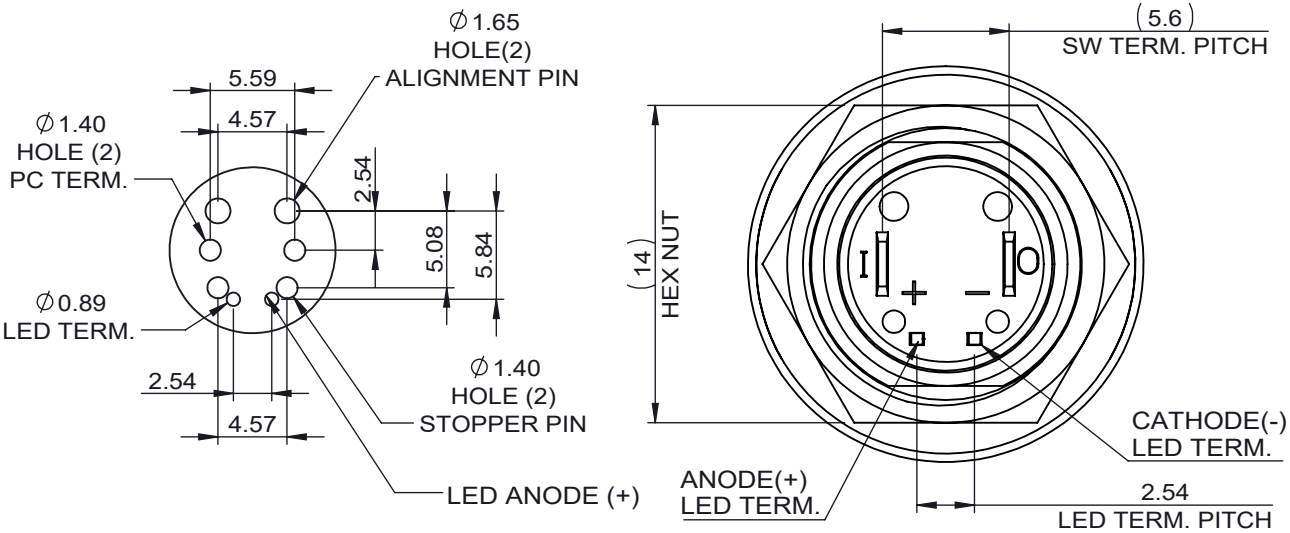
NONE-ILLUMINATION



ILLUMINATION

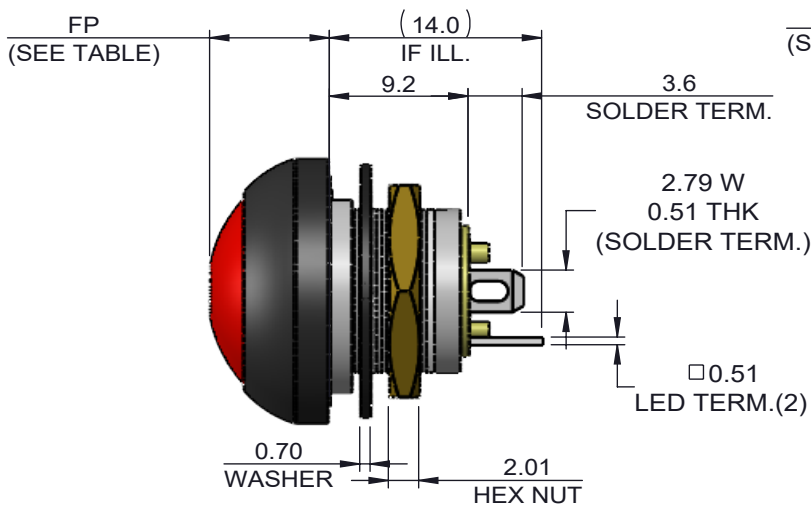


REFERENCE
PANEL CUT-OUT
BUSHING MOUNT

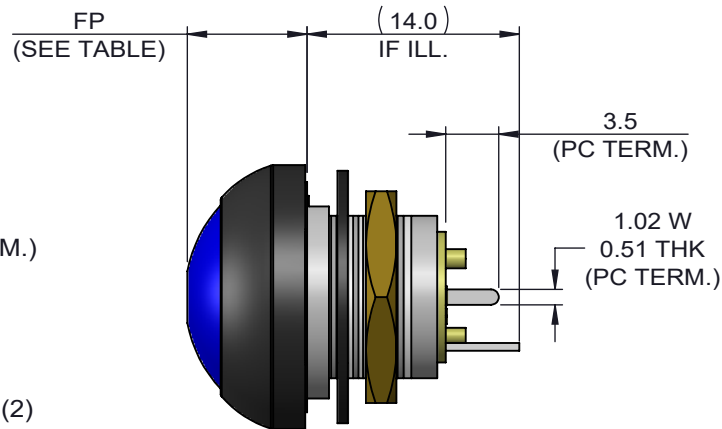


RECOMMENDED P.C. BOARD HOLE PATTERN
(FOR PC TERMINAL)
COMPONENT SIDE

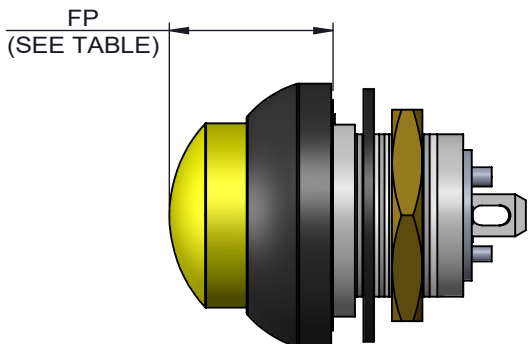
DETAIL OF TERMINAL POSITION



SOLDERING TERMINAL



PC TERMINAL



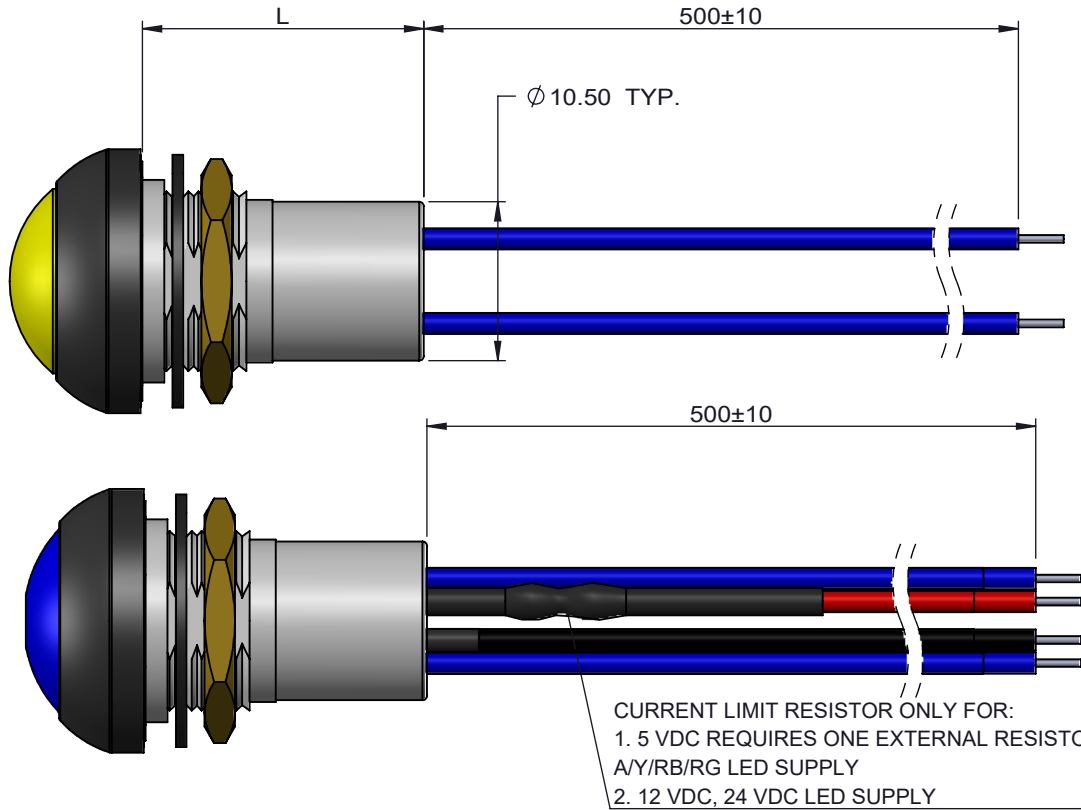
HIGH BUTTON

(ONLY AVAILABLE FOR ROUND BEZEL AND NON-ILL.TYPE)

BUTTON TYPE	FP(mm)
NON-ILLUMINATION	8.8±0.5
ILLUMINATION: LIGHT PIPE BUTTON	7.9±0.5
HIGH BUTTON	10.8±0.5

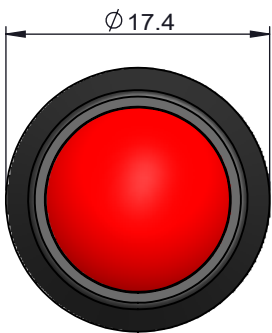
WIRELEADS

SLEEVE CODE	L(mm)
IF BLANCK (STANDARD)	18.6
D (SHORT)	15.2

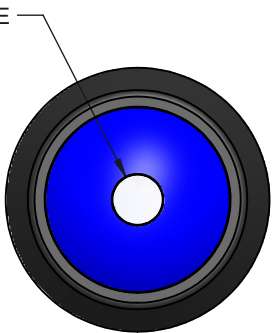


DWG TYPE SALES DRAWING	DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.25 ANGULAR ± 5°	DWG TITLE WS48-RM SERIES ,MECHANICAL MOMENTARY/MAINTAINED							
STATUS RELEASE	REVIEW <i>v.w.</i>		DWG NO. WS48-1,2,5,6,A,B-RM							
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	DATE 2020/4/17	REF: ---								

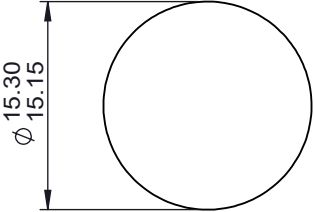
SNAP FIT MOUNTING



NONE-ILLUMINATION

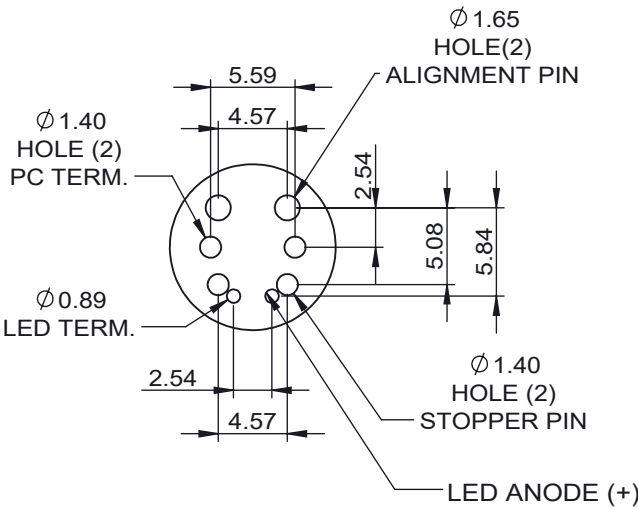


ILLUMINATION

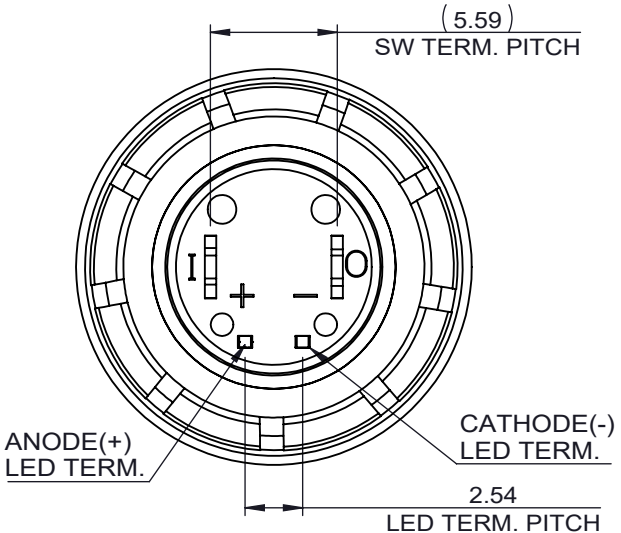


REFERENCE
PANEL CUT-OUT

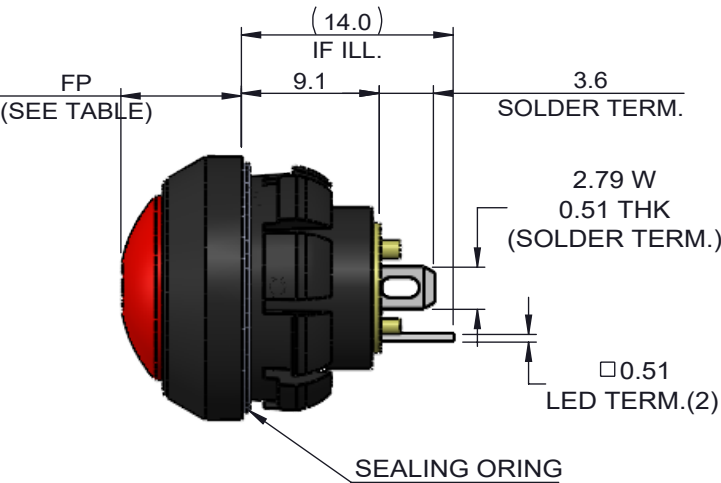
PANEL THICKNESS: 1.0mm , 2.0mm , 3.0mm±0.5



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

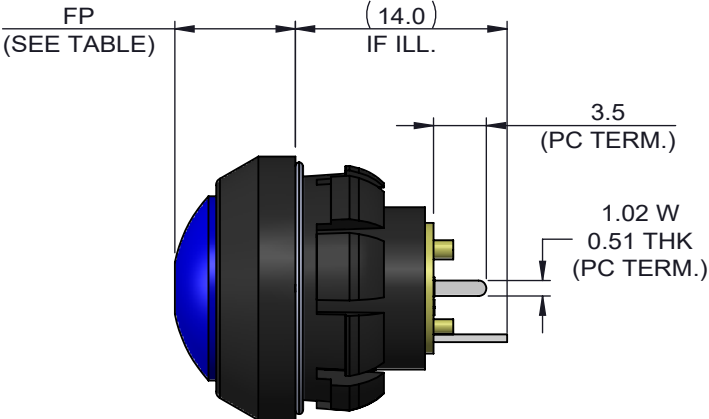


DETAIL OF TERMINAL POSITION

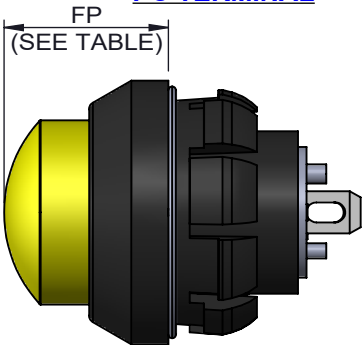


SOLDERING TERMINAL

BUTTON TYPE	FP(mm)
NON-ILLUMINATION	8.8±0.5
ILLUMINATION: LIGHT PIPE BUTTON	7.9±0.5
HIGH BUTTON	10.8±0.5



PC TERMINAL

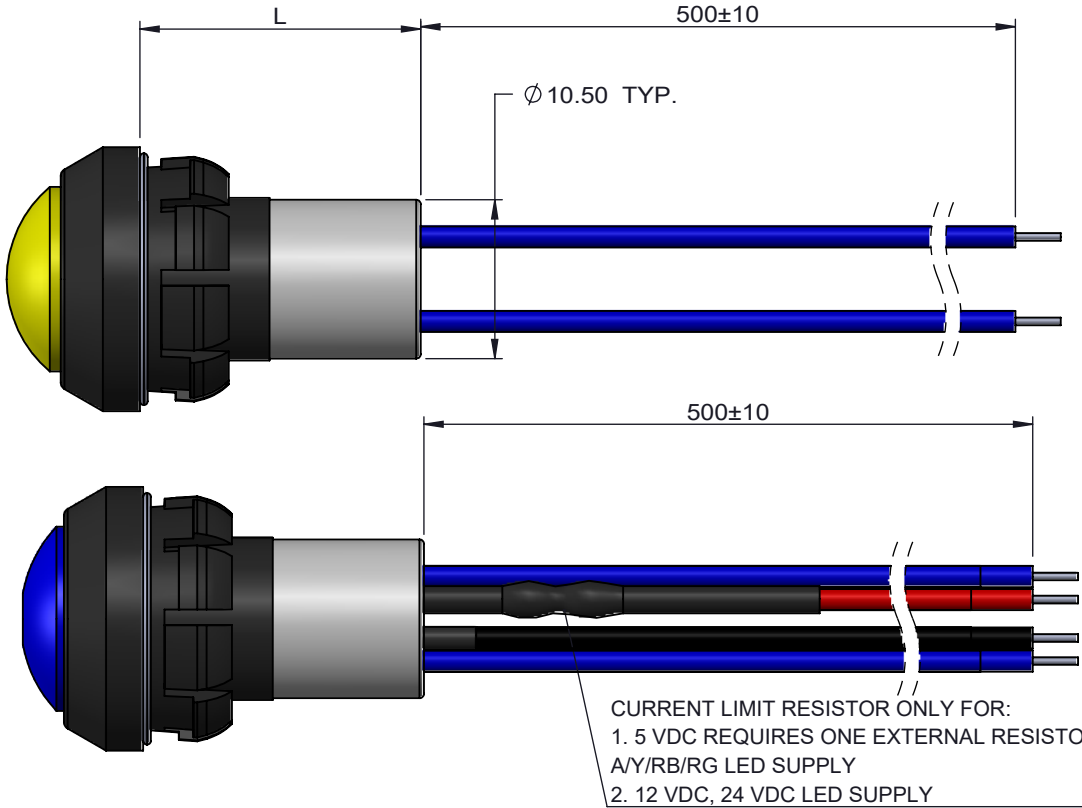


HIGH BUTTON

(ONLY AVAILABLE FOR ROUND BEZEL AND NON-ILL.TYPE)

WIRELEADS

SLEEVE CODE	L(mm)
IF BLANCK (STANDARD)	18.6
D (SHORT)	15.2



DWG TYPE SALES DRAWING	DRAWN <i>K.Y.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.25 ANGULAR ± 5°	DWG TITLE WS48-RM SERIES ,MECHANICAL MOMENTARY/MAINTAINED									
STATUS RELEASE	REVIEW <i>v.w.</i>		DWG NO. WS48-1,2,5,6,A,B-RM									
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		DATE 2020/4/17										