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W50— ① — ② — ③ — ④ — ⑤ — ⑥ — ⑦

SWITCH FUNCTION CODE	SWITCH FUNCTION DESCRIPTION
1	MOMENTARY SOLDER TERMINAL
2	MAINTAINED SOLDER TERMINAL
5	MOMENTARY P.C. TERMINAL
6	MAINTAINED P.C. TERMINAL
A	MOMENTARY WIRELEADS
B	MAINTAINED WIRELEADS

HOUSING TYPE CODE	BEZEL TYPE DECSRIPTION
RBK	ROUND, BLACK

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

BUTTON COLOR CODE	BUTTON COLOR
RD	RED
GR	GREEN
BL	BLUE
BK	BLACK
YL	YELLOW
OR	ORANGE

MOUNTING TYPE CODE	MOUNTING TYPE
B	BUSHING

LED INLET VOLTAGE CODE (SEE LED SPECIFICATION)		LED INLET VOLTAGE
NON-WIRELEADS	IF BLANK	(SEE LED SPECIFICATION TABLE)
	05	5V*
WIRELEADS	IF BLANK	(SEE LED SPECIFICATION TABLE)
	05	5V*
	12	12V
	24	24V

ANY CODE	DESCRIPTION
IF BLANK	NA
XXX	PER CUSTOMER SPECIAL REQUEST

MECHANICAL CHARACTERISTICS:

SWITCH CIRCUITRY: SPST-NO-DB
SWITCH ACTION: MOMENTARY OR MAINTAINED (PER CHART)
BUTTON TRAVEL: 2.3mm NOMINAL
OPERATING FORCE: 306g [3N] NOMINAL
CONTACT BOUNCE: 1ms NOMINAL
PANEL THICKNESS: 0.5 - 3.0mm
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 SPECIFICATIONS:

CURRENT RATINGS: 10mA@12VDC
MOMENTARY: 1000K CYCLES NOMINAL
MAINTAINED: 50K CYCLES NOMINAL
DIELECTRIC STRENGTH: 1,000VAC
INSULATION RESISTANCE: 1G OHM
CONTACT RESISTANCE:
50m OHMS MAX INITIAL(NON-WIRELEADS)
250m OHMS MAX INITIAL(WIRELEADS)

LED SPECIFICATIONS:

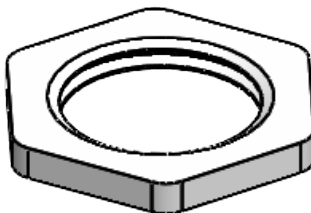
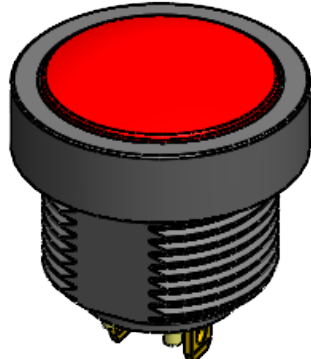
CURRENT LIMITING RESISTOR IS REQUIRED TO LIMIT
LED FORWARD CURRENT TO 20mA.
LED CHARACTERISTICS SEE LED SPECIFICATION TABLE
*INNER RESISTOR ONLY FOR LED :RED(5V) / BLUE(5V) / GREEN(5V) / WHITE(5V)

NOTE:

1.SUPPLY HEX NET AND SEALING WASHER BULK IN PACKED

LED SPECIFICATION					
LED CODE	LED SINGLE COLOR		CIRCUITRY	Vf(VDC) TYP.	If (mA)
				Color 1	
A	AMBER			2.0	20
R	RED			2.0	20
B	BLUE			3.1	20
G	GREEN			3.0	20
W	WHITE			3.3	20
RB	RED	BLUE		2.0 (RED) 3.3 (BLUE)	20
RG	RED	GREEN		2.0 (RED) 3.4 (GREEN)	20
Notes: 1.) Hand Soldering Temperature (4mm above 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	--	--



SEALING WASHER

SUPPLY HEX NUT

DWG TYPE SALES DRAWING	DRAWN C.C.	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE W50-MECHANICAL MOMENTARY & MAINTAINED						
STATUS RELEASE	REVIEW H.W.		DWG NO. W50-1,2,5,6,A,B						
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	DATE 2017.10.24	REF: S48-1, 2, 5, 6, A, B	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 2 : 1	REV 4			

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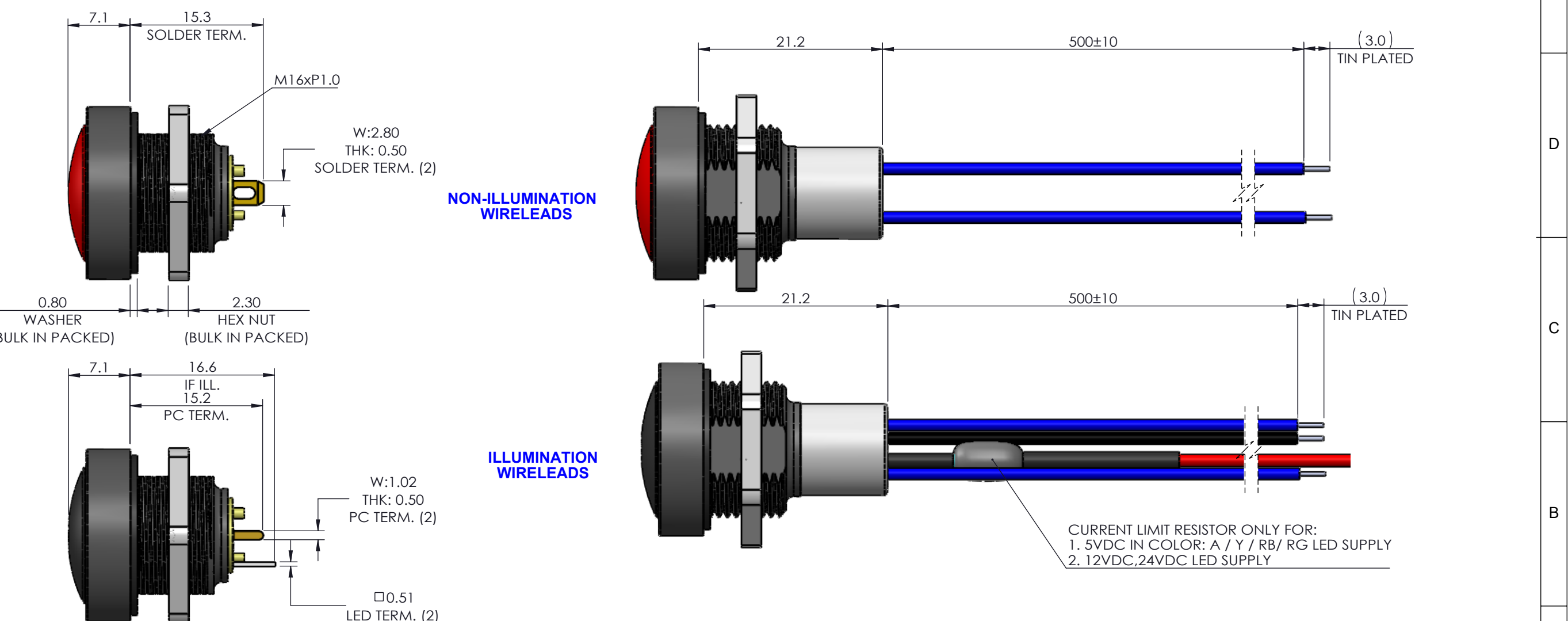
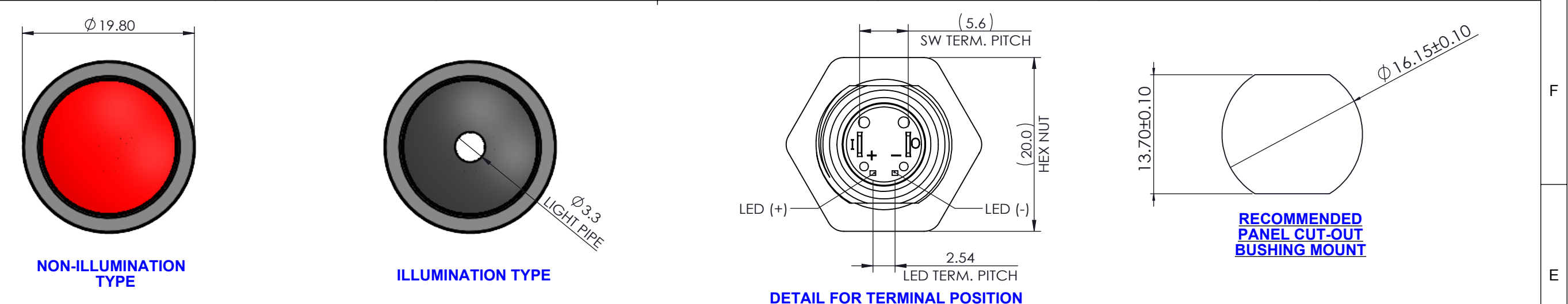
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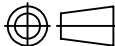
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DWG TYPE SALES DRAWING	DRAWN <i>c.c.</i>	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE W50-MECHANICAL MOMENTARY & MAINTAINED							
STATUS RELEASE	REVIEW <i>H.W.</i>		DWG NO. W50-1,2,5,6,A,B							
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	DATE 2017.10.24	REF: S48-1, 2, 5, 6, A, B	☒ 管制文件 ☐ 非管制文件	Unit mm	SCALE 2 : 1	REV 4	RoHS Compliant	SHEET 2 OF 3		

REVISION RECORD				
REV.	DESCRIPTION	DATE	DRAWN BY	DOCUMENT NO.
0A	INITIAL SALES DRAWING	2017.10.24	H.W.	--
1	RELEASE FOR PRODUCTION	2020.04.21	C.C.	--
2	REDRAWING	2020.8.6	K.Y.	--
3	REDRAWN	2021.04.27	C.C.	DCN-202100070
4	ADD FUNCTION CODE 5 AND 6	2024.02.16	S.F.	DCN-202400011

DWG TYPE	DRAWN	TOLERANCES: UNLESS OTHERWISE NOTED X.X ± 0.5 X.XX ± 0.2 ANGULAR ±1°	DWG TITLE							
SALES DRAWING	C.C.		W50-MECHANICAL MOMENTARY & MAINTAINED							
STATUS	REVIEW		DWG NO.							
RELEASE	H.W.		W50-1,2,5,6,A,B							
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	V.W.									
	DATE	REF:	☒ 管制文件 ☐ 非管制文件	Unit	SCALE	REV	RoHS Compliant		SHEET 3 OF 3	
	2017.10.24	S48-1, 2, 5, 6, A, B	mm	2 : 1	4					