

87654321

WSA58M—①②③④⑤—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

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 NOMINAL
PANEL THICKNESS:0.5-4.5mm

CONTACTS: SILVER
NUT TORQUE FORCE: MAX 11.5 kgf*cm [10 LB*in]

ELECTRICAL LIFE:
MAINTAINED: 5A@28VDC 25KCYCLES NOMINAL.

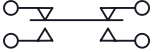
ENVIROMENTAL SPECIFICATIONS:
OPERATING TEMPERATURE: -40° C to +85° C[-40° F to +185° F]
IP67 COMPLIANT

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

HOUSING MATERIAL CODE	HOUSING DESCRIPTION
1	STAINLESS STEEL
2	ALUMINUM, INHERENT


SPDT-DB
SCHEMATIC

HOUSING ADAPTATION	BUTTON TYPE CODE	BUTTON DESCRIPTION
STAINLESS STEEL & ALUMINUM INHERENT HOUSING	0	NON.—ILLUMINATION
	2	RING ILLUMINATION
	3	POWER/STANDBY ILLUMINATION
ALUMINUM INHERENT HOUSING	R	RED BUTTON, ONLY FOR NON—ILLUMINATION
	G	GREEN BUTTON, ONLY FOR NON—ILLUMINATION
	Y	YELLOW BUTTON, ONLY FOR NON—ILLUMINATION
	B	BLUE BUTTON, ONLY FOR NON—ILLUMINATION
	D	GOLD BUTTON, ONLY FOR NON—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
	IF BLANK*	FOLLOW LED SPECIFICATION
WIRELEADS	05	5V
	12	12V
	24	24V

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

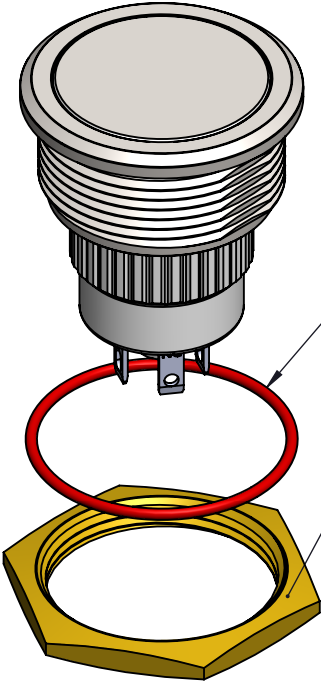
LED SPECIFICATION

LED CODE	LED Color	CIRCUITRY	Vf(VDC) Color	If (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	-	-



SEALING O—RING T=1.0 (SUPPLIED IN BULK)

SPECIAL HEX NUT HEX 24.9, T=3.0 (SUPPLIED IN BULK)

DWG TYPE
SALES DRAWING

STATUS
RELEASE

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DRAWN
K.Y.

REVIEW
a.H.

APPROVED
v.w.

DATE
2017/12/12

TOLERANCES:
UNLESS OTHERWISE NOTED
X.X ± 0.5
X.XX ± 0.2
ANGULAR ±1°

THIRD ANGLE PROJECTION


REF:
58M-A,B

DWG TITLE
WSA58M-MECHANICAL MAINTAIN,
NONE/CENTER SPOT/
POWER STANDBY SYMBOL ILLUMINATION

DWG NO.
WSA58M-2,B,D,F

☒ 管制文件
☐ 非管制文件

Unit
mm

SCALE
3:2

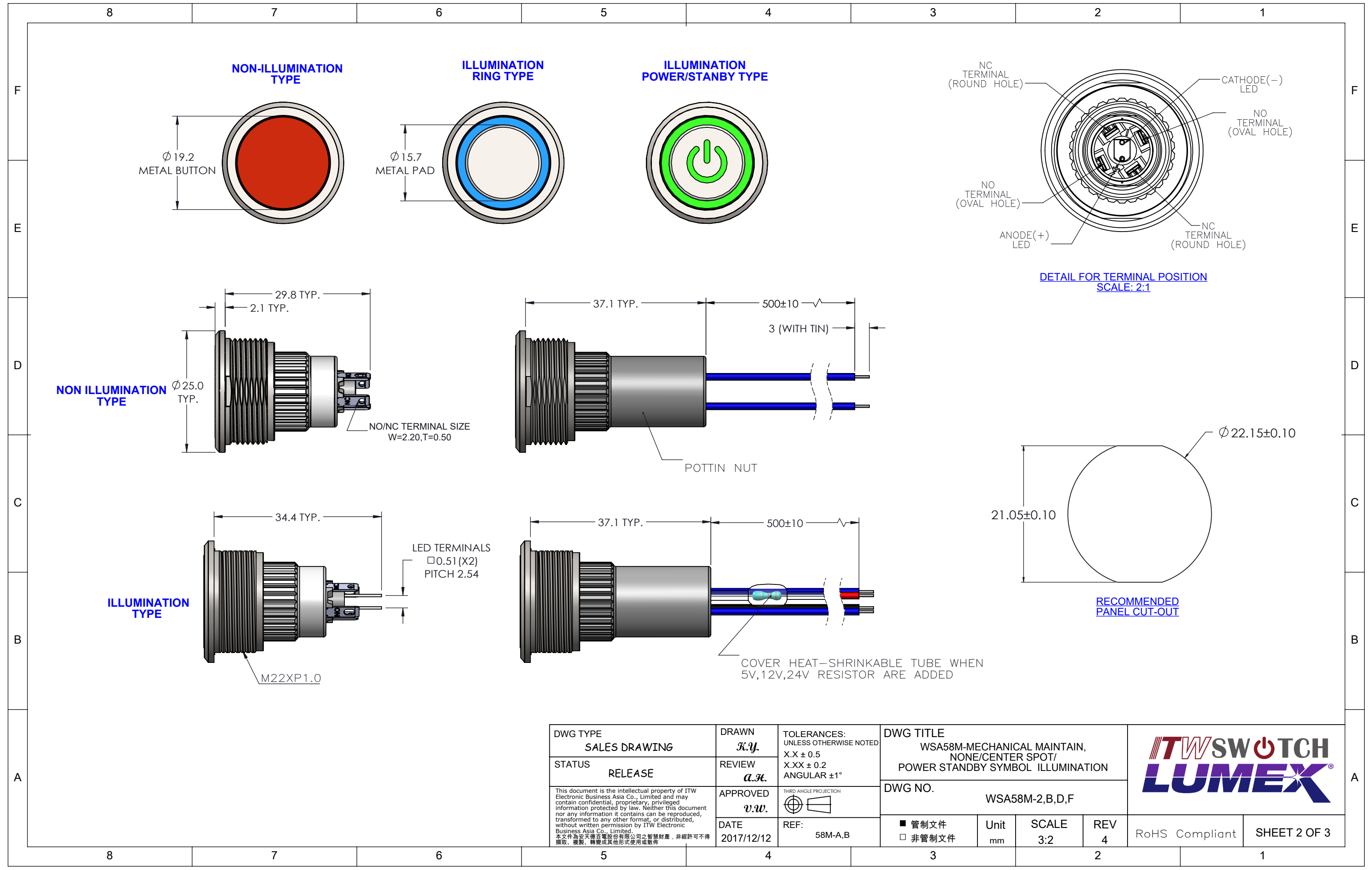
REV
4

RoHS Compliant

SHEET 1 OF 3



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Mouser Electronics

Authorized Distributor

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Lumex:

[WSA58M-B13W24](#)