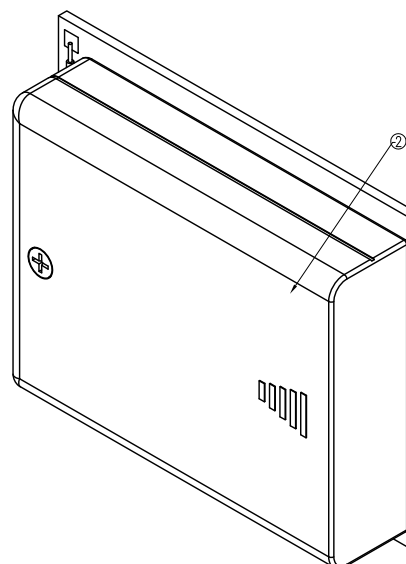
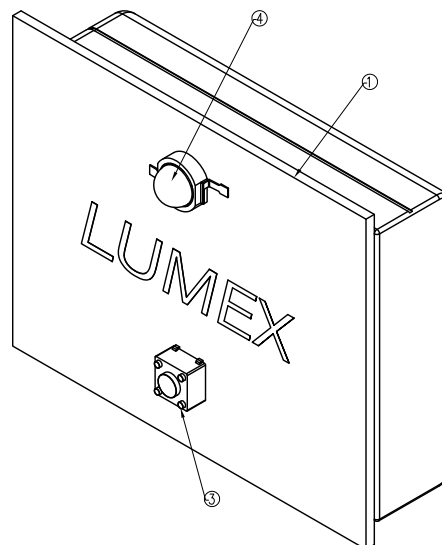
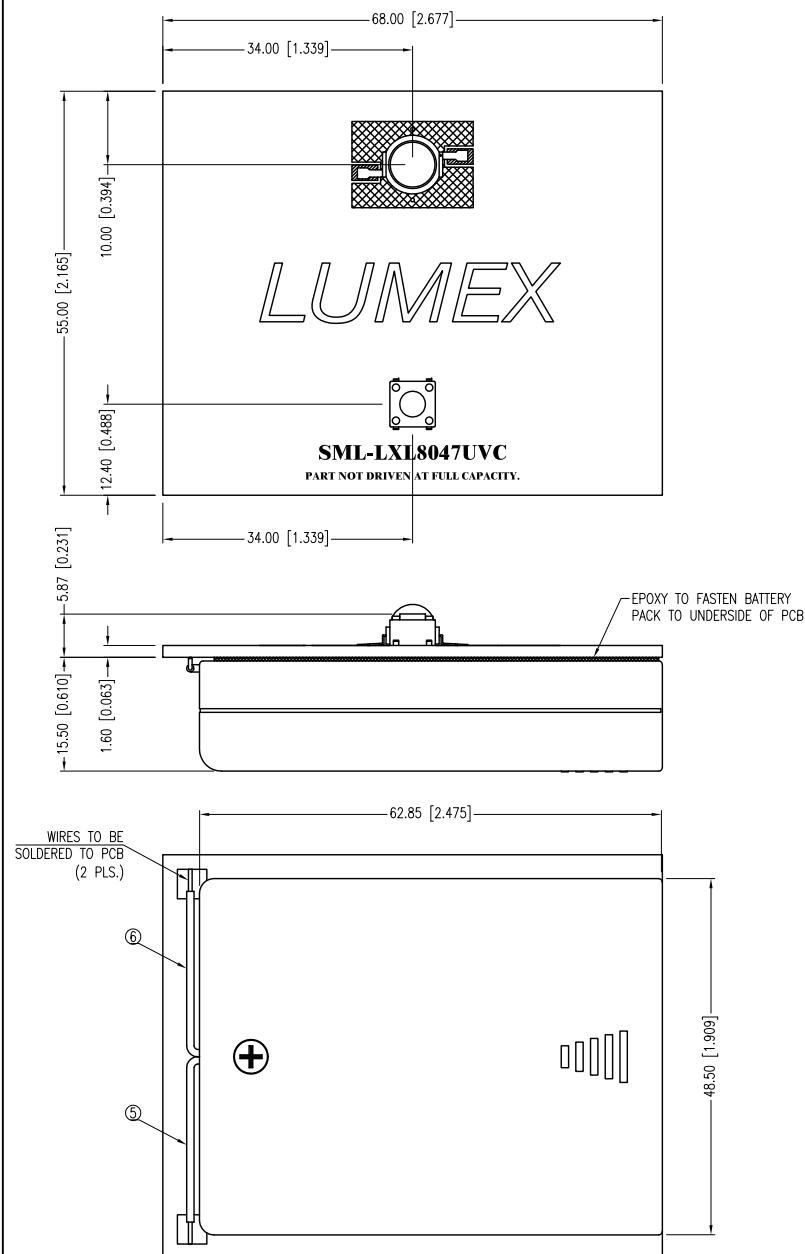


ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=700\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
DOM. WAVELENGTH		405	410	nm	
FORWARD VOLTAGE	3.4	3.6	3.8	Vf	$I_f=700\text{mA}$
REVERSE VOLTAGE	5.0			Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY	14	18	22	lm	$I_f=700\text{mA}$
VIEWING ANGLE		100		2x theta	
EMITTED COLOR:	UV PURPLE				
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	800	mA
STEADY CURRENT	700	mA
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-20 TO +75	$^{\circ}\text{C}$
STORAGE TEMP.	-30 TO +80	$^{\circ}\text{C}$

* $t < 10\mu\text{s}$

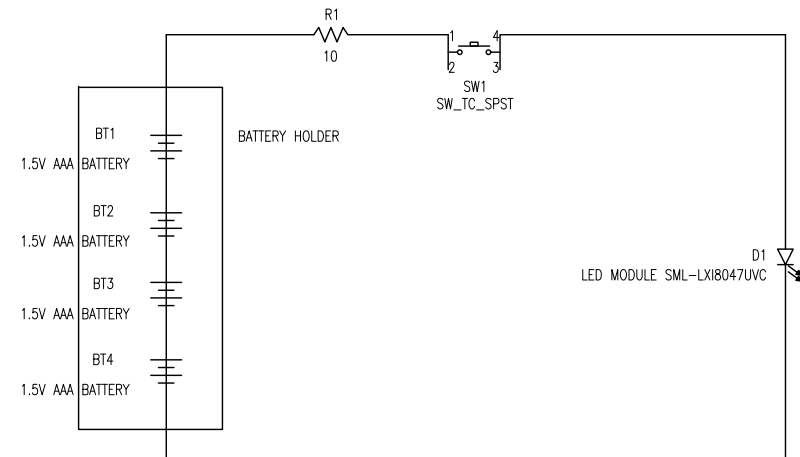
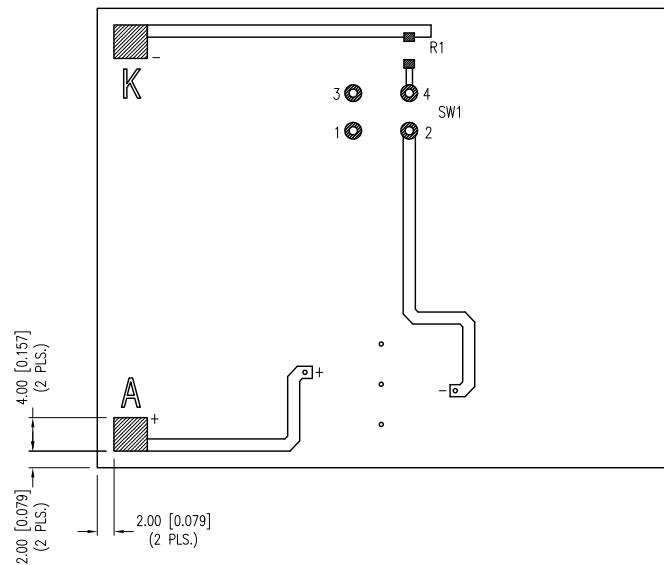
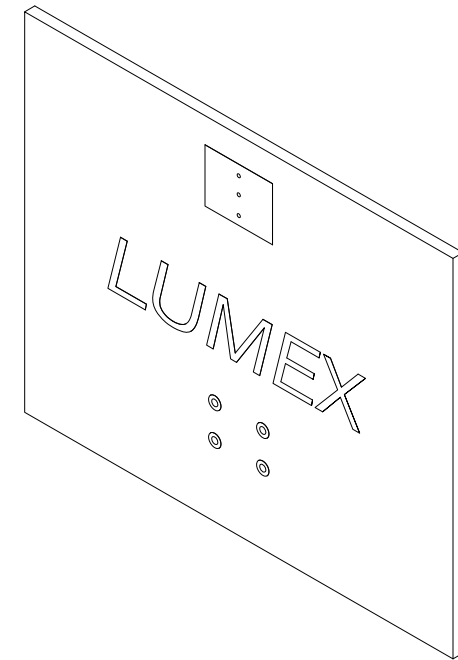
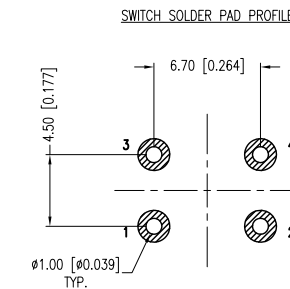
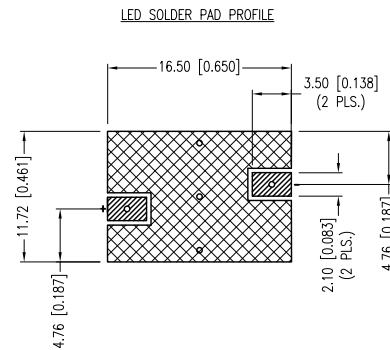
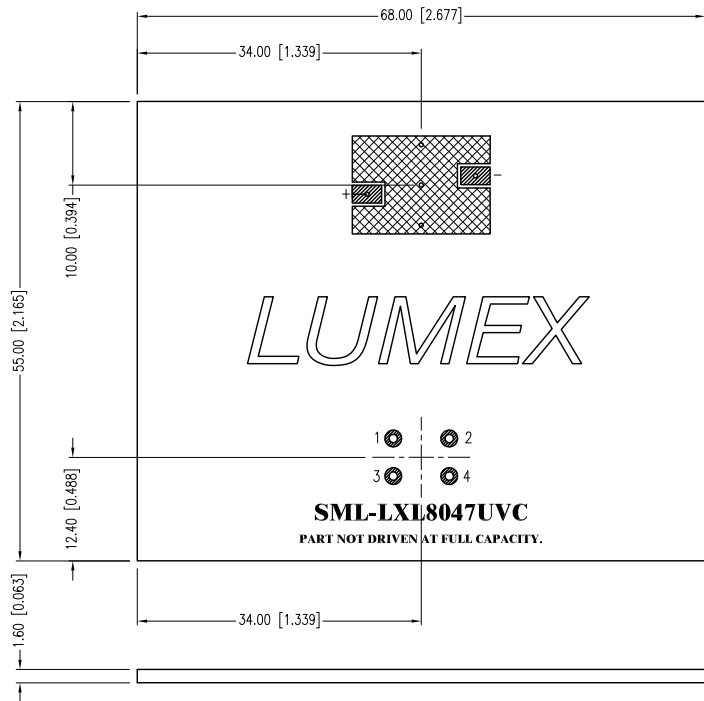
CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

BILL OF MATERIALS

NO.	DESCRIPTION	PART NUMBER	MANUFACTURER	QTY.
1	PCB	N/A		1
2	BATTERY HOLDER	12BH441/C-GR	EAGLE PLASTICS DEVICES	1
3	TACTILE SWITCH SPST NO	HP0215AFKP2-S	NKK SWITCHES	1
4	2W ROUND TOP DOME UV PURPLE	SML-LXL8047UVC	LUMEX	1
5	RESISTOR 10 OHM 1W 5% 2512 SMD	RMCF2512JT10R0	STACKPOLE ELECTRONICS	1

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= ± 1 (± 0.039), X.X= ± 0.5 (± 0.020), X.XX= ± 0.25 (± 0.010), X.XXX= ± 0.127 (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $^{+0.00}_{-0.00}$ DECIMAL PRECISION MAX= $^{+0.00}_{-0.00}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= +DECIMAL PRECISION -0.00

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