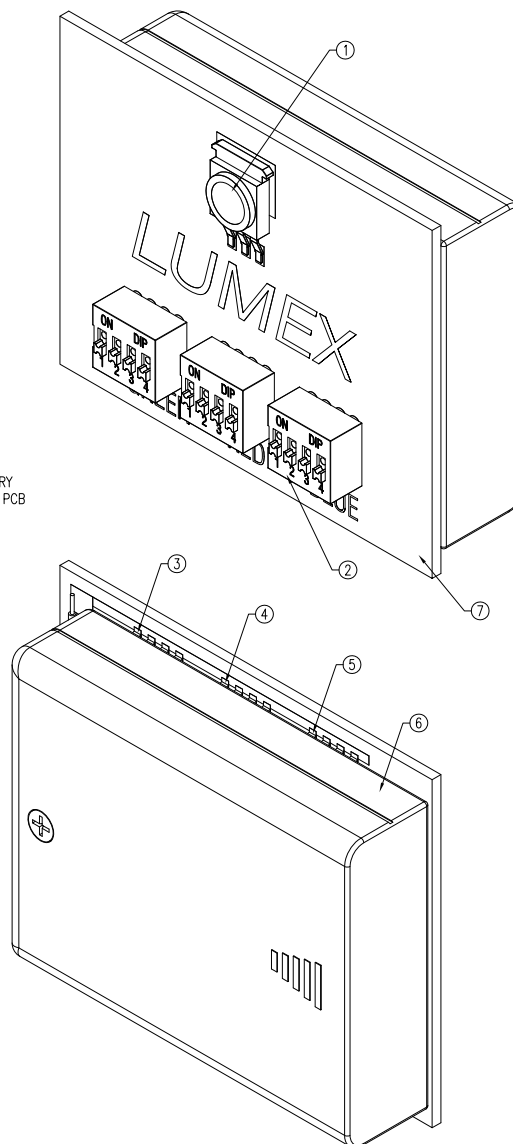
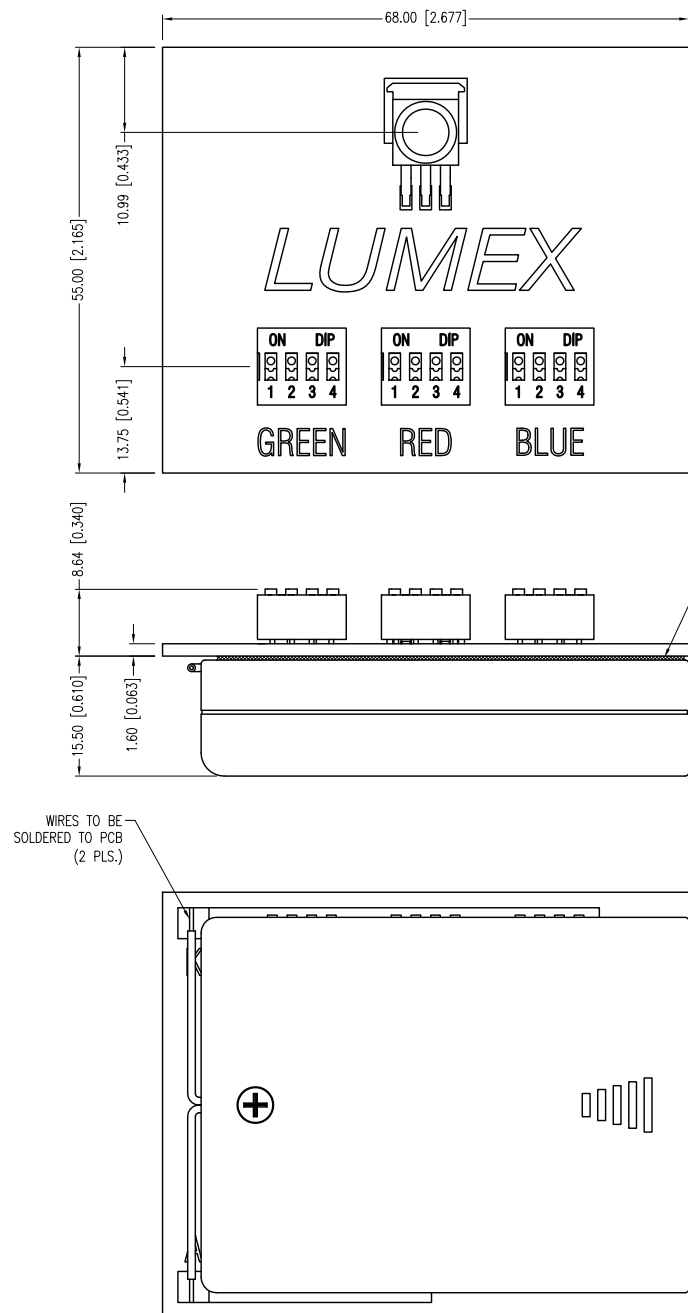


ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$

PARAMETER	RED	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	626	525	470	nm	
FORWARD VOLTAGE (TYP)	2.1	3.5	3.5	Vf	
FORWARD VOLTAGE (MAX)	2.79	3.99	3.99	Vf	
TEST CONDITION	If=300mA	If=350mA	If=350mA		
REVERSE VOLTAGE	5.0	5.0	5.0	Vr	Ir=100 μ A
TOTAL FLUX	25	25	8	lm	
VIEWING ANGLE	110	110	110	2x theta	
EMITTED COLOR:	RED/GREEN/BLUE				
LENS FINISH:	WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/G/B)	350/500/500	mA
STEADY CURRENT (R/G/B)	300/350/350	mA
POWER DISSIPATION	3.5	mW
OPERATING TEMP.	-30 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

* t<10 μ s

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

BILL OF MATERIALS		
NO.	DESCRIPTION	QTY.
1	LUMEX SML-LX1610RGBW/A	1
2	E-SWITCH KAS1104E	3
3	0805 200 Ω RESISTOR (BLUE)	4
4	0805 120 Ω RESISTOR (RED)	4
5	0805 150 Ω RESISTOR (GREEN)	4
6	EAGLE PLASTICS DEVICES 12BH441/C-GR BATTERY PACK	1
7	BLACK PCB, WHITE LETTERS	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= ^{+DECIMAL PRECISION} _{-0.00} MAX= ^{+0.00} _{-DECIMAL PRECISION}

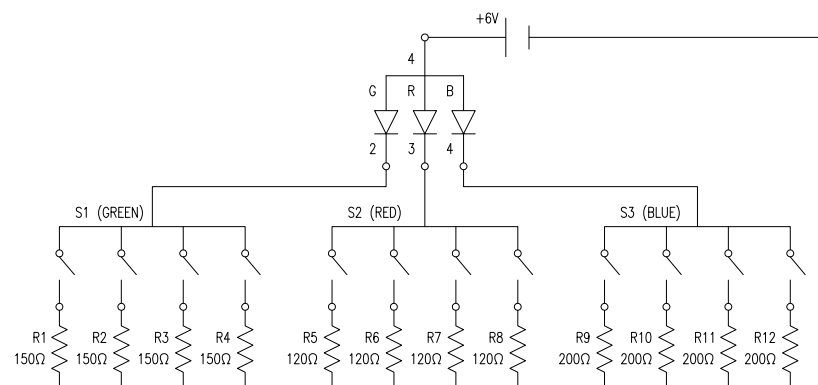
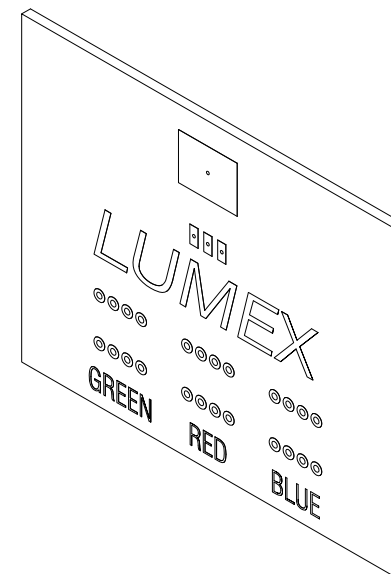
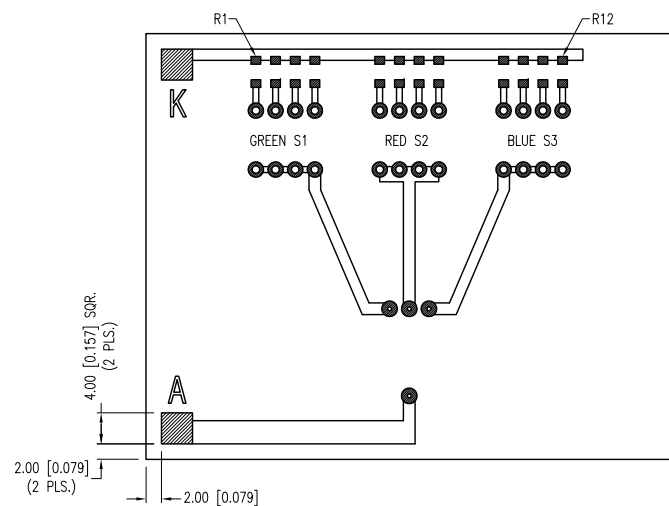
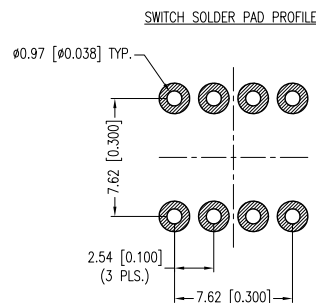
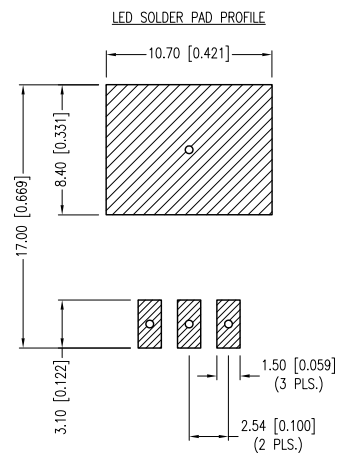
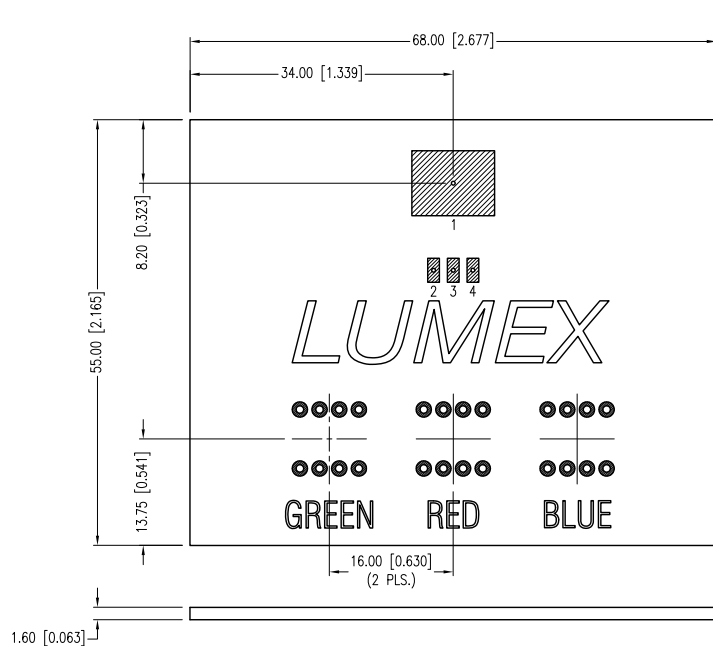
UNCONTROLLED DOCUMENT

CUSTOM RGB DEMO KIT.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL
KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	10.10.12	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	SS
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓢ



*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.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT