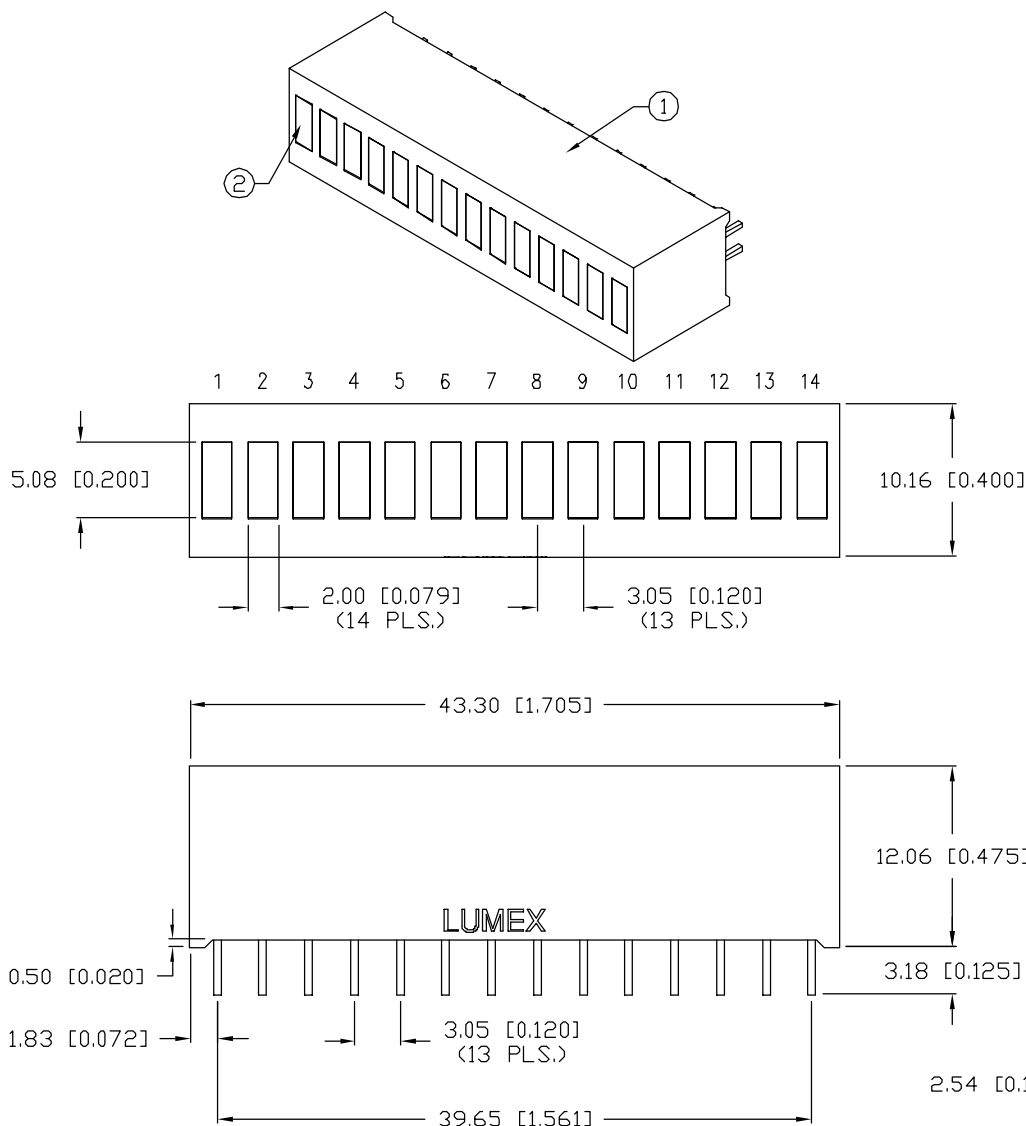


UNCONTROLLED DOCUMENT



PART NUMBER		REV.
SSA-LXB140SG13SR1D		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10363.	6.10.96
B	E.C.N. #10BRDR. & REDRAWN.	6.11.01

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	GREEN	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	660	nm	
FORWARD VOLTAGE (TYP.)	2.1	1.7	V_f	
FORWARD VOLTAGE (MAX.)	2.5	2.1	V_f	
REVERSE VOLTAGE	5.0	4.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	20	50	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	110	110	2x theta	
LED POSITION:	1~13	14		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G)	25/30	mA
POWER DISSIPATION	(R/G)	105/100	mW
DERATE FROM 25°C		-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.		+260	$^{\circ}\text{C}$
2.0mm FROM BODY			3 SEC. MAX

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

NOTES:

- SSH-LXB140 HOLDER, BLACK ABS.
- SSL-LX2573SGD, LED. (13 PCS.)
- SSL-LX2573SRD, LED. (1 PC.)

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*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

REV.	PART NUMBER
B	SSA-LXB140SG13SR1D

14 LED ARRAY, 2mm x 5mm RECTANGULAR,
SUPER GREEN/SUPER RED LEDS, COLOR DIFFUSED.

CONFIDENTIAL INFORMATION
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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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CT			4.1.96
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			SCALE: N/A