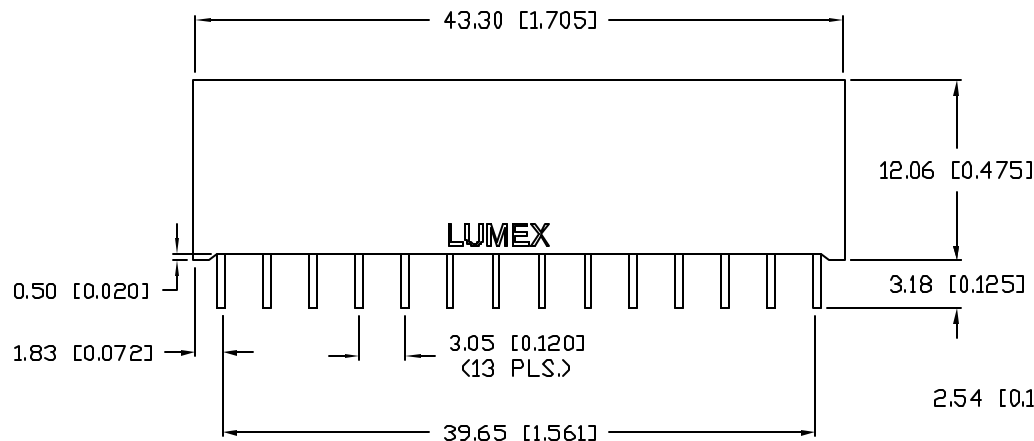
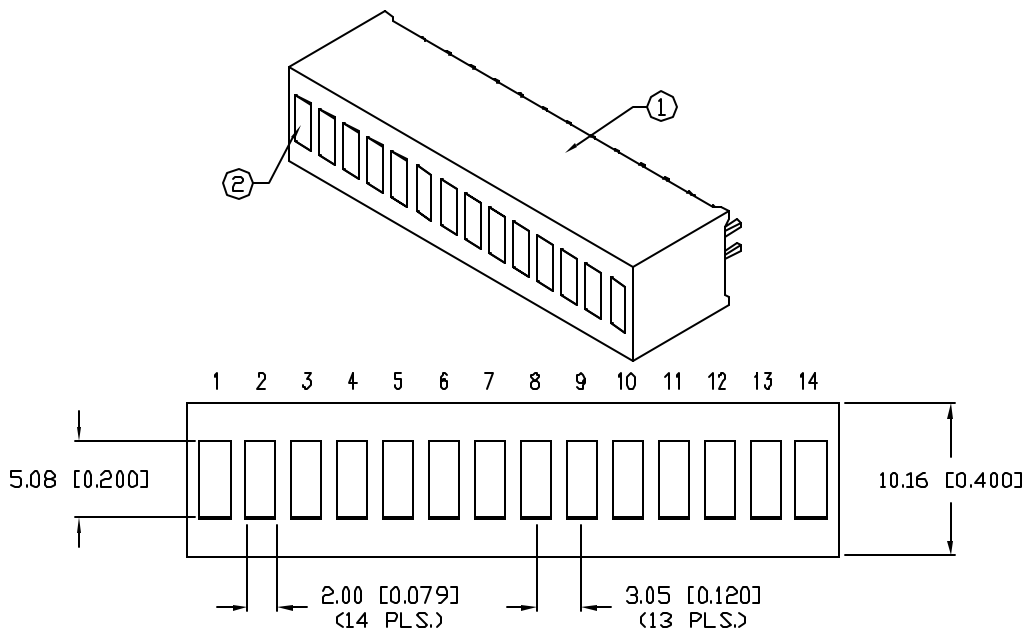


UNCONTROLLED DOCUMENT



PART NUMBER		REV.
SSA-LXB140SI10SU4D		
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE

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

PARAMETER	RED	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	638	574	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.2	V_f	
FORWARD VOLTAGE (MAX.)	2.5	2.6	V_f	
REVERSE VOLTAGE	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	160	30	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	110	110	$2\times$ theta	
LED POSITION:	1~10	11~14		
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)	30/25	mA
POWER DISSIPATION		75	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-LX2573SUGD, LED. (4 PCS.)
- SSL-LX2573SID, LED. (10 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. = -0.00, MAX. = +0.00

REV.

PART NUMBER

SSA-LXB140SI10SU4D

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

DRAWN BY:

JC

CHECKED BY:

APPROVED BY:

DATE: 11.21.06

PAGE: 1 OF 1

SCALE: N/A