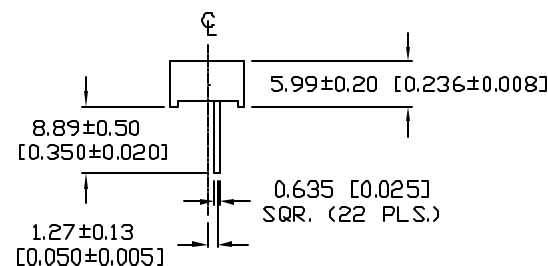
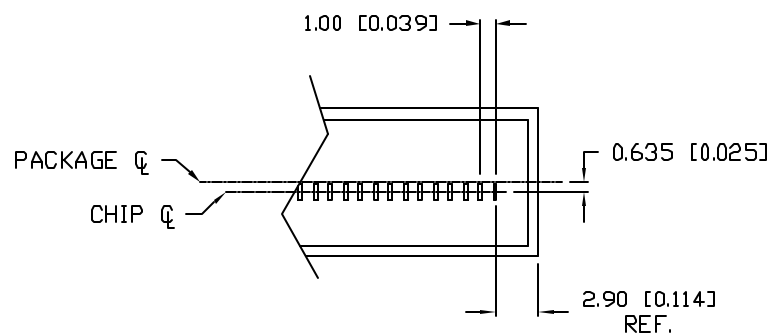
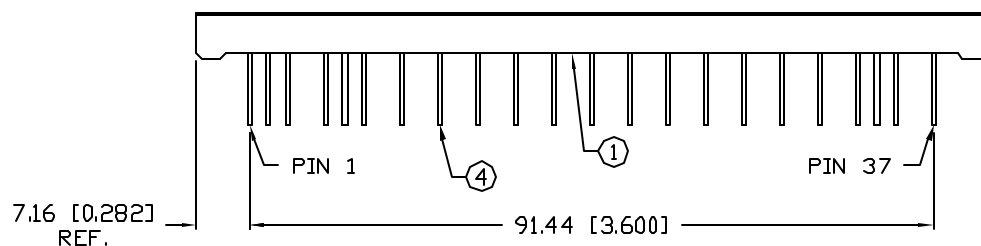
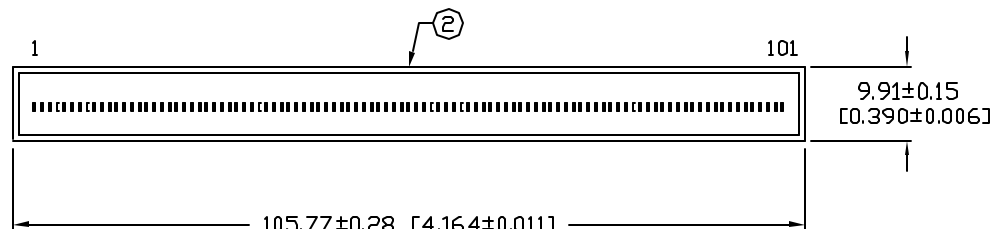


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSA-LXB8845-42352		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10588.	1-25-00
B	E.C.N. #10828. & #10BRDR.	1.23.02
C	E.C.N. #10846.	3.25.02



NOTES:

1. 37 PIN LOCATIONS ON 2.54 [0.100] CENTERS.
2. 0.25 [0.010] x 0.75 [0.030] RAILED EDGE.
3. NO PIN LOCATION 4, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 36.
4. PINS TO BE GOLD PLATED.
5. TOLERANCES ARE NON-ACCUMULATED ON 101 LEDS.

*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010). LEAD LENGTH=±0.75 (±0.030), MIN.= +DECIMAL PRECISION -0.00, MAX.= +0.00 -DECIMAL PRECISION

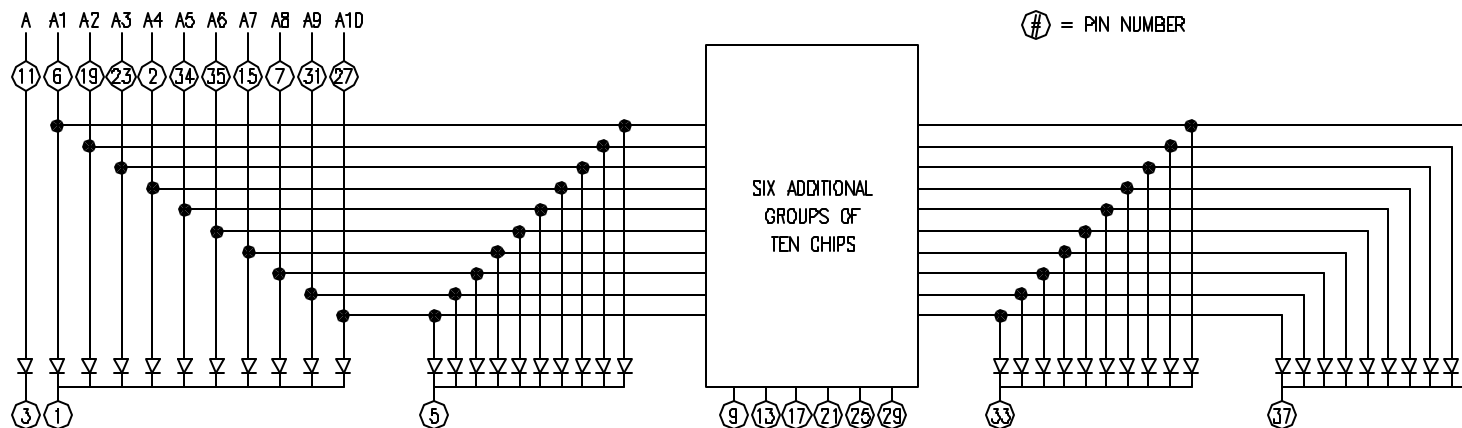
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REV. C	PART NUMBER SSA-LXB8845-42352	CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. 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.	 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
101 ELEMENT BAR GRAPH ARRAY, 21 635nm RED CHIPS, 80 565nm GREEN CHIPS.		DRAWN BY: CT	CHECKED BY: APPROVED BY: DATE: 11.12.99 PAGE: 1 OF 2 SCALE: N/A

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PART NUMBER
SSA-LXB8845-42352REV.
CREV. E.C.N. NUMBER AND REVISION COMMENTS
SEE PAGE 1.

DATE

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

PARAMETER	RED	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	635	565	nm	
FORWARD VOLTAGE (TYP.)	2.3	2.3	nm	
FORWARD VOLTAGE (MAX.)	3.1	3.1	V _f	
REVERSE VOLTAGE	5.0	5.0	V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	60	60	mcd	$I_f=20\text{mA}$
LED POSITION:	1~21	22~101		
EPOXY LENS FINISH:	WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT		5	mA
POWER DISSIPATION		0.15	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY		3 SEC. MAX	

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

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*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.030), XX=±0.5 (±0.020), XXX=±0.25 (±0.010). LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.

C

PART NUMBER

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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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DRAWN BY:

CT

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DATE: 11.12.99

PAGE: 2 OF 2

SCALE: N/A