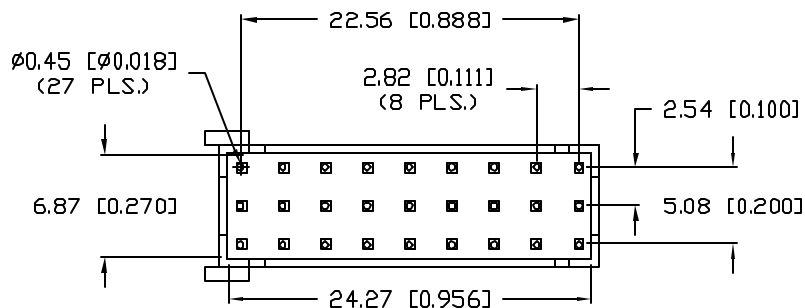
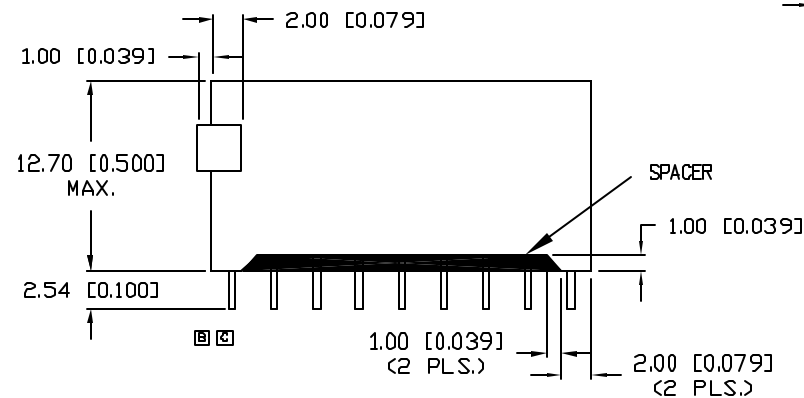
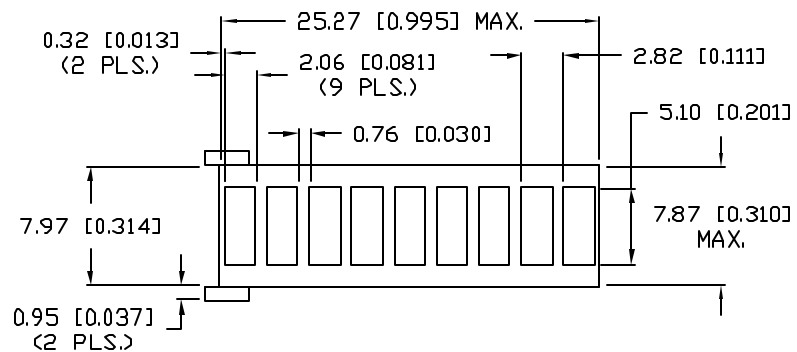
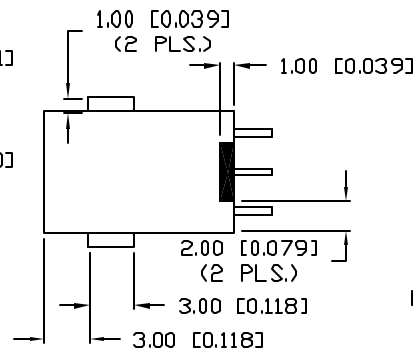


UNCONTROLLED DOCUMENT



UNDER REVISION



NOTES:

1. PARTS TO BE MARKED WITH LUMEX PART NUMBER AND BIN CODE.
2. PARTS TO BE SUPPLIED IN ANTISTATIC TUBES.
3. ONE BIN CODE PER TUBE.
4. 18 PCS OR LESS PER TUBE

*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

SC:0.50

PART NUMBER

SSA-LXB09PGIW-3

REV.

C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN IN 3D.	4.21.99
B	E.C.N. #10560.	10.14.99
C	E.C.N. #10672.	10.24.00

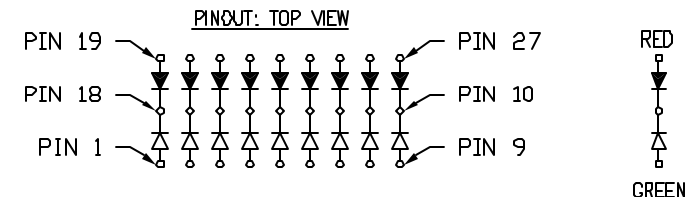
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		555 (GREEN)		nm	
		635 (RED)		nm	
FORWARD VOLTAGE (PG/R)		2.1/2.0	2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	* SEE CHART BELOW *			μcd	$I_f=10\text{mA}$
EMITTED COLOR:	PURE GREEN/RED				
FACE COLOR:	BLACK				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

GREEN BIN CODE	D	E	F	RED BIN CODE	G	H	K
RANGE (μcd)	900~ 1300	1301~ 1800	1801~ 2500	RANGE (μcd)	2501~ 3500	3501~ 4725	4726~ 6100

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(PG/R)	25/30	mA
POWER DISSIPATION		105	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

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

UNCONTROLLED DOCUMENT

REV.

C

PART NUMBER

SSA-LXB09PGIW-3

9 UNIT LED ARRAY, PURE GREEN/RED BICOLOR, BLACK FACE,
MILKY WHITE DIFFUSED EPOXY, COMMON CATHODE.

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

KS/BC

CHECKED BY:

APPROVED BY:

DATE: 1.22.99

PAGE: 1 OF 1

SCALE: N/A