

UNCONTROLLED DOCUMENT

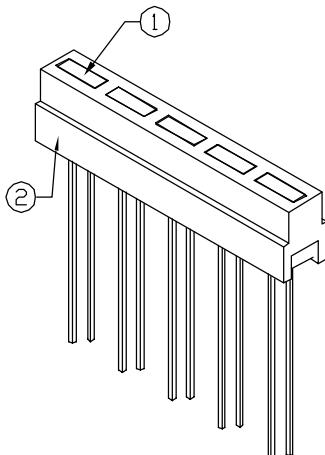
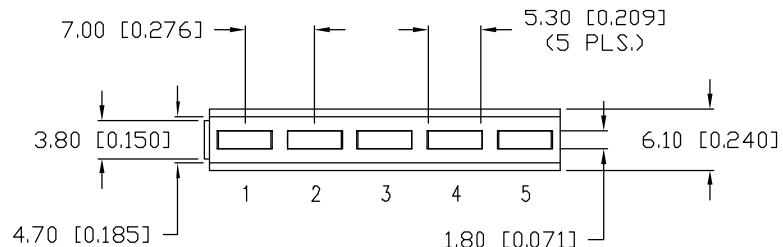
PART NUMBER

SSA-LXB525-Y1G3|1D

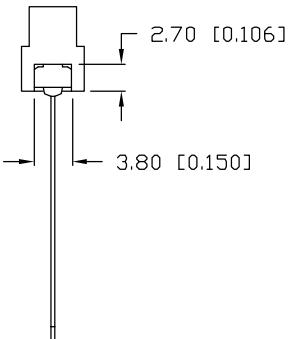
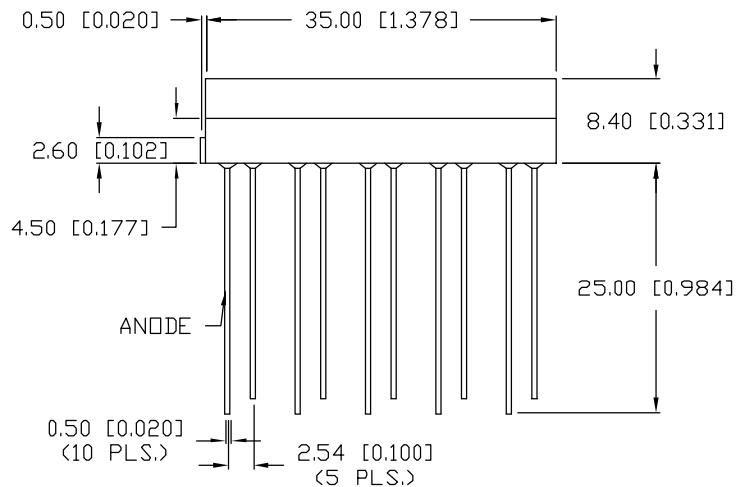
REV.

A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	6.4.01



ELECTRO-OPTICAL CHARACTERISTICS TA=25°C			I _f =20mA		
PARAMETER	YELLOW	GREEN	RED	UNITS	TEST COND
PEAK WAVELENGTH	585	565	635	nm	
FORWARD VOLTAGE (TYP.)	2.1	2.2	2.0	nm	
FORWARD VOLTAGE (MAX.)	2.5	2.6	2.5	V _f	
REVERSE VOLTAGE	5.0	5.0	5.0	V _r	I _r =100µA
AXIAL INTENSITY	10	10	15	mcd	I _f =20mA
VIEWING ANGLE	110	110	110	2x theta	
LED POSITION:	1	2~4	5		
EPOXY LENS FINISH:	DIFFUSED	SAME	AS EMITTED	COLOR	



LIMITS OF SAFE OPERATION AT 25°C PER CHIP			
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(Y/G/R)	30/25/30	mA
POWER DISSIPATION		105	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

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

NOTES:

1. SSL-LX2583YD, LED, (1 PC.)
SSL-LX2583GD, LED, (3 PCS.)
SSL-LX2583ID, LED, (1 PC.)
2. SSH-LXH525, HOLDER.
3. BACKFILL BOTTOM OF HOLDER WITH U.V. GLUE TO SECURE LEDS.

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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 +DECIMAL PRECISION -DFCMAL PRECISION

REV. A	PART NUMBER SSA-LXB525-Y1G3I1D	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.	 INC.	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
	1.8mm x 5.3mm 5 UNIT LED ARRAY, POS.1: YELLOW, POS.2~4: GREEN, POS.5: RED, COLOR DIFFUSED PER POSITION.	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.	DRAWN BY: CT	CHECKED BY: APPROVED BY: DATE: 3.27.98 PAGE: 1 OF 1 SCALE: N/A

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