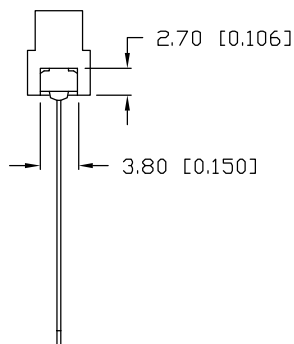
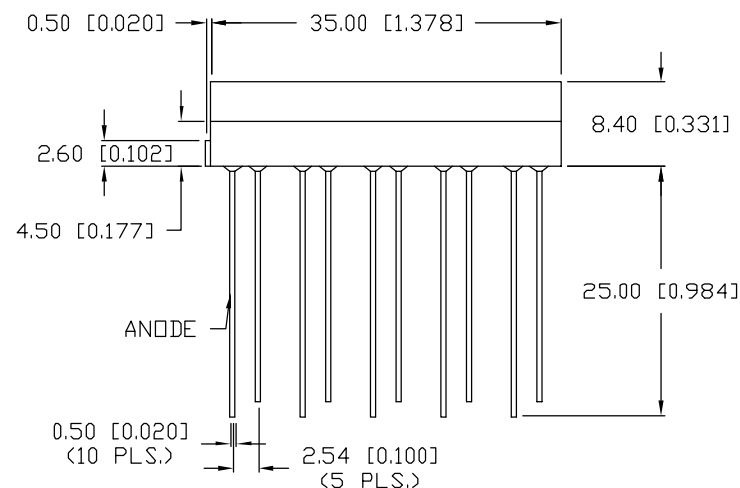
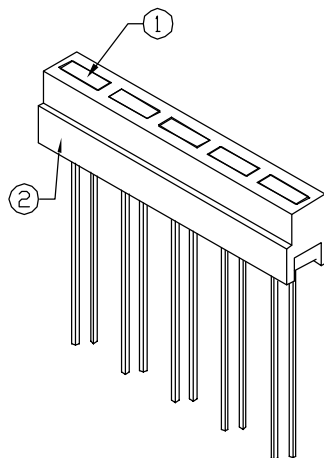
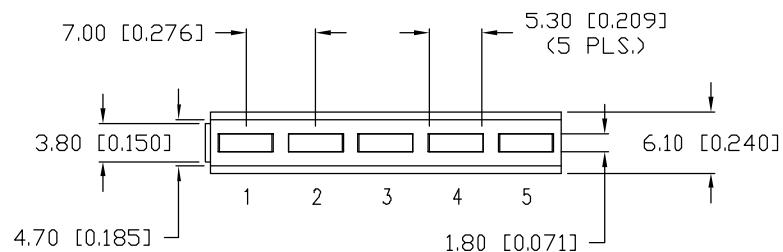


UNCONTROLLED DOCUMENT



PART NUMBER		REV.
SSA-LXB525-Y1G3I1D		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	6.4.01

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

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 <sub>f</sub>	
REVERSE VOLTAGE	5.0	5.0	5.0	V <sub>r</sub>	I <sub>r</sub> =100 $\mu$ A
AXIAL INTENSITY	10	10	15	mcd	I <sub>f</sub> =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= +DECIMAL PRECISION MAX= +0.00 -0.00 -DECIMAL PRECISION

REV.

A

PART NUMBER

SSA-LXB525-Y1G3I1D

1.8mm x 5.3mm 5 UNIT LED ARRAY,  
POS.1: YELLOW, POS.2~4: GREEN, POS.5: RED,  
COLOR DIFFUSED PER POSITION.

## 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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SCALE: N/A

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