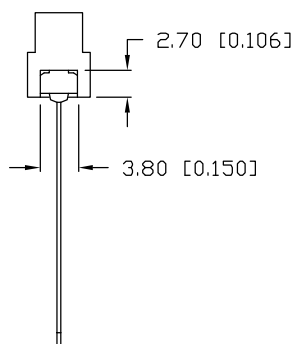
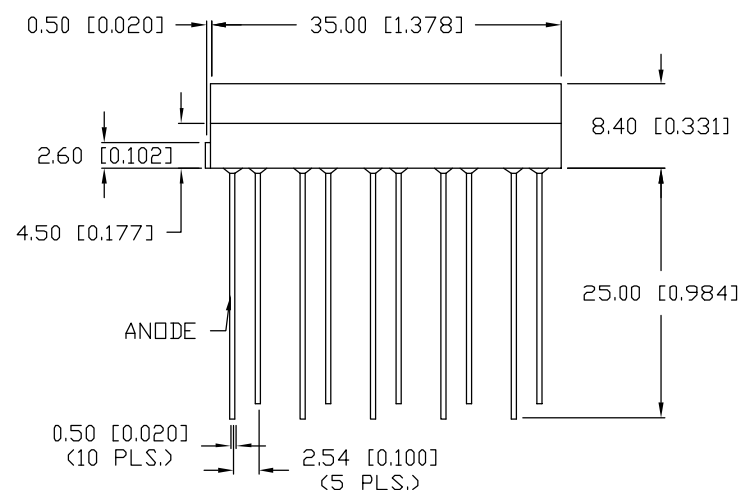
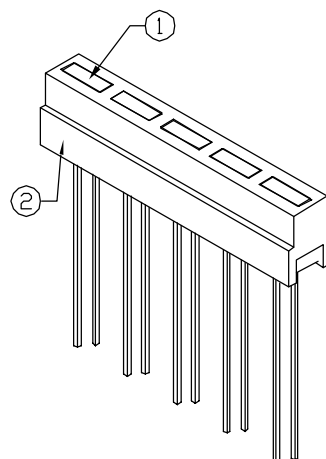
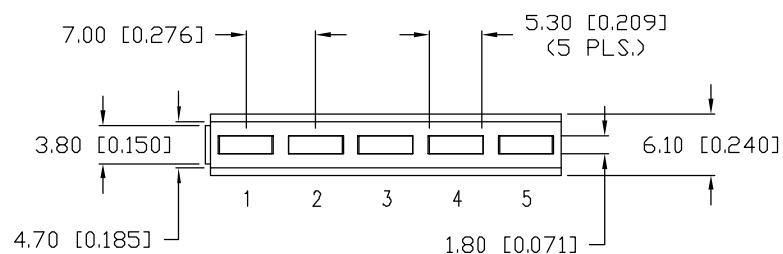


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PART NUMBER  
SSA-LXB525GD

REV.

D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN. ADDED B.O.M.	11.25.92
B	REDRAWN. UPDATED SPECS.	5.22.95
C	E.C.N. #10210.	7.17.96
D	E.C.N. #10BRDR. & REDRAWN.	6.4.01

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-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:

- SSL-LX2583GD, LED. (5 PCS.)
- SSH-LXH525, HOLDER.
- 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.

D

PART NUMBER

SSA-LXB525GD

1.8mm x 5.3mm 5 UNIT LED ARRAY,  
565nm GREEN LEDS, GREEN DIFFUSED LENS.

## 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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DATE: 6.27.90

PAGE: 1 OF 1

SCALE: N/A