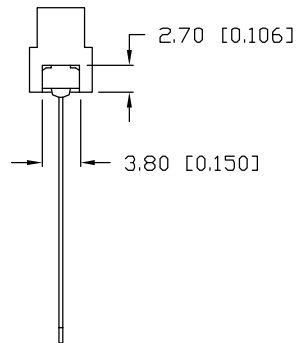
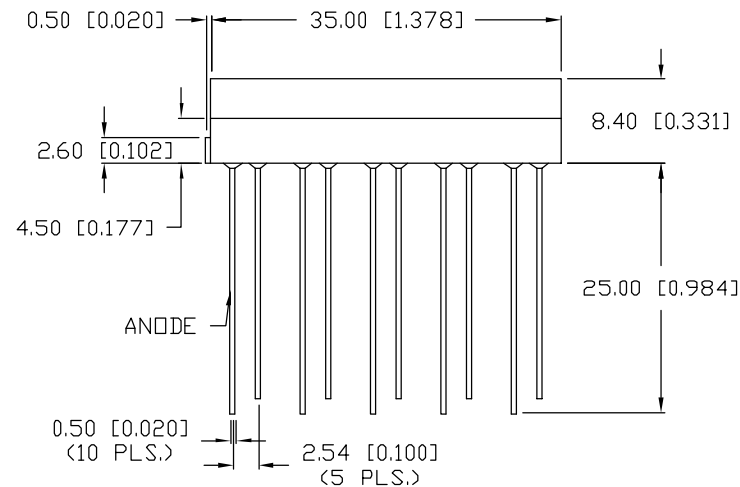
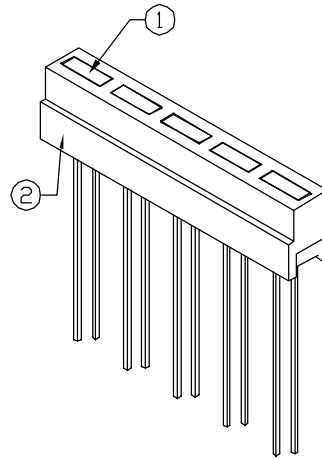
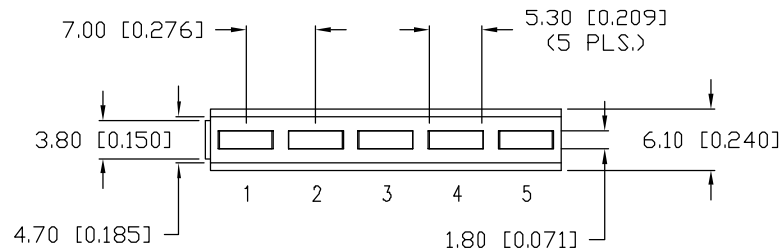


UNCONTROLLED DOCUMENT

PART NUMBER  
SSA-LXB525GDREV.  
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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PAGE: 1 OF 1

SCALE: N/A

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