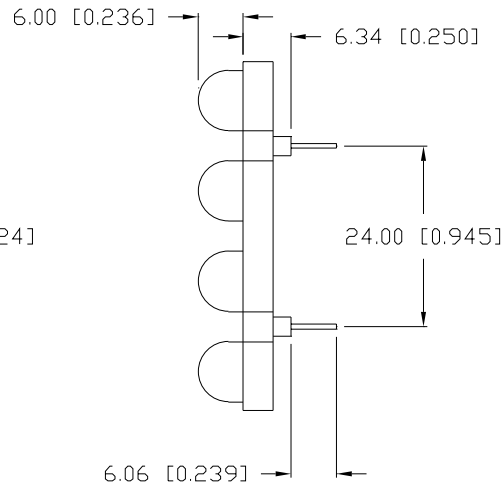
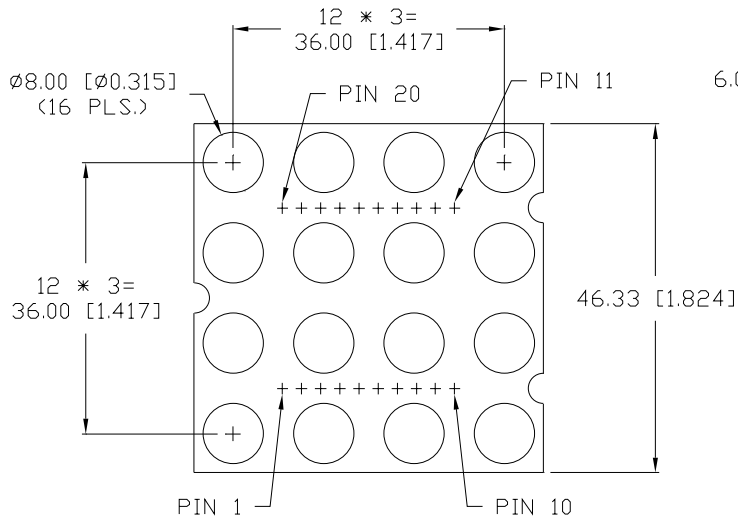


| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | E.C.N. #10582..                     | 1-21-00 |



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

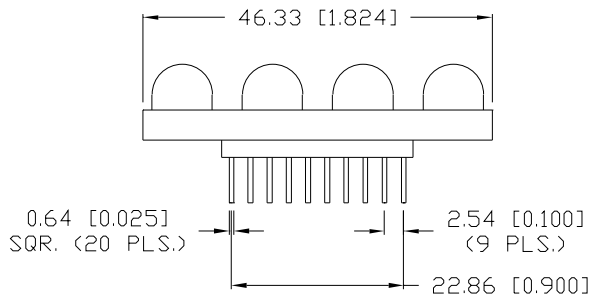
| PARAMETER          | MIN         | TYP  | MAX | UNITS    | TEST COND            |
|--------------------|-------------|------|-----|----------|----------------------|
| PEAK WAVELENGTH    |             | 660  |     | nm       |                      |
| FORWARD VOLTAGE    |             | 1.8  | 2.3 | $V_f$    |                      |
| REVERSE VOLTAGE    | 4.0         |      |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY**  |             | 2000 |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |             | 30   |     | 2x theta |                      |
| EMITTED COLOR:     | SUPER RED   |      |     |          |                      |
| EPOXY LENS FINISH: | WATER CLEAR |      |     |          |                      |

\*\* INTENSITY PER DIE.

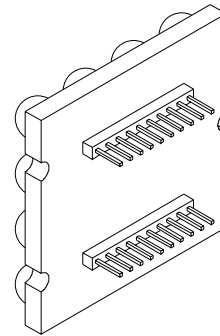
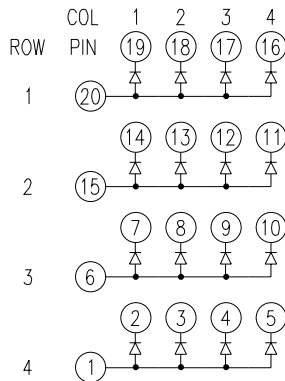
LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 150        | mA         |
| STEADY CURRENT           | 30         | mA         |
| POWER DISSIPATION        | 100        | mW         |
| DERATE FROM 25°C         | -1.2       | mW/°C      |
| OPERATING, STORAGE TEMP. | -30 TO +70 | °C         |
| SOLDERING TEMP.          | +260       | °C         |
| 2.0mm FROM BODY          |            | 3 SEC. MAX |

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



COMMON ANODE ROWS



\*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010). LEAD LENGTH=±0.75 (±0.030), MIN.= +DECIMAL PRECISION -0.00, MAX.= +0.00 -DECIMAL PRECISION

| REV. | PART NUMBER    |
|------|----------------|
| A    | SSP-LXS182616A |

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1.82" SQUARE, 16 LED CLUSTER, 660nm SUPER RED LEDES,  
WATER CLEAR LENS, COMMON ANODE ROWS.

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:<br>BC | CHECKED BY: | APPROVED BY: | DATE: 9-21-99 |
|                 |             |              | PAGE: 1 OF 1  |
|                 |             |              | SCALE: N/A    |