

DATE

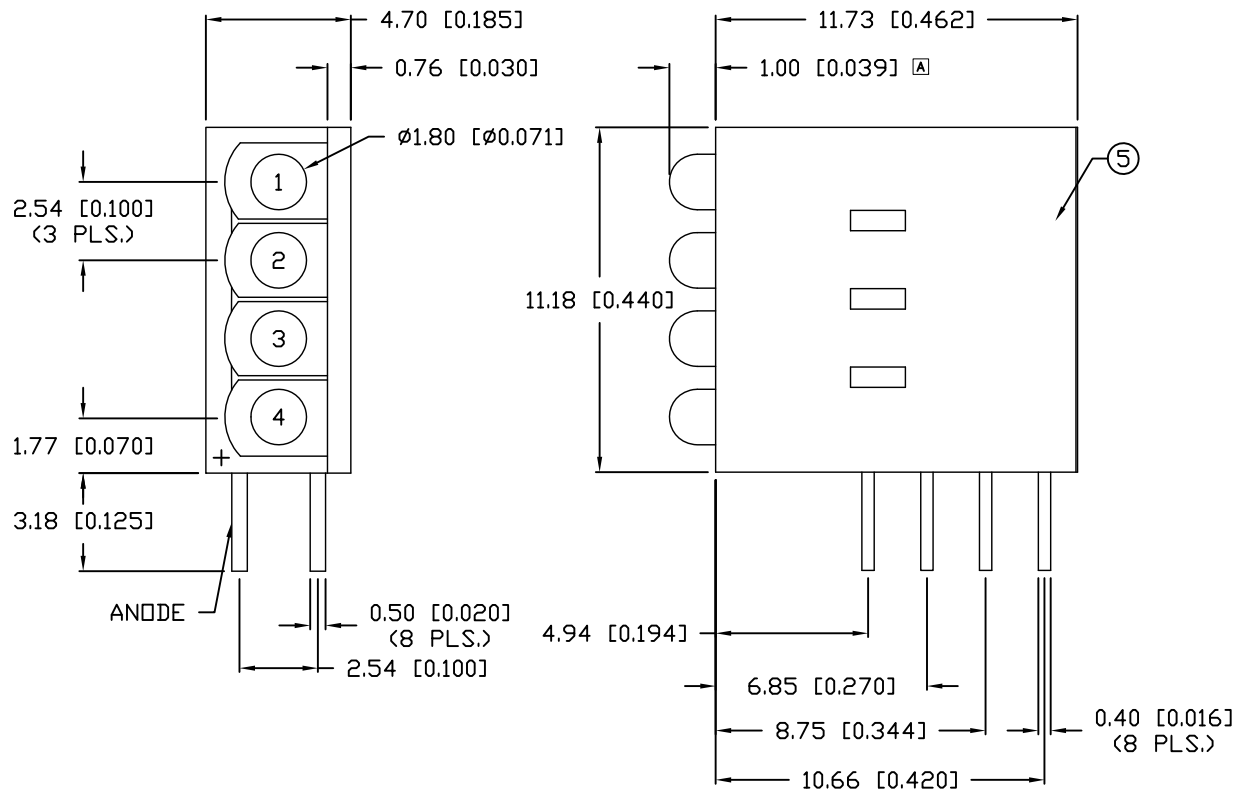
07.11.13

E.C.N. NUMBER AND REVISION COMMENTS

E.C.N. #11870.

REV.

A

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

| PARAMETER                                         | RED | YELLOW | GREEN | UNITS    | TEST COND            |
|---------------------------------------------------|-----|--------|-------|----------|----------------------|
| PEAK WAVELENGTH                                   | 635 | 585    | 565   | nm       |                      |
| FORWARD VOLTAGE (TYP.)                            | 2.0 | 2.1    | 2.2   | $V_f$    |                      |
| FORWARD VOLTAGE (MAX.)                            | 2.5 | 2.5    | 2.6   | $V_f$    |                      |
| REVERSE VOLTAGE                                   | 5.0 | 5.0    | 5.0   | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                   | 20  | 15     | 15    | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                     | 70  | 70     | 70    | 2x theta |                      |
| LED POSITION:                                     | 1,4 | 2      | 3     |          |                      |
| EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR |     |        |       |          |                      |

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

| PARAMETER                      | COLORS  | MAX        | UNITS                |
|--------------------------------|---------|------------|----------------------|
| PEAK FORWARD CURRENT*          |         | 150        | mA                   |
| STEADY CURRENT                 | (R/Y/G) | 30/30/25   | mA                   |
| POWER DISSIPATION              |         | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$ |         | -1.6       | 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 |                      |

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

## B.O.M.:

1. SSL-LX20333ID LED.
2. SSL-LX20333YD LED.
3. SSL-LX20333GD LED.
4. SSL-LX20333ID LED.
5. SSH-LXH5147 HOLDER, BLACK.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.

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PART NUMBER

SSF-LXH5147IYGID

## 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.

**LUMEX**  
INCORPORATED

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T-1.8mm LED, RIGHT ANGLE QUAD TOWER FAULT INDICATOR,  
RED/YELLOW/GREEN/RED DIFFUSED.

DRAWN BY:

SK

CHECKED BY:

DT

APPROVED BY:

DT

DATE: 4-28-00

PAGE: 1 OF 1

SCALE: N/A