

UNCONTROLLED DOCUMENT

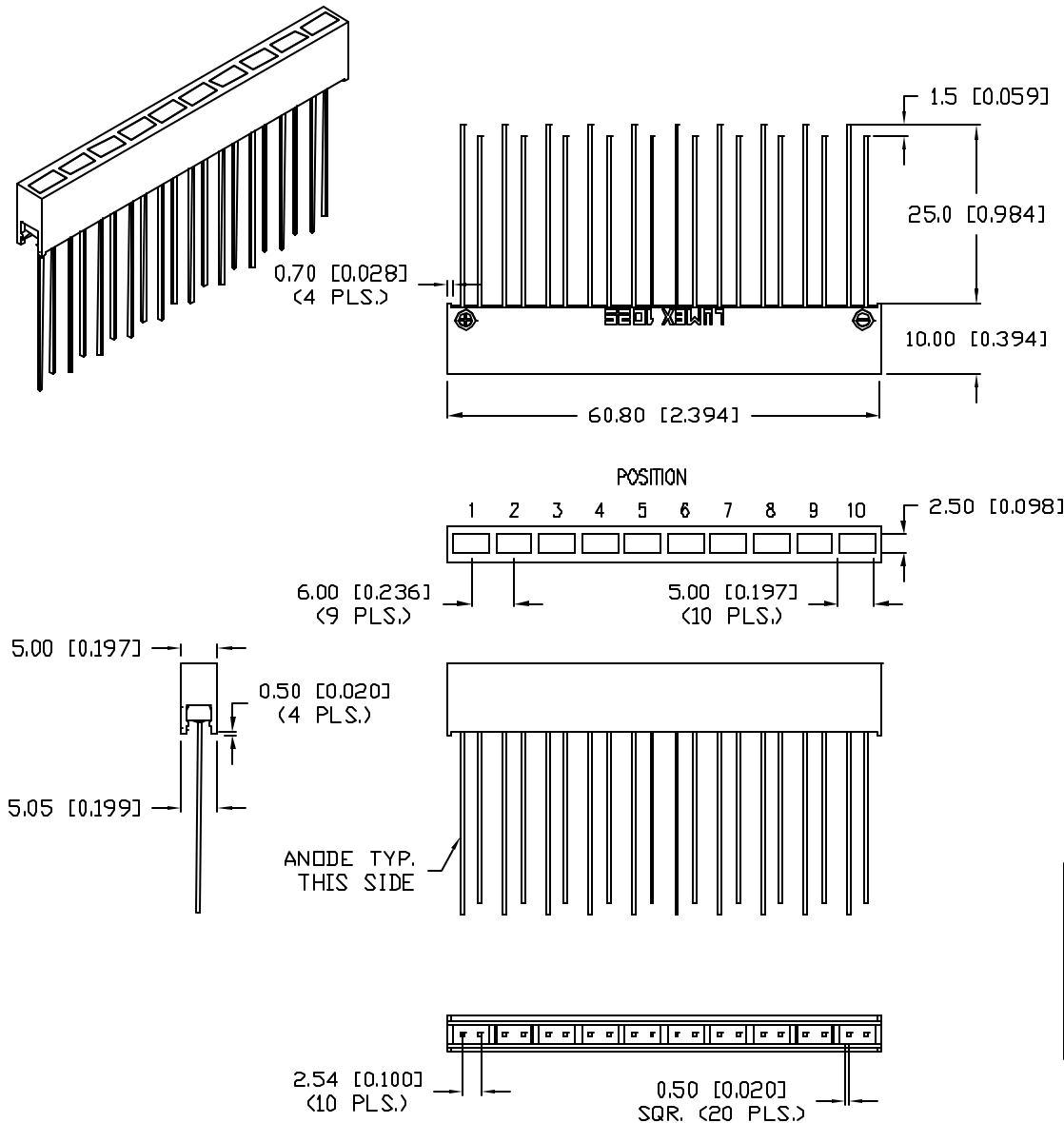
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PART NUMBER

REV.

SSA-LXH1025-Q39041

PRELIMINARY IN P/N DIR

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $V_f=12\text{V}$ 

| PARAMETER                                         | GREEN | YELLOW | RED | UNITS          | TEST COND            |
|---------------------------------------------------|-------|--------|-----|----------------|----------------------|
| PEAK WAVELENGTH                                   | 565   | 585    | 635 | nm             |                      |
| FORWARD VOLTAGE (TYP.)                            | 12    | 12     | 12  | V <sub>f</sub> |                      |
| FORWARD VOLTAGE (MAX.)                            | 14    | 14     | 14  | V <sub>f</sub> |                      |
| REVERSE VOLTAGE                                   | 5.0   | 5.0    | 5.0 | V <sub>r</sub> | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                   | 10    | 10     | 15  | mcd            | $V_f=12\text{V}$     |
| VIEWING ANGLE                                     | 60    | 60     | 60  | 2x theta       |                      |
| LED POSITION:                                     | 1-8   | 9      | 10  |                |                      |
| EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR |       |        |     |                |                      |

LIMITS OF SAFE OPERATION AT 25°C PER LED

| PARAMETER                | COLORS  | MAX        | UNITS      |
|--------------------------|---------|------------|------------|
| FORWARD VOLTAGE          | (G/Y/R) | 14         | V          |
| STEADY CURRENT           | (G/Y/R) | 12         | mA         |
| POWER DISSIPATION        |         | 350        | mW         |
| DERATE FROM 25°C         | (G/Y/R) | -1.2       | mW/°C      |
| OPERATING, STORAGE TEMP. |         | -40 TO +85 | °C         |
| SOLDERING TEMP.          |         | +260       | °C         |
| 2.0mm FROM BODY          |         |            | 3 SEC. MAX |

## NOTES:

- SSH-LXH1025 HOLDER. MATERIAL: BLACK NYLON, UL V94-0.
- SSL-LX25583GD-12V LED (8 PCS). UNCUT LEADS.
- SSL-LX25583YD-12V LED (1 PC.). UNCUT LEADS.
- SSL-LX25583ID LED-12V (1 PC.). UNCUT LEADS.
- SORT LEDS FOR MATCHED INTENSITY PER. SPP 0202 (GREEN).



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

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## 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.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

DRAWN BY:

KS/BC

CHECKED BY:

APPROVED BY:

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PAGE: 1 OF 1

SCALE: N/A

10 UNIT LED ARRAY, 2.5mm X 5mm RECTANGULAR LEDS,  
POS. 1~8: 565nm GREEN, POS. 9: 585nm YELLOW,  
POS. 10: 635nm RED, DIFFUSED PER COLOR, UNCUT LEADS.