

DATE

REVISIONS

REV

DRAWING NUMBER  
SSA-LXB103-G9YD-BB

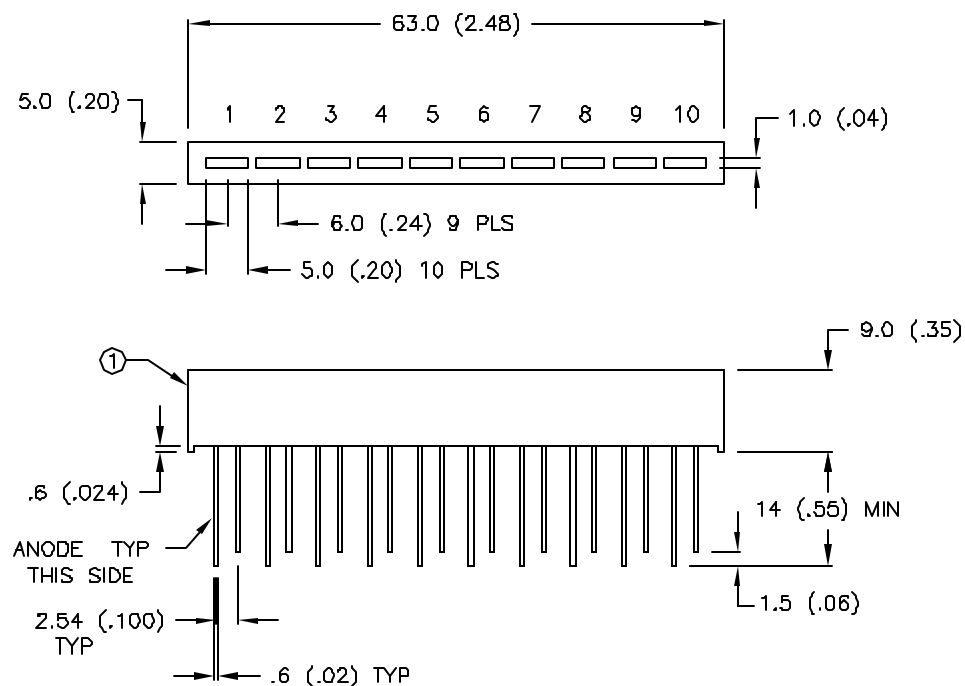
REV

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

| PARAMETER                        | GREEN                      | YELLOW | UNITS     |
|----------------------------------|----------------------------|--------|-----------|
| PEAK COLOR WAVELENGTH            | 565                        | 585    | nm        |
| FORWARD VOLTS (TYP)              | 2.2                        | 2.3    | $V_f$     |
| LIGHT OUTPUT (TYP)               | 3.0                        | 3.0    | mcd       |
| REVERSE VOLTS @100 $\mu\text{A}$ | 5.0                        | 5.0    | $V_r$ MIN |
| LED POSITION                     | 1-9                        | 10     |           |
| VIEWING ANGLE (TYP)              | 80                         | 80     | 2x theta  |
| EPOXY LENS FINISH                | POS 1-10, TINTED, DIFFUSED |        |           |

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

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 150        | mA                     |
| STEADY CURRENT (C/Y)             | 25/30      | mA                     |
| POWER DISSIPATION PER LED        | 105        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.2       | mW/ $^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP.         | -40 TO +85 | $^{\circ}\text{C}$     |
| LEAD SOLDERING TEMP.             | +260       | $^{\circ}\text{C}$     |
| 2.0mm FROM BODY                  |            | 3 SEC. MAX             |



## BILL OF MATERIALS:

- SSH-LXB103 HOLDER, BLACK.
- SSL-LX1583GD (9 PCS.)
- SSL-LX1583YD (1 PC.)



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DATE: 4-7-95

DWN:

CHK'D:

APPD:

SCALE: DO NOT SCALE DWG

10 LED ARRAY, 1mm x 5mm RECTANGULAR,  
9 GREEN 1 YELLOW DIFFUSED

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