

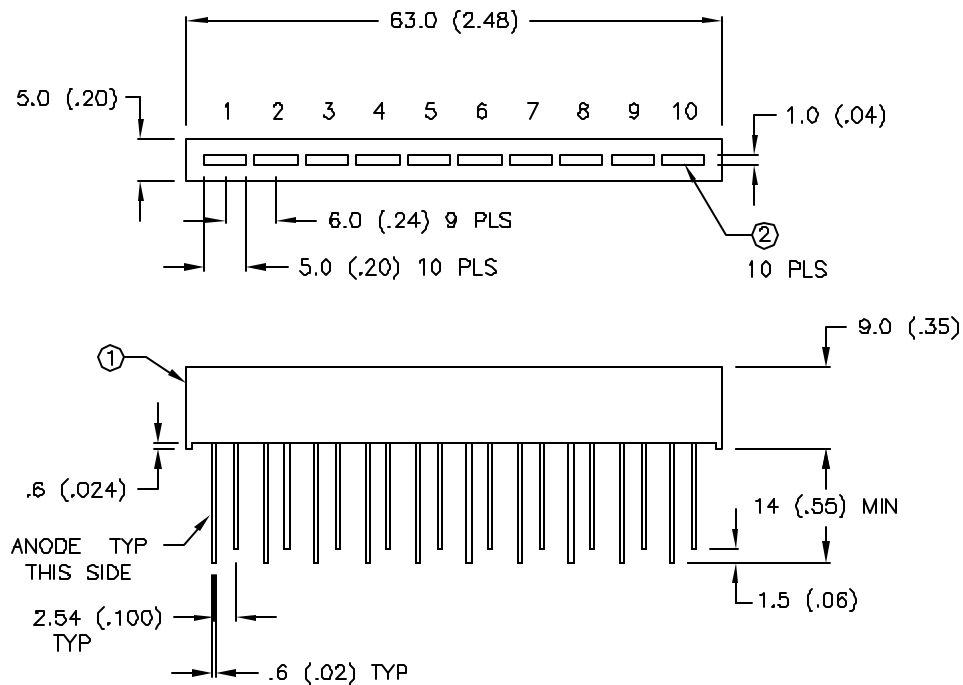
DATE

REVISIONS

REV

DRAWING NUMBER
SSA-LXB103Y9R1-BB

REV



BILL OF MATERIALS:

- SSH-LXB103 HOLDER, BLACK.
- SSL-LX1583 SERIES LED.

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

| PARAMETER | RED | YELLOW | UNITS |
|----------------------------------|----------------------------|--------|-----------|
| PEAK COLOR WAVELENGTH | 655 | 585 | nm |
| FORWARD VOLTS (TYP) | 1.7 | 2.3 | V_f |
| LIGHT OUTPUT (TYP) | 1.8 | 3.0 | mcd |
| REVERSE VOLTS @100 μA | 5.0 | 5.0 | V_r MIN |
| LED POSITION | 10 | 1-9 | |
| VIEWING ANGLE (TYP) | 80 | 80 | 2x theta |
| EPOXY LENS FINISH | POS 1-10, TINTED, DIFFUSED | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|---------------------------|-------------|------------|
| PEAK FORWARD CURRENT* | 155 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION PER LED | 110 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING, STORAGE TEMP. | -55 TO +100 | °C |
| LEAD SOLDERING TEMP. | +260 | °C |
| 1.6mm FROM BODY | | 5 SEC. MAX |



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DATE: 1-04-94

DWN:

CHK'D:

APPD:

SCALE: DO NOT SCALE DWG

10 LED ARRAY, 1mm x 5mm RECTANGULAR

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