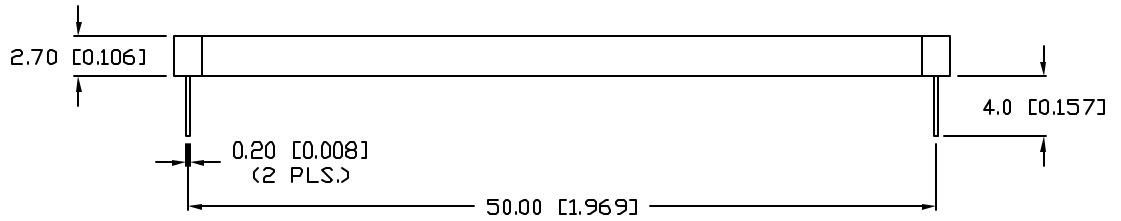
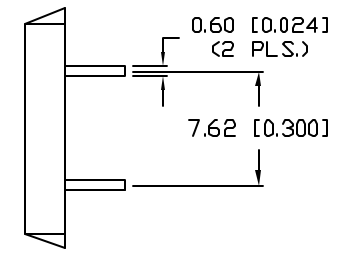
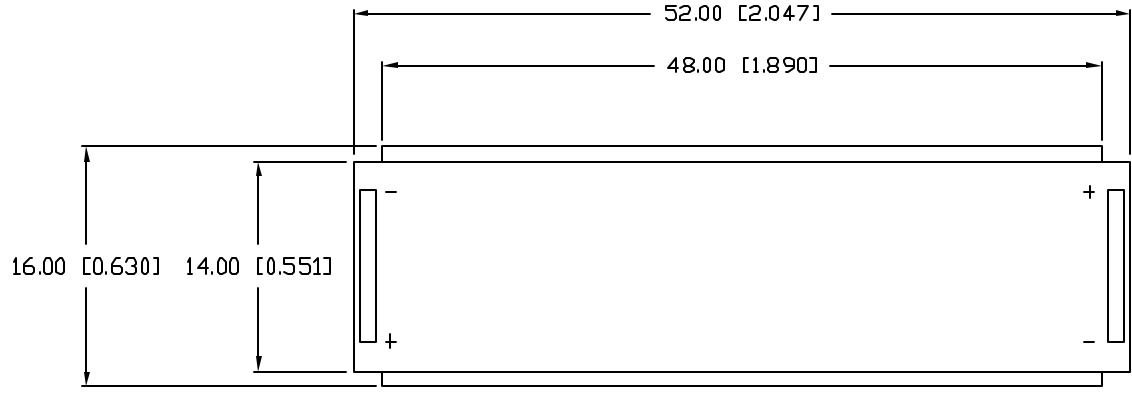


UNCONTROLLED DOCUMENT

| | | |
|----------------|-------------------------------------|---------|
| PART NUMBER | | REV. |
| SSB-DL5216USBC | | A |
| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
| A | E.C.N. #11148. | 5.11.07 |



NOTES:

1. SSB-LX02USBC, BLUE LEDS. (2 PCS.)
2. SSH-DL5216C ACRYLIC REFLECTOR.

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-------------|-----|-----|------------------------|----------------------|
| PEAK WAVELENGTH | | 470 | | nm | |
| FORWARD VOLTAGE | | 6.5 | 6.8 | V_f | |
| REVERSE VOLTAGE | 16 | | | V_r | $V_r=100\mu\text{A}$ |
| LUMINOUS INTENSITY | | 60 | | cd/m^2 | $I_f=10\text{ mA}$ |
| EMITTED COLOR: | BLUE | | | | |
| REFLECTOR FINISH: | CLEAR WHITE | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER LED


| PARAMETER | MAX | UNITS |
|----------------------------------|------------|------------------------------|
| PEAK FORWARD CURRENT* | 100 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 0.17 | W |
| DERATE FROM 25°C | -1.0 | $\text{mW}/^{\circ}\text{C}$ |
| OPERATING TEMP. | -20 TO +70 | $^{\circ}\text{C}$ |
| STORAGE TEMP. | -30 TO +80 | $^{\circ}\text{C}$ |
| SOLDERING TEMP. | +260 | $^{\circ}\text{C}$ |
| 2.0mm FROM BODY | 3 SEC. MAX | |

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



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*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}

| | | | | |
|--|-------------------------------|---|---|---|
| REV. A | PART NUMBER SSB-DL5216USBC | CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC, THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. |  | 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw |
| 52mm x 16mm LCD BACKLIGHT, DUAL SIDED, 470nm BLUE CHIPS, CLEAR WHITE REFLECTOR. | | 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: JC | CHECKED BY: |
| | | | APPROVED BY: | DATE: 1.21.03 PAGE: 1 OF 1 SCALE: N/A |