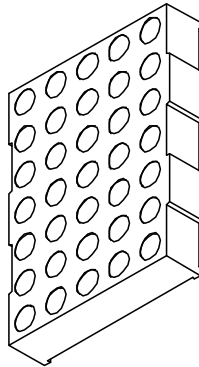
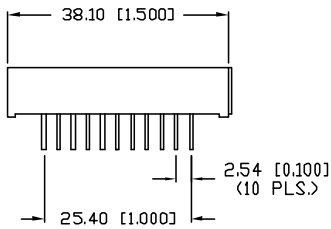
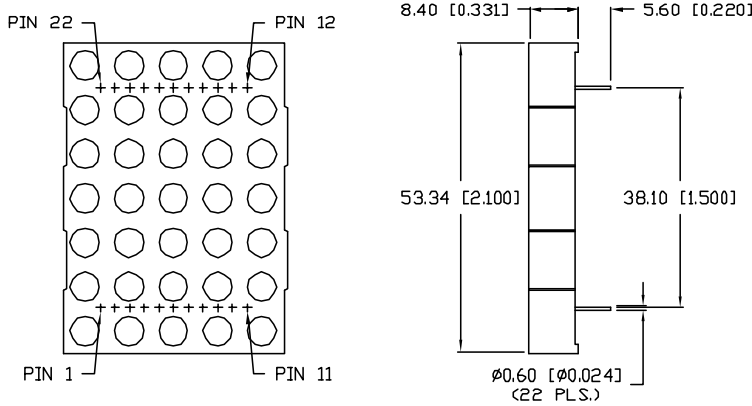


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|---------------|-------------------------------------|---------|
| PART NUMBER | | REV. |
| LDM-2124757NI | | A |
| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
| A | E.C.N. #10BRDR. & REDRAWN IN 3D. | 6.28.03 |



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$

| PARAMETER | GREEN | RED | BLUE | UNITS | TEST COND |
|------------------------|-------|------|------|----------------|----------------------|
| PEAK WAVELENGTH | 565 | 635 | 430 | nm | |
| FORWARD VOLTAGE (TYP.) | 2.2 | 2.0 | 4.5 | V_f | |
| FORWARD VOLTAGE (MAX.) | 2.6 | 2.5 | 5.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | 5.0 | 5.0 | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | 2500 | 2000 | 2000 | μcd | $I_f=10\text{mA}$ |

FACE COLOR: GRAY
SEGMENT COLOR: MILKY WHITE DIFFUSED


LIMITS OF SAFE OPERATION AT 25°C PER DOT

| PARAMETER | COLORS | MAX | UNITS |
|--------------------------|---------|------------|------------|
| PEAK FORWARD CURRENT* | | 150 | mA |
| STEADY CURRENT | (G/R/B) | 25/30/30 | mA |
| POWER DISSIPATION | | 105 | mW |
| DERATE FROM 25°C | | -1.6 | mW/°C |
| OPERATING, STORAGE TEMP. | | -40 TO +85 | °C |
| SOLDERING TEMP. | | +260 | °C |
| 2.0mm FROM BODY | | | 3 SEC. MAX |

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

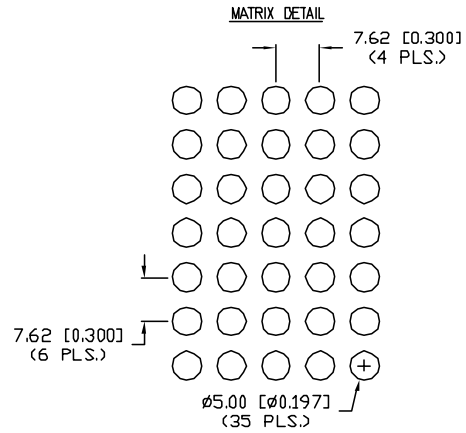
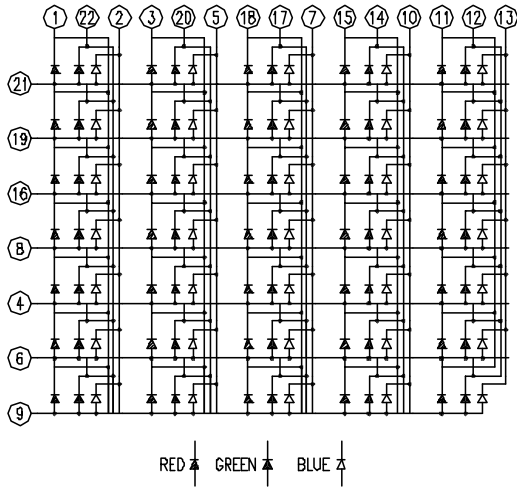
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), NN=DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION -0.00

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| REV. A | PART NUMBER LDM-2124757NI | <p>CONFIDENTIAL INFORMATION</p> <p>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.</p> <p>RELIABILITY NOTE</p> <p>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.</p> |  <p>290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw</p> |
| 2.10", FULL COLOR, 5 x 7 DOT MATRIX LED DISPLAY, RGB CHIPS, GRAY FACE WITH WHITE SEGMENTS, COLUMN CATHODE, 22 PINS. | | DRAWN BY: BC | CHECKED BY: |
| | | APPROVED BY: | DATE: 8.19.96 PAGE: 1 OF 2 SCALE: N/A |


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| | SEE PAGE 1. | |



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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 [±0.038], 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], NN= ^{+DECIMAL PRECISION} _{-0.00} MAX.= ^{+0.00} _{-DECIMAL PRECISION}

| | | | | | | | | | | | | | | | | |
|-----------------|------------------------------|---|---|--|-----------------|-------------|--------------|---------------|--|--|--|--------------|--|--|--|------------|
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| DRAWN BY: BC | CHECKED BY: | APPROVED BY: | DATE: 8.19.96 | | | | | | | | | | | | | |
| | | | PAGE: 2 OF 2 | | | | | | | | | | | | | |
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