

UNCONTROLLED DOCUMENT

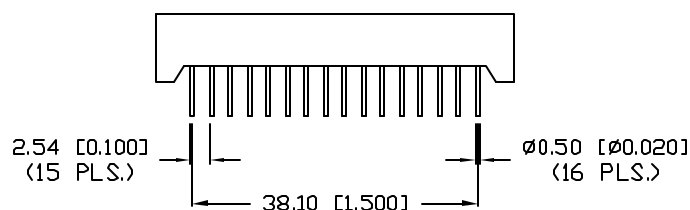
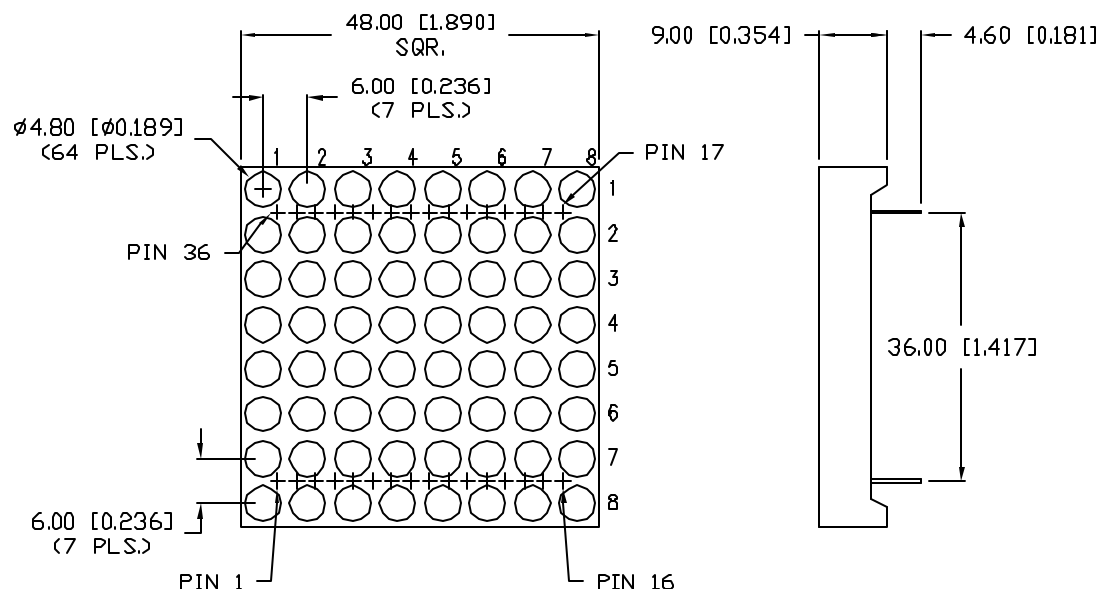
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PART NUMBER

REV.

LDM-1924788NI

PRELIMINARY IN P/N DIR

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

| 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.) | 2.5                  | 2.4  | 5.5  | $V_f$ |                      |
| REVERSE VOLTAGE        | 5.0                  | 5.0  | 5.0  | $V_r$ | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY        | 3500                 | 5500 | 3000 | ucd   | $I_f=20\text{mA}$    |
| EPOXY LENS FINISH:     | MILKY WHITE DIFFUSED |      |      |       |                      |
| FACE COLOR:            | GRAY                 |      |      |       |                      |

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

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

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

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

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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.



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8 x 8 DOT MATRIX DISPLAY, GREEN/RED/BLUE CHIPS,  
MILKY WHITE DIFFUSED SEGMENTS, COLUMN CATHODE.

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 4.30.02

PAGE: 1 OF 2

SCALE: N/A

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