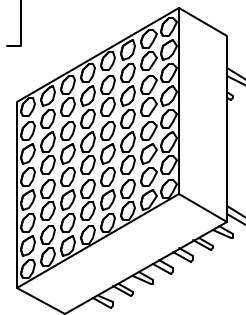
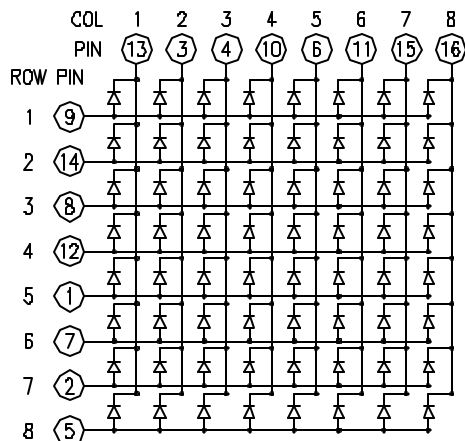
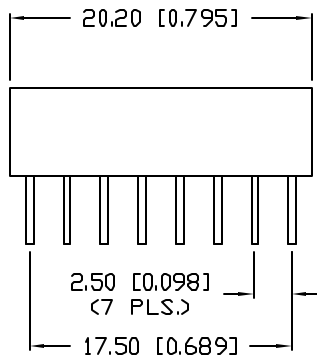
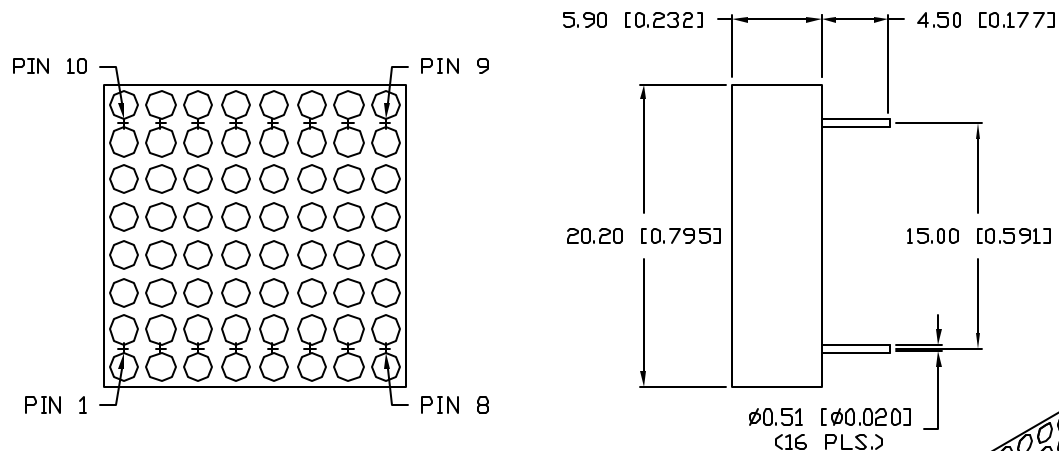


UNCONTROLLED DOCUMENT



|                |                                     |          |
|----------------|-------------------------------------|----------|
| PART NUMBER    |                                     | REV.     |
| LDM-08388NI-SY |                                     | A        |
| REV.           | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
| A              | E.C.N. #11148.                      | 03.21.07 |

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

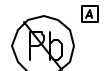
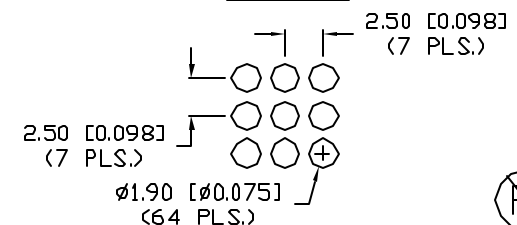
| PARAMETER       | MIN                  | TYP   | MAX | UNITS          | TEST COND            |
|-----------------|----------------------|-------|-----|----------------|----------------------|
| PEAK WAVELENGTH |                      | 590   |     | nm             |                      |
| FORWARD VOLTAGE |                      | 2.0   | 5.0 | $V_f$          |                      |
| REVERSE VOLTAGE | 5.0                  |       |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 15000 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | YELLOW               |       |     |                |                      |
| FACE COLOR:     | GRAY                 |       |     |                |                      |
| SEGMENT COLOR:  | MILKY WHITE DIFFUSED |       |     |                |                      |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                   |
| STEADY CURRENT                 | 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 |                      |

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

MATRIX DETAIL



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

REV.

A

PART NUMBER

LDM-08388NI-SY

0.8" SQUARE, 8 x 8 DOT MATRIX, LED DISPLAY,  
590nm YELLOW CHIPS, GRAY FACE WITH WHITE DOTS,  
COLUMN CATHODE, 16 PINS.

## CONFIDENTIAL INFORMATION

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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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PAGE: 1 OF 1

SCALE: N/A