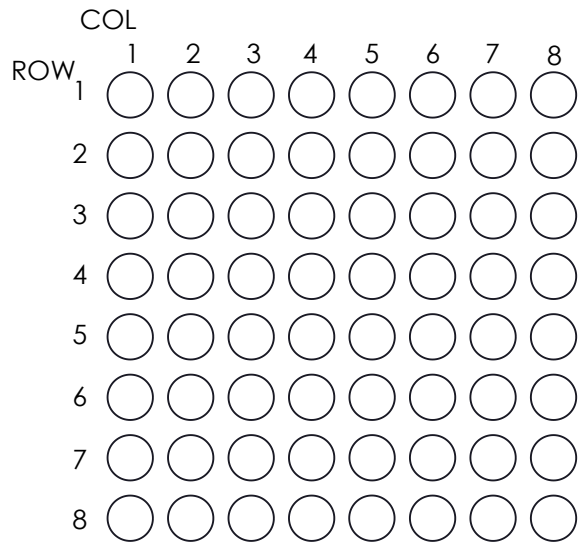
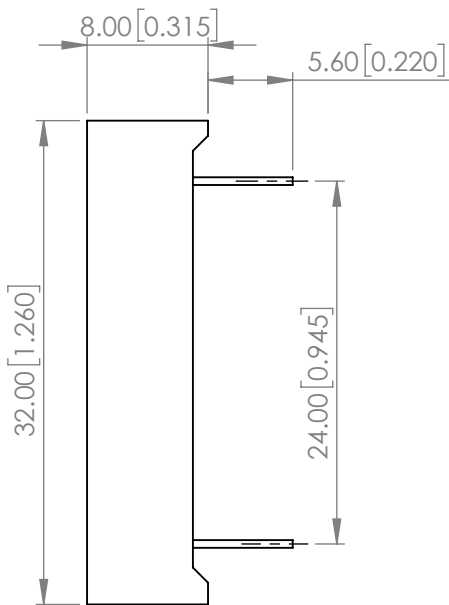
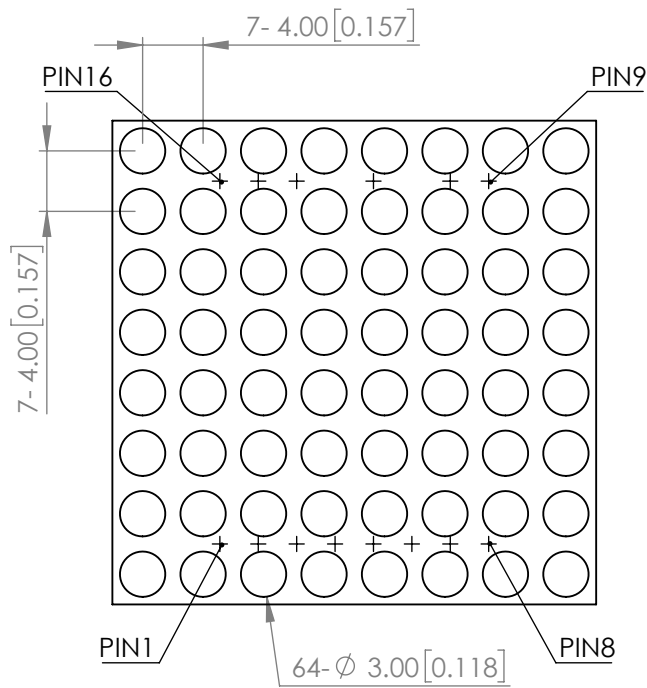
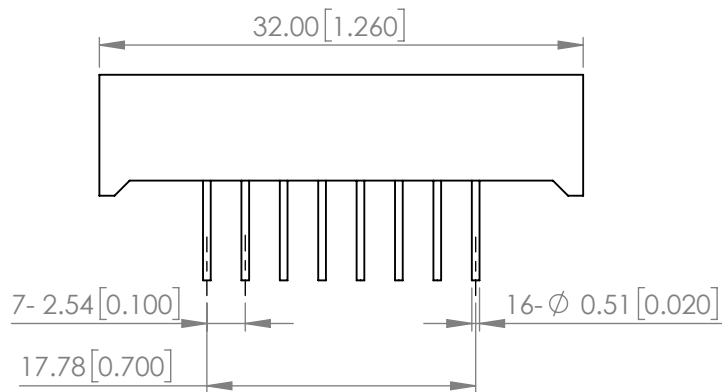


|             |                                     |             |     |          |
|-------------|-------------------------------------|-------------|-----|----------|
| PART NUMBER |                                     | LDM-13688NI | REV | A        |
| REV         | E.C.N. NUMBER AND REVISION COMMENTS |             |     | DATE     |
| A           | ECN-Lumex202000079                  |             |     | 12.11.20 |

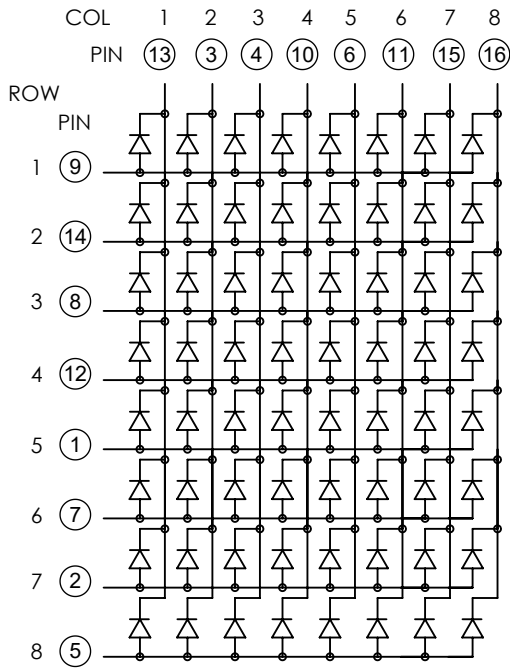


ELECTRO-OPTICAL CHARACTERISTIC TA=25℃ PER DOT

| PARAMETER          | MIN                  | TYP | MAX | UNITS | TEST COND |
|--------------------|----------------------|-----|-----|-------|-----------|
| PEAK WAVELENGTH    | -                    | 660 | -   | nm    | If=10mA   |
| FORWARD VOLTAGE    | -                    | 1.8 | 2.0 | Vf    | If=10mA   |
| REVERSE CURRENT    | -                    | -   | 100 | uA    | VR=5V     |
| LUMINOUS INTENSITY | -                    | 5   | -   | mcd   | If=10mA   |
| EMITTED COLOR      | RED                  |     |     |       |           |
| FONT COLOR         | BLACK                |     |     |       |           |
| SEGMENT COLOR      | MILKY WHITE DIFFUSED |     |     |       |           |



CIRCUIT DIAGRAM



ABSOLUTE MAXIMUM RATINGS TA=25℃ PER DOT

| PARAMETER               | MAX              | UNITS |
|-------------------------|------------------|-------|
| PEAK FORWARD CURRENT)*  | 100              | mA    |
| FORWARD CURRENT         | 15               | mA    |
| POWER DISSIPATION       | 30               | mW    |
| REVERSE VOLTAGE         | 5                | V     |
| STORAGE TEMPERATURE     | -35 TO +85       | ℃     |
| OPERATING TEMPERATURE   | -35TO +85        | ℃     |
| SOLDERING TEMPERATURE** | 3 SEC MAX. @ 260 | ℃     |

\* 1/8Duty,10khz

\*\* AT 2mm DISTANCE FROM THE CASE OF REFLECTOR EDGE.

\*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= <sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.= <sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>

|                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |  |                  |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------|---------------------------------------------------------------------------------------|
| <br>425 N. GARY AVE.<br>CAROL STREAM, IL 60188<br>PHONE : 800-278-5666<br>FAX : 630-315-2150<br>WEB : WWW.LUMEX.COM | 32.0(L)*32.0(W)*8.0(H)mm, 1.3"/8*8 DOT MATRIX LED DISPLAY, 660nm RED, BLACK FACE WITH MILKY DOTS.                                                                                                                                                                                                                            |  | DATE : 200.12.10 | DRAWN BY : E.C.                                                                       |
|                                                                                                                                                                                                       | **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.**                                                                                                                                                                                                                                                                |  | PAGE : 1 OF 1    | CHKD BY : E.C.                                                                        |
|                                                                                                                                                                                                       | CONFIDENTIAL INFORMATION                                                                                                                                                                                                                                                                                                     |  | SCALE : NTF      | APRVD BY : G.Y.                                                                       |
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|                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |  |                  |                                                                                       |