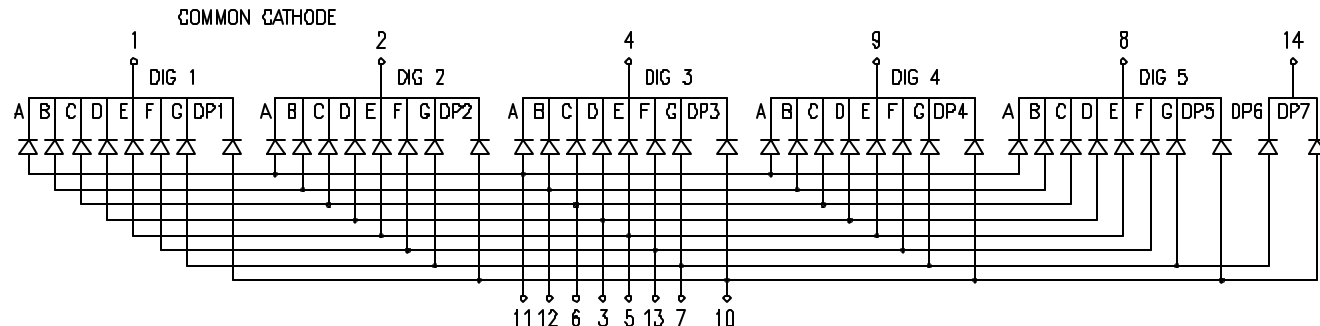
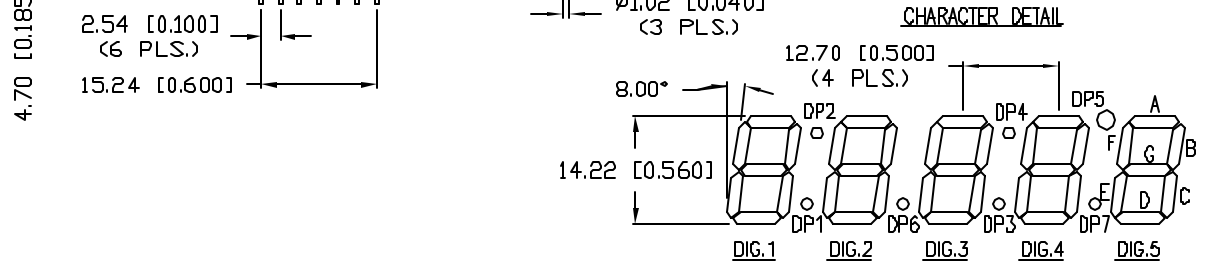
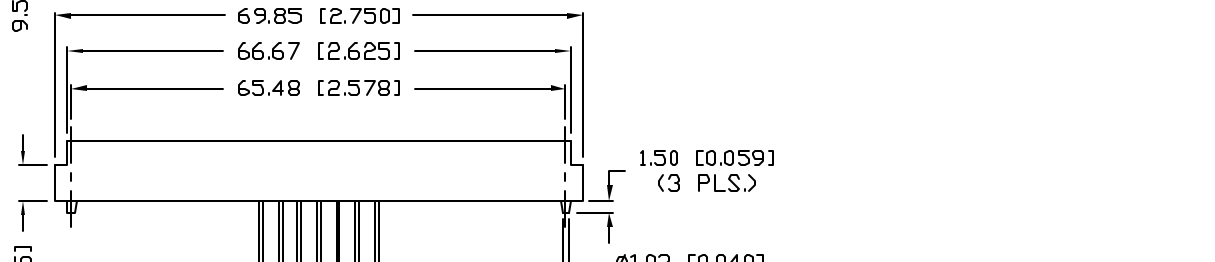
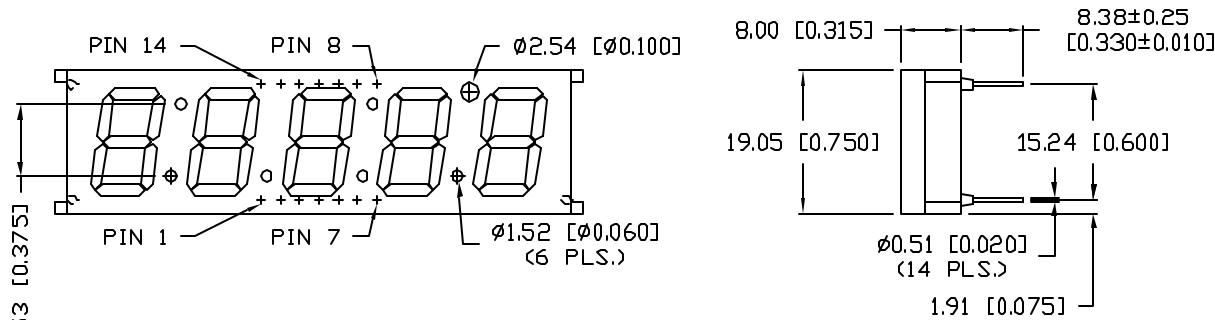


UNCONTROLLED DOCUMENT

|      |                                     |  |      |
|------|-------------------------------------|--|------|
| (LX) | PART NUMBER                         |  | REV. |
|      | LDP-N564RI                          |  |      |
| REV. | E.C.N. NUMBER AND REVISION COMMENTS |  | DATE |



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

| PARAMETER       | MIN                  | TYP  | MAX | UNITS          | TEST COND            |
|-----------------|----------------------|------|-----|----------------|----------------------|
| PEAK WAVELENGTH |                      | 635  |     | nm             |                      |
| FORWARD VOLTAGE |                      | 2.0  | 2.5 | $V_f$          |                      |
| REVERSE VOLTAGE | 5.0                  |      |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 4000 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | RED                  |      |     |                |                      |
| FACE COLOR:     | GRAY                 |      |     |                |                      |
| SEGMENT COLOR:  | MILKY WHITE DIFFUSED |      |     |                |                      |

LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER                | MAX        | UNITS |
|--------------------------|------------|-------|
| PEAK FORWARD CURRENT*    | 150        | mA    |
| STEADY CURRENT           | 30         | mA    |
| POWER DISSIPATION        | 105        | mW    |
| DERATE FROM 25°C         | -1.2       | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C    |
| SOLDERING TEMP.          | +260       | °C    |
| 2.0mm FROM BODY          | 3 SEC. MAX |       |

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

- NOTES:
1. DP5 IS A DEGREE SYMBOL.
  2. DP1 & DP2 AND DP3 & DP4 ARE COLONS.
  3. TOLERANCES FOR ALL DIMS EXCEPT LEAD LENGTH  $\pm 0.127\text{mm}$  ( $\pm 0.005''$ )

UNCONTROLLED DOCUMENT  
\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.127\text{mm}$  ( $\pm 0.005''$ )

|  |             |
|--|-------------|
| REV.   | PART NUMBER |
|  | LDP-N564RI  |
| 0.56" FIVE DIGIT DISPLAY, COMMON CATHODE,<br>635nm RED CHIPS, GRAY FACE WITH WHITE SEGMENTS. |             |

**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.

|                              |             |  |               |
|------------------------------|-------------|--|---------------|
| <b>LUMEX</b><br>INCORPORATED |             | 290 E. HELLEN ROAD<br>PALATINE, ILLINOIS 60067<br>PHONE: 1-847-359-2790<br>WEB: HTTP://WWW.LUMEX.COM |               |
| DRAWN BY:                    | CHECKED BY: | APPROVED BY:   | DATE: 9-10-99 |
| SS/DU                        |             |  | PAGE: 1 OF 1  |
|                              |             |  | SCALE: N/A    |