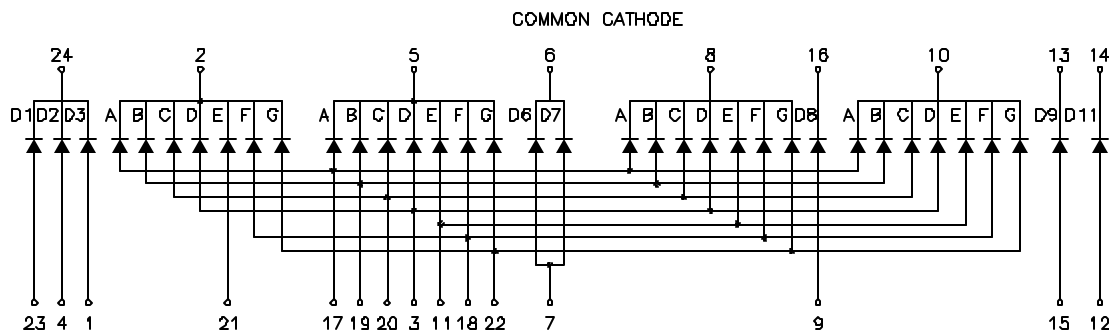
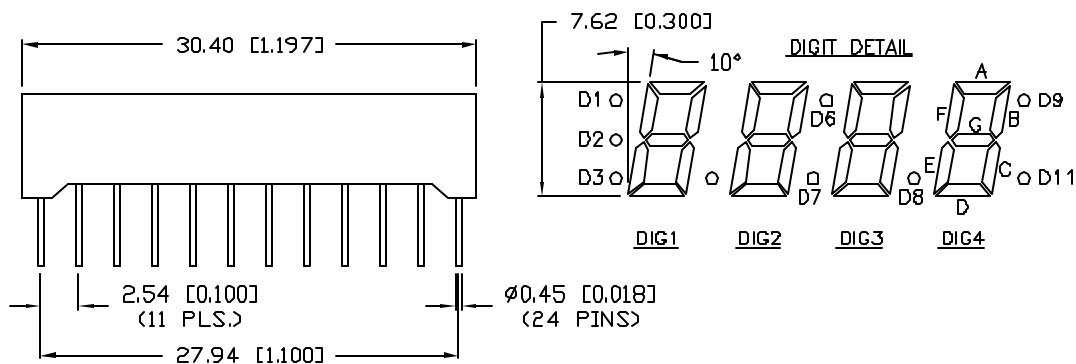
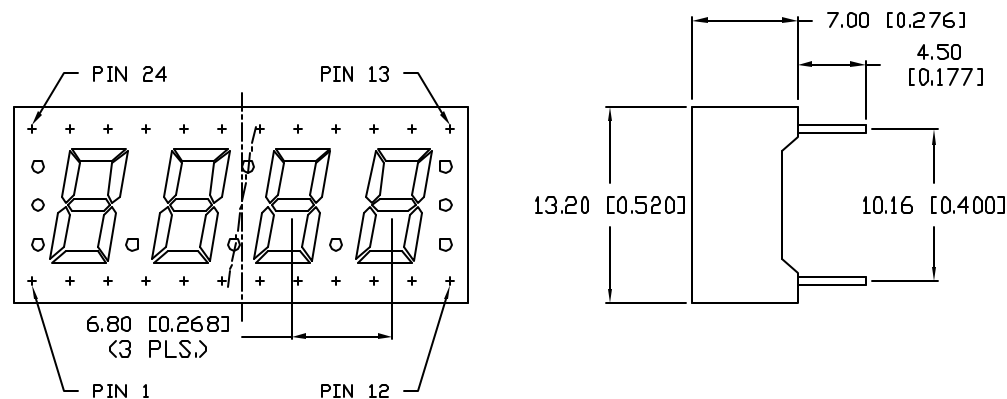




\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$ |                      |            |     |                |                      |
|--------------------------------------------------------------------------|----------------------|------------|-----|----------------|----------------------|
| PARAMETER                                                                | MIN                  | TYP        | MAX | UNITS          | TEST COND            |
| PEAK WAVELENGTH                                                          |                      | 470 (BLUE) |     | nm             |                      |
| FORWARD VOLTAGE*                                                         |                      | 3.5        | 4.0 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE                                                          | 5.0                  |            |     | V <sub>r</sub> | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY                                                          |                      | 6000       |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:                                                           | BLUE                 |            |     |                |                      |
| 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           | 25         | mA    |
| POWER DISSIPATION        | 120        | mW    |
| DERATE FROM 25°C         | -1.2       | mW/°C |
| OPERATING, STORAGE TEMP. | -30 TO +85 | °C    |
| SOLDERING TEMP.          | +260       | °C    |
| 2.0mm FROM BODY          | 3 SEC. MAX |       |

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

REV.

PART NUMBER

LDC-N3017RI-USB

0.30" QUAD DIGIT, SEVEN SEGMENT,  
CLOCK DISPLAY, 470nm BLUE, MULTIPLEXED,  
COMMON CATHODE, GREY FONT/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.



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SCALE: N/A