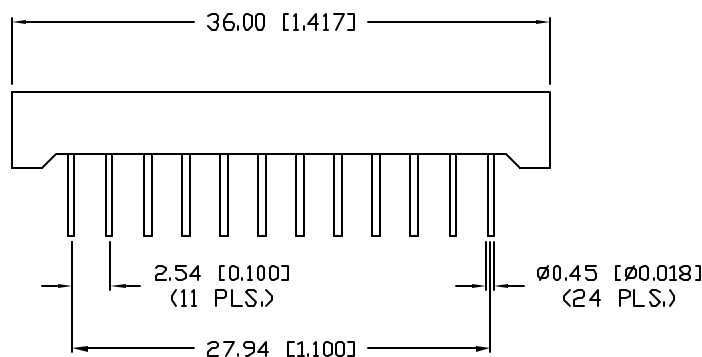
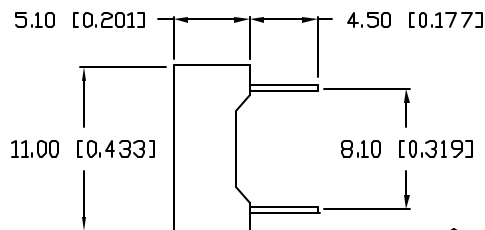
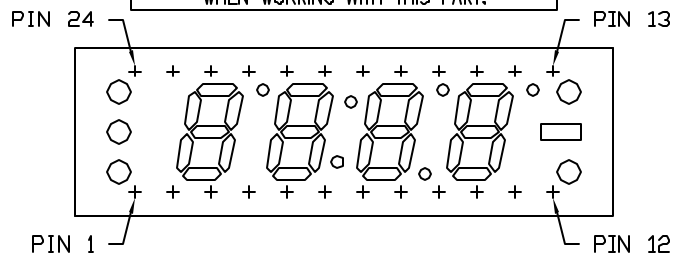
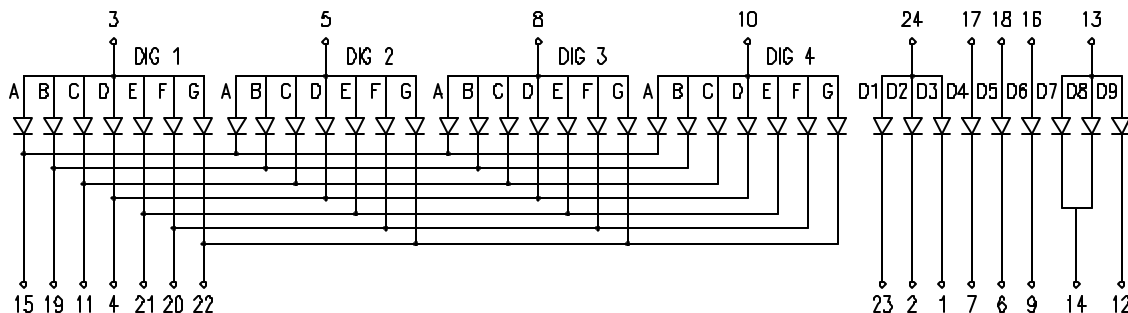


UNCONTROLLED DOCUMENT

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.



COMMON ANODE



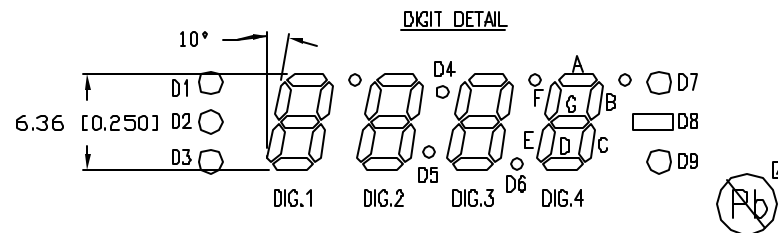
|                 |                                     |        |
|-----------------|-------------------------------------|--------|
| PART NUMBER     |                                     | REV.   |
| LDC-M2502RI-UPG |                                     | A      |
| REV.            | E.C.N. NUMBER AND REVISION COMMENTS | DATE   |
| A               | E.C.N. #11148.                      | 5.3.07 |

| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=10\text{mA}$ |                      |      |     |                |                      |
|----------------------------------------------------------------------------|----------------------|------|-----|----------------|----------------------|
| PARAMETER                                                                  | MIN                  | TYP  | MAX | UNITS          | TEST COND            |
| PEAK WAVELENGTH                                                            |                      | 525  |     | nm             |                      |
| FORWARD VOLTAGE                                                            |                      | 3.5  | 4.0 | $V_f$          |                      |
| REVERSE VOLTAGE                                                            | 5.0                  |      |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                                            |                      | 7000 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:                                                             | GREEN                |      |     |                |                      |
| FACE COLOR:                                                                | GRAY                 |      |     |                |                      |
| SEGMENT COLOR:                                                             | MILKY WHITE DIFFUSED |      |     |                |                      |

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

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 150        | mA                     |
| STEADY CURRENT                   | 25         | mA                     |
| POWER DISSIPATION                | 120        | 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=±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. | PART NUMBER     |
| A    | LDC-M2502RI-UPG |

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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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0.25" QUAD DIGIT, SEVEN SEGMENT, LED CLOCK DISPLAY,  
525nm GREEN CHIPS, GRAY FACE WITH WHITE SEGMENTS,  
COMMON ANODE, 24 PINS, MULTIPLEXED.

|           |             |              |              |
|-----------|-------------|--------------|--------------|
| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE:        |
| JC        |             |              | 8.1.03       |
|           |             |              | PAGE: 1 OF 1 |
|           |             |              | SCALE: N/A   |