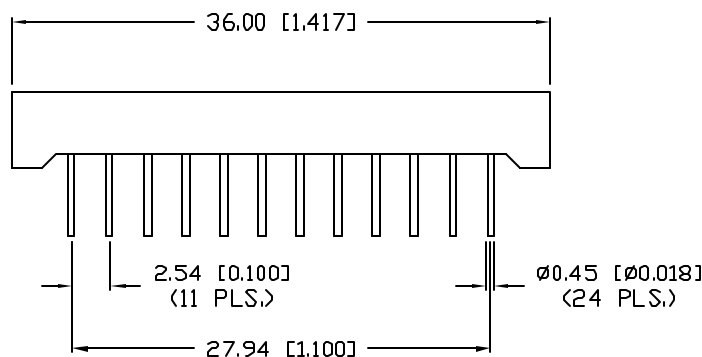
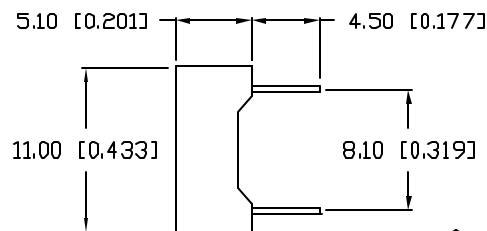
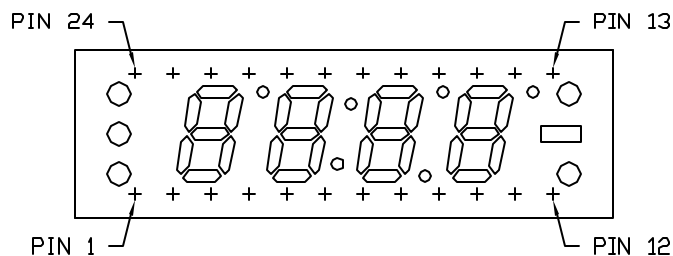
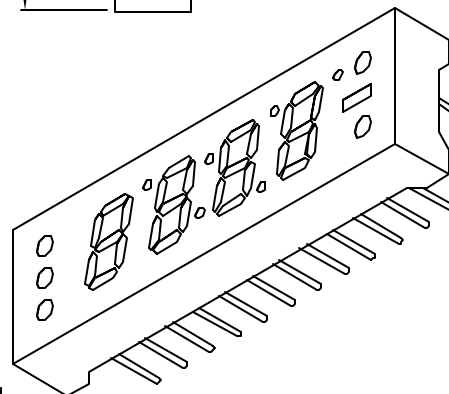
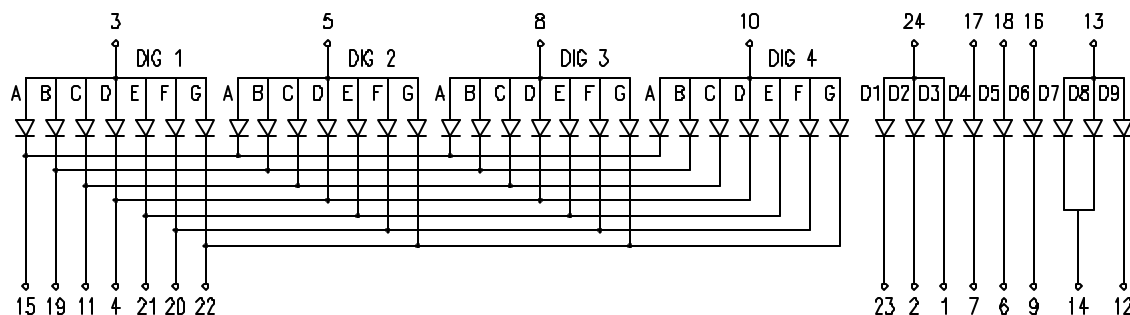


UNCONTROLLED DOCUMENT



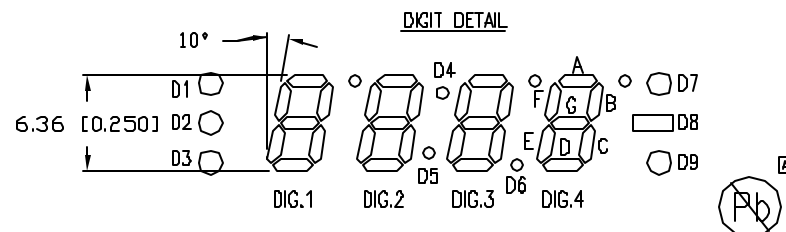
COMMON ANODE



| 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   | 2.5 | $V_f$          |                      |
| 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 SEGMENT

| 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 |                      |

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

\*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

LDC-M2503RI-SY

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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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JC

CHECKED BY:

APPROVED BY:

DATE: 8.1.03

PAGE: 1 OF 1

SCALE: N/A

0.25" QUAD DIGIT, SEVEN SEGMENT, LED CLOCK DISPLAY,  
590nm YELLOW CHIPS, GRAY FACE WITH WHITE SEGMENTS,  
COMMON ANODE, 24 PINS, MULTIPLEXED.