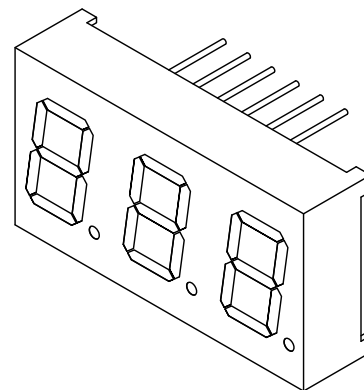
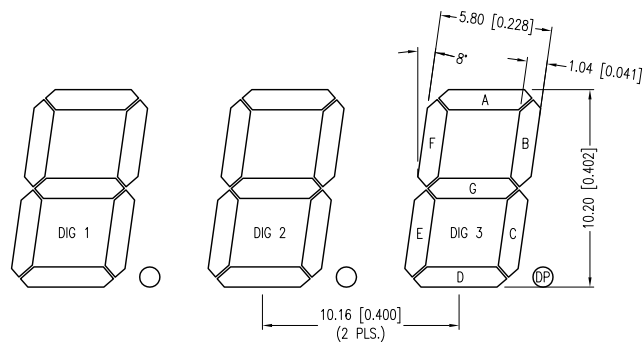
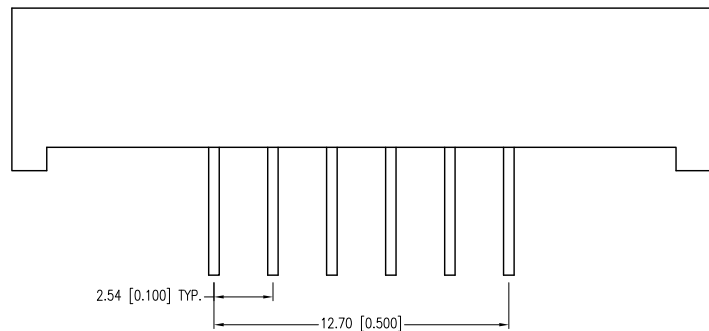
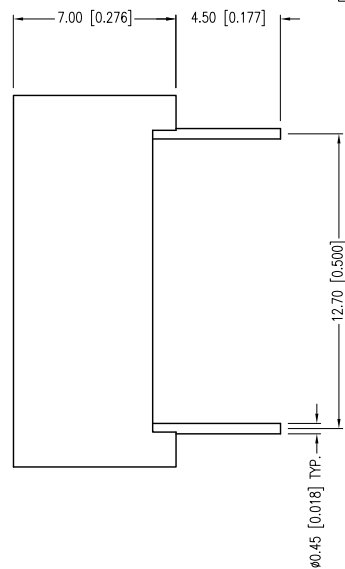
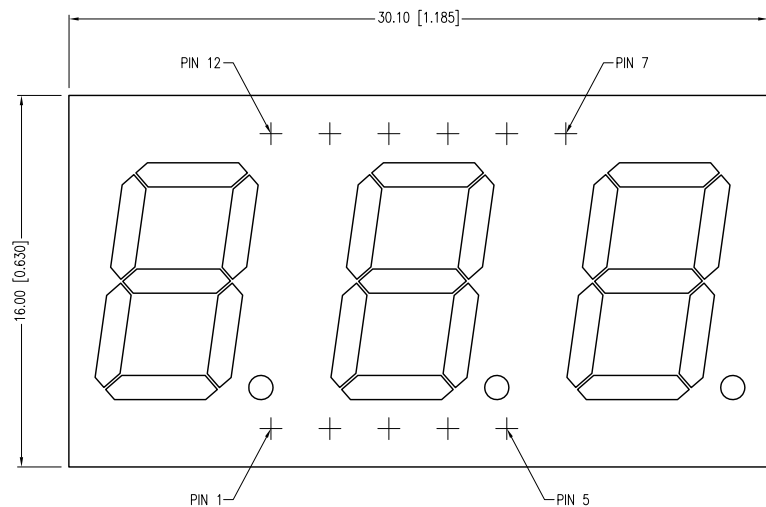




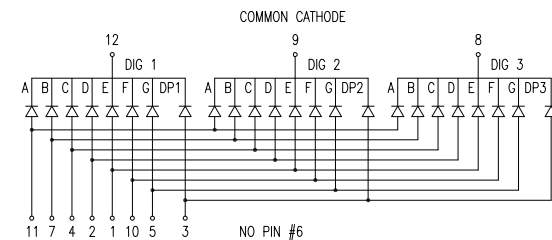
|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | LDT-N4003RI-SY                      | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 07.31.12    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |

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 | Vf             |                      |
| REVERSE VOLTAGE | 5.0                  |        |     | Vr             | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 15,000 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | YELLOW               |        |     |                |                      |
| FACE COLOR:     | GRAY                 |        |     |                |                      |
| LENS FINISH:    | MILKY WHITE DIFFUSED |        |     |                |                      |

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

| 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 TEMP.                | -40 TO +85 | $^\circ\text{C}$     |
| STORAGE TEMP.                  | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                | 3          | SEC.                 |

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

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

UNCONTROLLED DOCUMENT



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QUASARBRITE 0.40" 3 DIGIT 7 SGM T DISPLAY, 590nm YELLOW, COMMON CATHODE, MULTIPLEXED.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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|        |           |           |     |
|--------|-----------|-----------|-----|
| DATE:  | 07.31.12  | DRAWN BY: | AB  |
| PAGE:  | 1 OF 1    | CHKD BY:  | SS  |
| SCALE: | NTS       | APRVD BY: | SS  |
| UNIT:  | mm [INCH] |           | (P) |