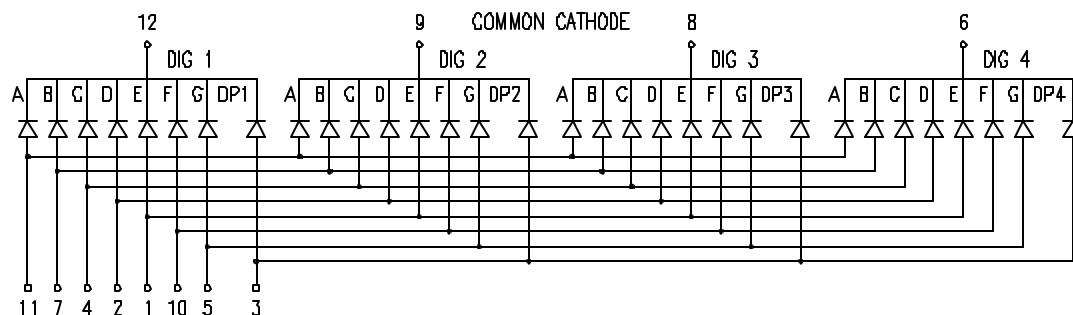
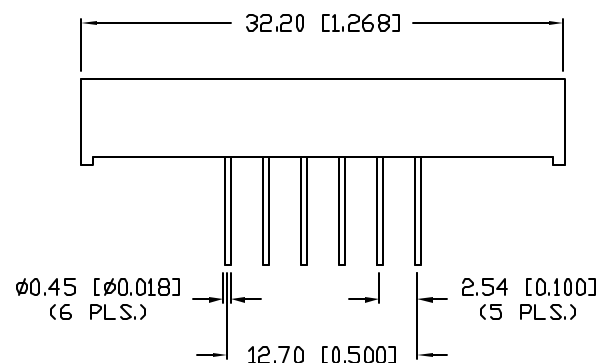
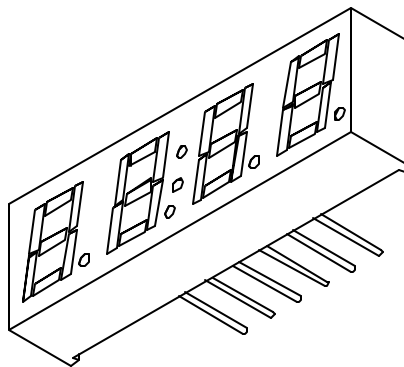
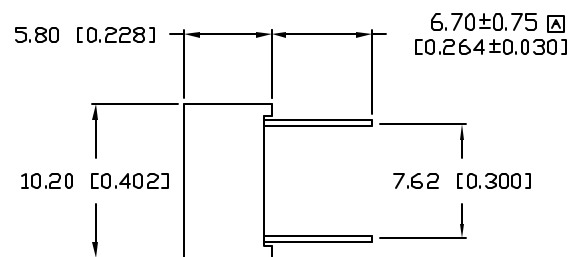
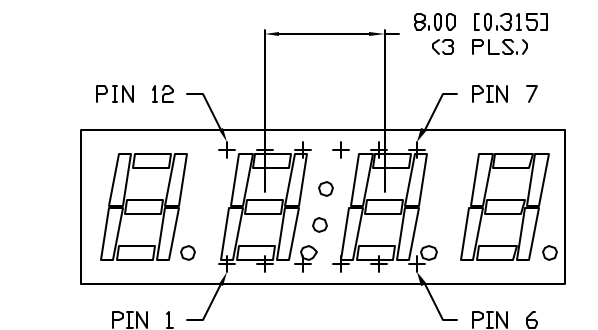


UNCONTROLLED DOCUMENT



\*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

PART NUMBER  
LDQ-N286R1REV.  
A

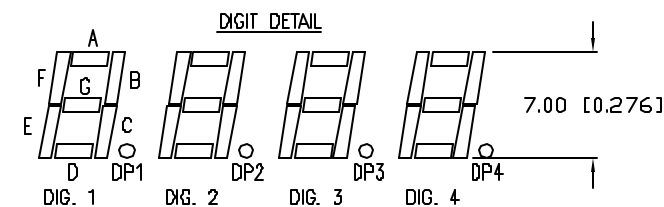
| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | E.C.N. #10780. & REDRAWN.           | 8.22.01 |

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

| PARAMETER       | MIN                  | TYP       | MAX | UNITS          | TEST COND            |
|-----------------|----------------------|-----------|-----|----------------|----------------------|
| PEAK WAVELENGTH |                      | 650 (RED) |     | nm             |                      |
| FORWARD VOLTAGE |                      | 1.8       | 2.3 | $V_f$          |                      |
| REVERSE VOLTAGE | 5.0                  |           |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 9000      |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | RED                  |           |     |                |                      |
| FACE COLOR:     | GRAY                 |           |     |                |                      |
| SEGMENT COLOR:  | MILKY WHITE DIFFUSED |           |     |                |                      |

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  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, STORAGE TEMP.       | -30 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                | 3 SEC. MAX |                      |

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

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REV.  
APART NUMBER  
LDQ-N286R1

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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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0.28" FOUR DIGIT SEVEN SEGMENT DISPLAY,  
RED, GRAY FACE WITH MILKY WHITE DIFFUSED SEGMENTS.

|                 |             |              |               |
|-----------------|-------------|--------------|---------------|
| DRAWN BY:<br>GT | CHECKED BY: | APPROVED BY: | DATE: 10.2.98 |
|                 |             |              | PAGE: 1 OF 1  |
|                 |             |              | SCALE: N/A    |