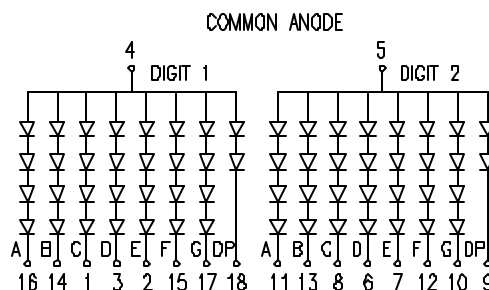
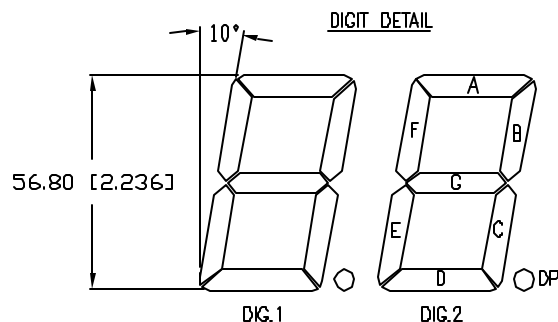
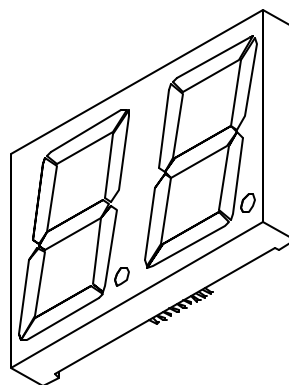
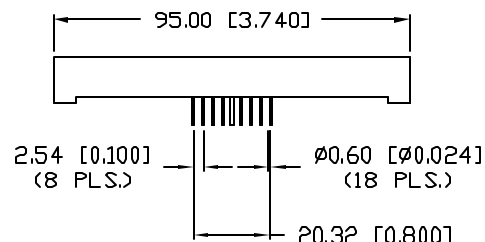
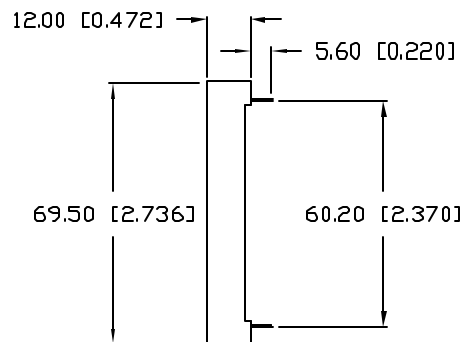
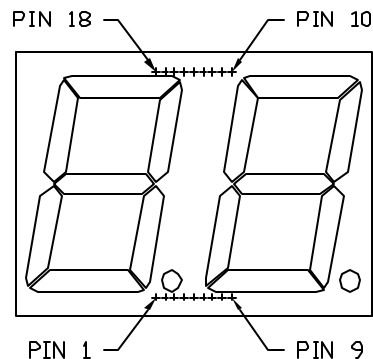


UNCONTROLLED DOCUMENT



|             |                                     |         |
|-------------|-------------------------------------|---------|
| PART NUMBER |                                     | REV.    |
| LDD-AA233RI |                                     | A       |
| REV.        | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
| A           | E.C.N. #11148.                      | 6.25.07 |

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

| PARAMETER        | MIN                  | TYP     | MAX      | UNITS          | TEST COND            |
|------------------|----------------------|---------|----------|----------------|----------------------|
| PEAK WAVELENGTH  |                      | 585     |          | nm             |                      |
| FORWARD VOLTAGE* |                      | 8.4/4.2 | 10.0/5.0 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE  | 5.0                  |         |          | V <sub>r</sub> | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY  |                      | 2500    |          | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:   | YELLOW               |         |          |                |                      |
| FACE COLOR:      | GRAY                 |         |          |                |                      |
| SEGMENT COLOR:   | MILKY WHITE DIFFUSED |         |          |                |                      |

\* SECOND VALUE FOR 2 CHIPS IN DECIMAL POINT

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

| 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=+DECIMAL PRECISION MAX=+0.00 -DECIMAL PRECISION

REV.  
A

PART NUMBER  
LDD-AA233RI

0.80" SEVEN SEGMENT, DUAL DISPLAY,  
585nm YELLOW CHIPS, GRAY FACE WITH WHITE SEGMENTS,  
COMMON ANODE, RIGHT DECIMAL PLACES.

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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.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

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|-----------------|-------------|--------------|---------------|
| DRAWN BY:<br>JN | CHECKED BY: | APPROVED BY: | DATE: 7.31.03 |
|                 |             |              | PAGE: 1 OF 1  |
|                 |             |              | SCALE: N/A    |

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