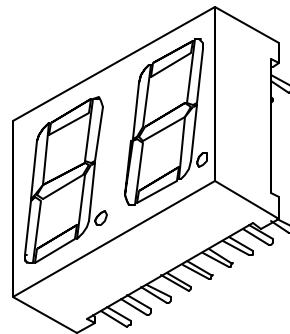
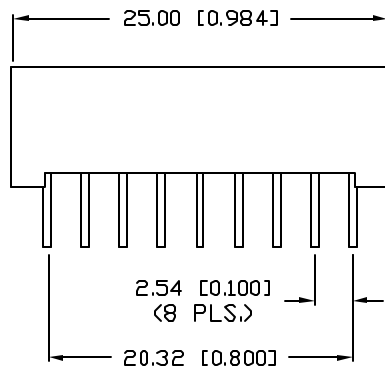
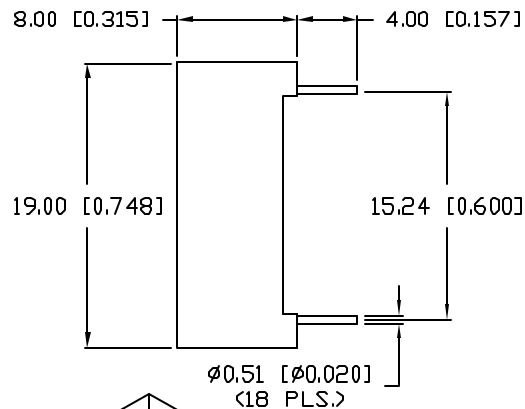
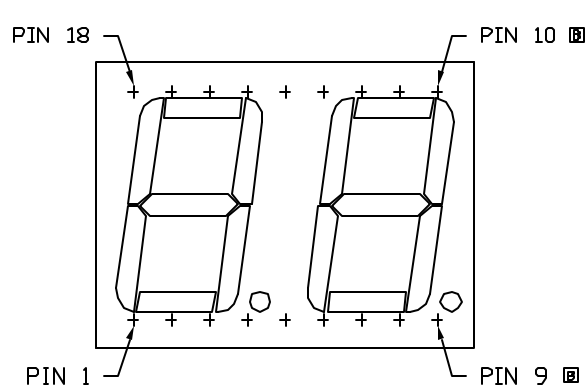
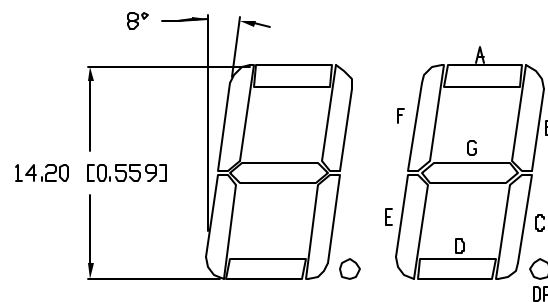


UNCONTROLLED DOCUMENT



CHARACTER DETAIL



DIG.1

DIG.2

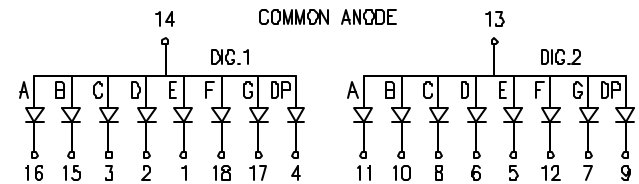
|                               |                                                                        |                |
|-------------------------------|------------------------------------------------------------------------|----------------|
| PART NUMBER<br>LDD-A516RE-160 |                                                                        | REV.<br>A      |
| REV.<br>A                     | E.C.N. NUMBER AND REVISION COMMENTS<br>E.C.N. #10732. & REDRAWN IN 3D. | DATE<br>5.2.01 |

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

| PARAMETER       | MIN                  | TYP    | MAX | UNITS          | TEST COND            |
|-----------------|----------------------|--------|-----|----------------|----------------------|
| PEAK WAVELENGTH |                      | 660    |     | nm             |                      |
| FORWARD VOLTAGE |                      | 1.7    | 2.2 | $V_f$          |                      |
| REVERSE VOLTAGE | 4.0                  |        |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 13,000 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | RED                  |        |     |                |                      |
| FACE COLOR:     | BLACK                |        |     |                |                      |
| 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              | 100        | 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:  $X=\pm 1$  ( $\pm 0.039$ ),  $XX=\pm 0.5$  ( $\pm 0.020$ ),  $XXX=\pm 0.25$  ( $\pm 0.010$ ),  $XXXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ), MIN.  $\frac{+0.00}{-0.00}$  DECIMAL PRECISION MAX.  $\frac{+0.00}{-0.00}$  DECIMAL PRECISION

REV.

A

PART NUMBER

LDD-A516RE-160

## CONFIDENTIAL INFORMATION

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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

0.56" SEVEN SEGMENT, DUAL DIGIT DISPLAY,  
660nm RED CHIPS, BLACK FACE WITH RED SEGMENTS,  
COMMON ANODE, RIGHT DECIMAL PLACE, 4mm LEADS.

DRAWN BY:

SS/BC

CHECKED BY:

APPROVED BY:

DATE: 2.12.99

PAGE: 1 OF 1

SCALE: N/A