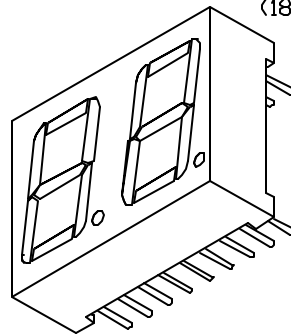
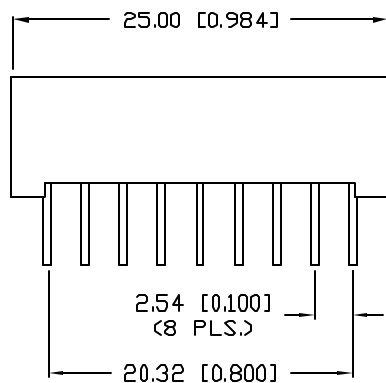
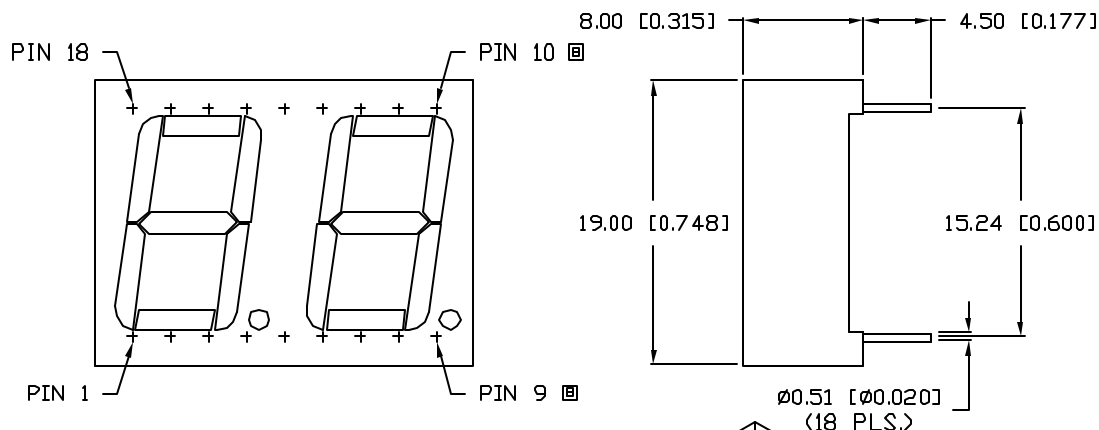
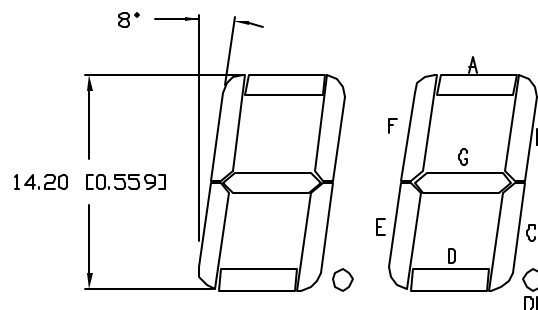


UNCONTROLLED DOCUMENT



CHARACTER DETAIL



DIG.1

DIG.2

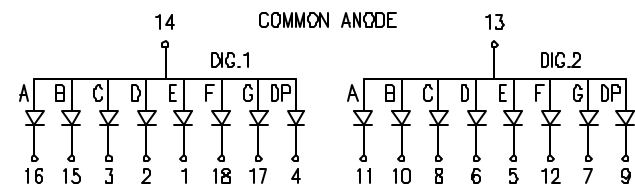
| PART NUMBER |                                     | REV.    |
|-------------|-------------------------------------|---------|
| LDD-A515RE  |                                     | C       |
| REV.        | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
| A           | E.C.N. #10BRDR.                     | 2.12.99 |
| B           | E.C.N. #10732. & REDRAWN IN 3D.     | 5.2.01  |
| C           | E.C.N. #11148.                      | 4.26.07 |

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

| PARAMETER       | MIN          | TYP  | MAX | UNITS          | TEST COND            |
|-----------------|--------------|------|-----|----------------|----------------------|
| PEAK WAVELENGTH |              | 700  |     | nm             |                      |
| FORWARD VOLTAGE |              | 2.0  | 2.5 | $V_f$          |                      |
| REVERSE VOLTAGE | 5.0          |      |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |              | 1400 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | RED          |      |     |                |                      |
| FACE COLOR:     | BLACK        |      |     |                |                      |
| SEGMENT COLOR:  | RED DIFFUSED |      |     |                |                      |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                   |
| STEADY CURRENT                 | 25         | mA                   |
| POWER DISSIPATION              | 120        | 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:  $X=\pm 1$  ( $\pm 0.039$ ),  $X.X=\pm 0.5$  ( $\pm 0.020$ ),  $X.XX=\pm 0.25$  ( $\pm 0.010$ ),  $X.XXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN= $\pm 0.00$  DECIMAL PRECISION MAX= $\pm 0.00$  DECIMAL PRECISION

REV.  
CPART NUMBER  
LDD-A515RE

0.56" SEVEN SEGMENT, DUAL DIGIT DISPLAY,  
700nm RED CHIPS, BLACK FACE WITH RED SEGMENTS,  
COMMON ANODE, RIGHT DECIMAL PLACE.

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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

DRAWN BY:

JC

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APPROVED BY:

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