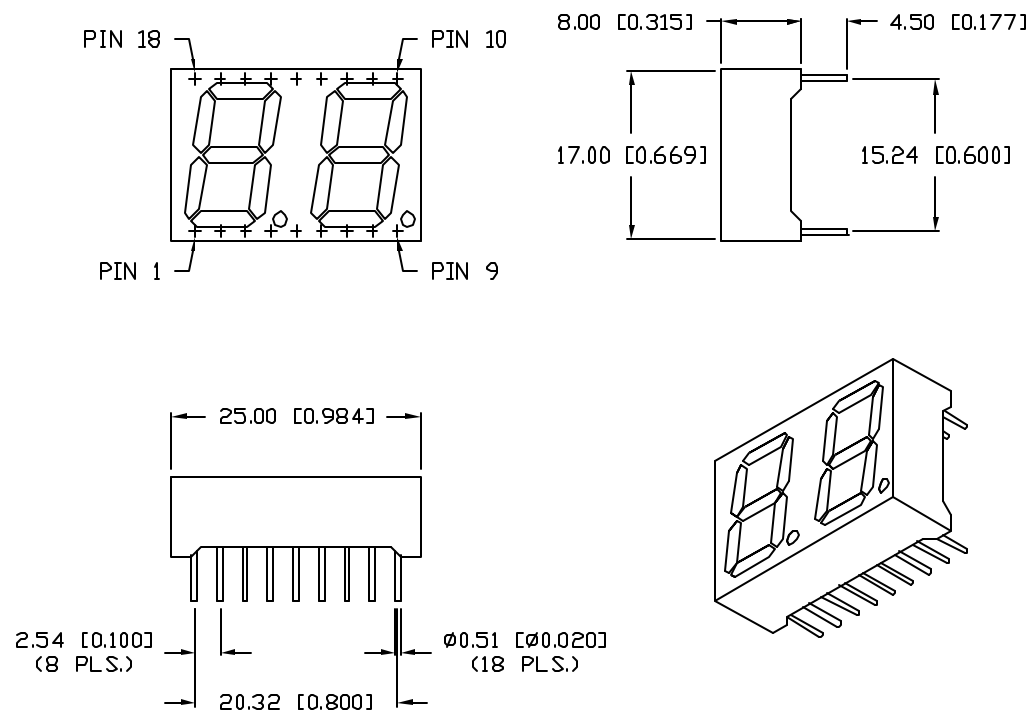
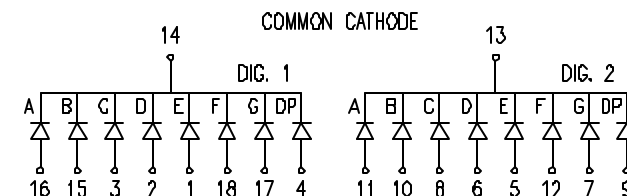
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=10\text{mA}$ 

| PARAMETER       | MIN                  | TYP   | MAX | UNITS          | TEST COND            |
|-----------------|----------------------|-------|-----|----------------|----------------------|
| PEAK WAVELENGTH |                      | 636   |     | nm             |                      |
| FORWARD VOLTAGE |                      | 2.0   | 2.5 | $V_f$          |                      |
| REVERSE VOLTAGE | 5.0                  |       |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 13000 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | RED                  |       |     |                |                      |
| FACE COLOR:     | GRAY                 |       |     |                |                      |
| SEGMENT COLOR:  | MILKY WHITE DIFFUSED |       |     |                |                      |

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

| 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 -0.00 -DECIMAL PRECISION

REV.

PART NUMBER

LDD-C5644RI-SI

## 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.



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0.56" SINGLE DIGIT, SEVEN SEGMENT, LED DISPLAY  
636nm RED CHIPS, GRAY FACE WITH WHITE SEGMENTS,  
COMMON CATHODE, 18 PINS.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 8.1.03

PAGE: 1 OF 1

SCALE: N/A

# Mouser Electronics

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