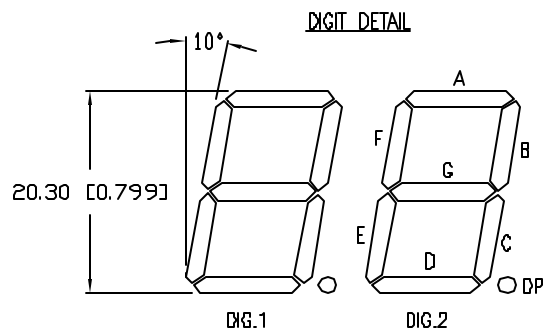
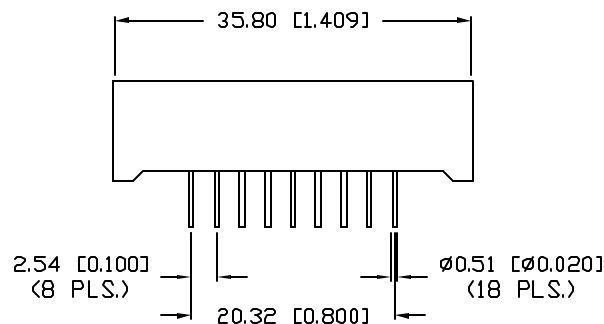
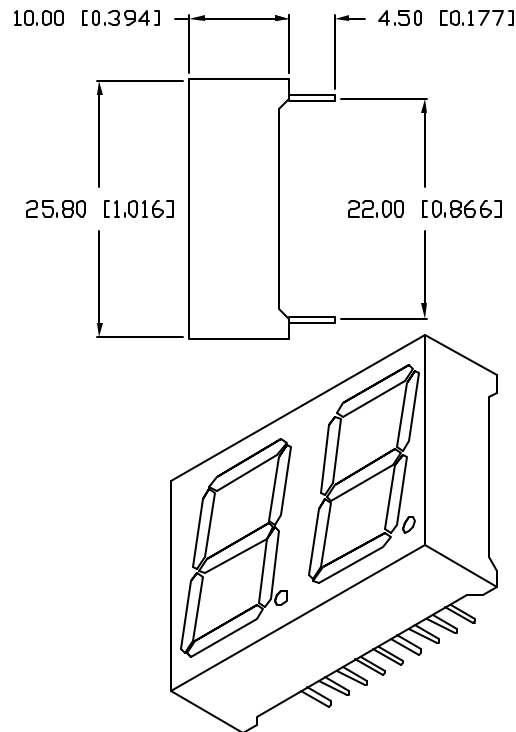
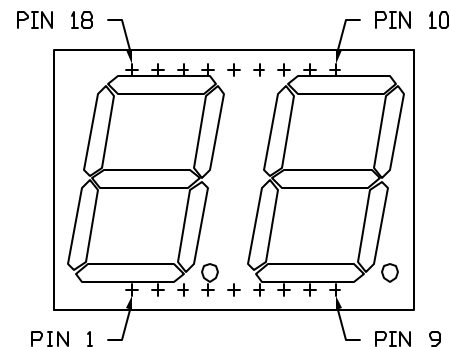


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CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

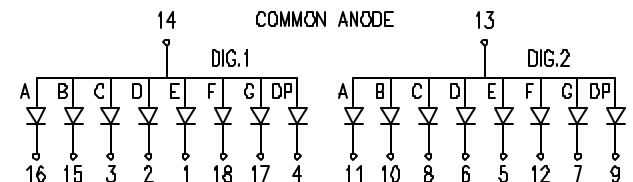
| PART NUMBER    |                                     | REV.    |
|----------------|-------------------------------------|---------|
| LDD-A812RI-UPG |                                     | A       |
| REV.           | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
| A              | E.C.N. #11148.                      | 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 |                      | 525  |     | nm             |                      |
| FORWARD VOLTAGE |                      | 3.5  | 4.0 | $V_f$          |                      |
| REVERSE VOLTAGE | 5.0                  |      |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 7000 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | GREEN                |      |     |                |                      |
| 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                 | 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= $\pm 0.00$  ( $\pm 0.000$ ), MAX= $\pm 0.00$  ( $\pm 0.000$ ).

REV.

A

PART NUMBER

LDD-A812RI-UPG

0.80" DUAL DIGIT, SEVEN SEGMENT, LED DISPLAY,  
525nm GREEN CHIPS, GRAY FACE WITH WHITE SEGMENTS,  
COMMON ANODE, 18 PINS.

## 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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|           |             |              |              |
|-----------|-------------|--------------|--------------|
| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE:        |
| JC        |             |              | 8.1.03       |
|           |             |              | PAGE: 1 OF 1 |
|           |             |              | SCALE: N/A   |

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