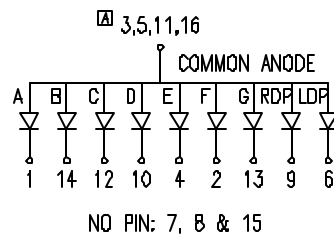
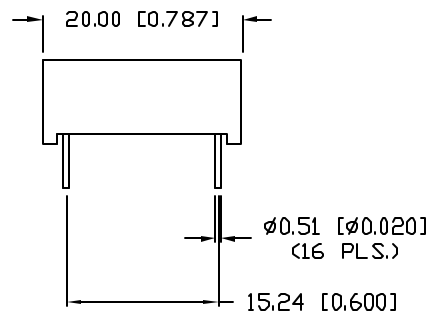
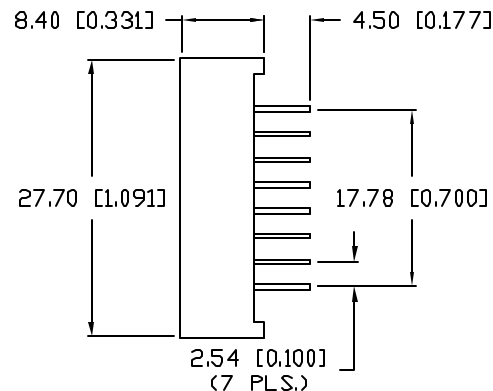
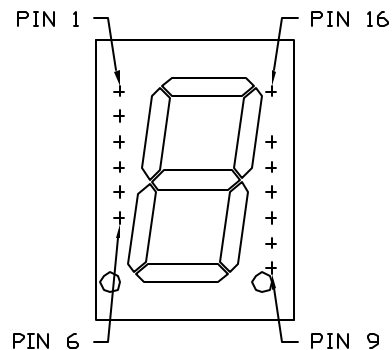
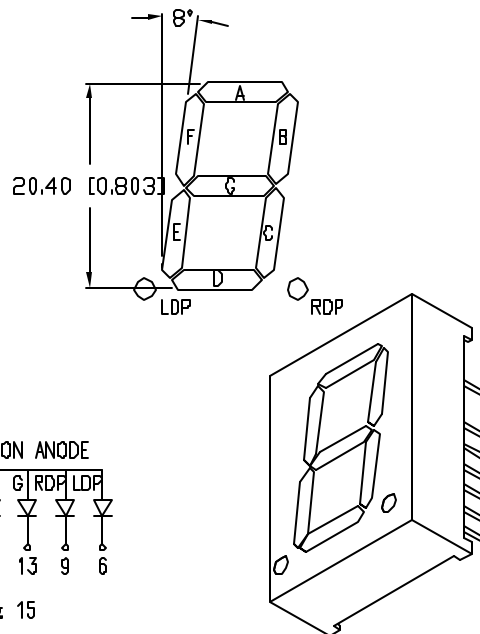


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NO PIN: 7, 8 &amp; 15

DIGIT DETAIL

PART NUMBER  
LDS-A812RI-UPGREV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11451.                      | 10.25.07 |

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

| PARAMETER       | MIN                  | TYP  | MAX | UNITS          | TEST COND            |
|-----------------|----------------------|------|-----|----------------|----------------------|
| PEAK WAVELENGTH |                      | 525  |     | nm             |                      |
| FORWARD VOLTAGE |                      | 3.5  | 4.0 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE | 5.0                  |      |     | V <sub>r</sub> | $I_r=100\mu\text{A}$ |
| 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°C PER SEGMENT

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 150        | mA         |
| STEADY CURRENT           | 25         | mA         |
| POWER DISSIPATION        | 120        | mW         |
| DERATE FROM 25°C         | -1.6       | mW/°C      |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C         |
| SOLDERING TEMP.          | +260       | °C         |
| 2.0mm FROM BODY          |            | 3 SEC. MAX |
| * $t < 10\mu\text{s}$    |            |            |

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



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\*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=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.

A

PART NUMBER

LDS-A812RI-UPG

0.80" SEVEN SEGMENT, LED DISPLAY,  
525nm GREEN CHIPS, GRAY FACE WITH WHITE SEGMENTS,  
COMMON ANODE, 16 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:        |
| BC        |             |              | 7.3.03       |
|           |             |              | PAGE: 1 OF 1 |
|           |             |              | SCALE: N/A   |