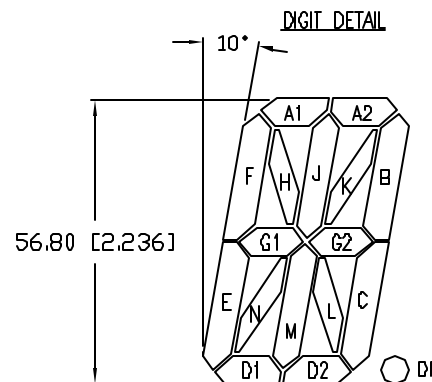
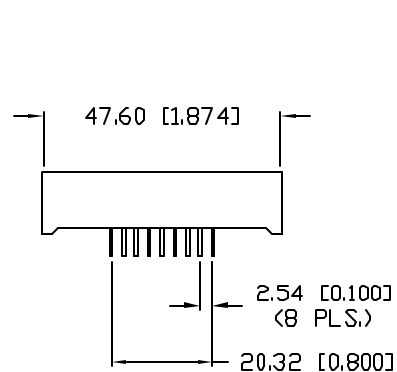
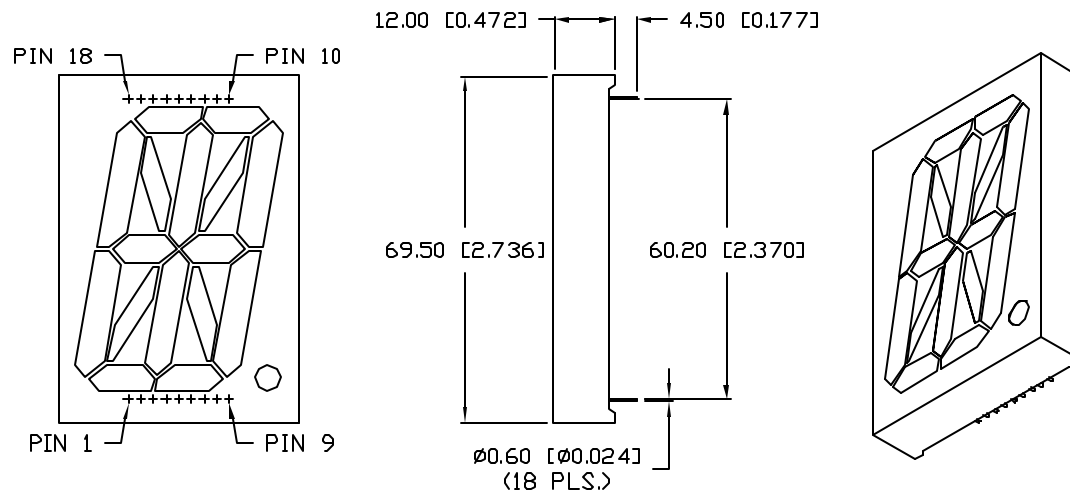


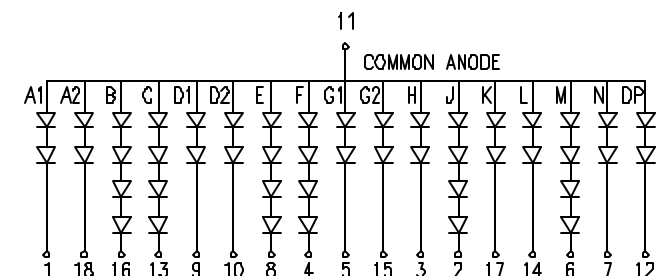
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=10\text{mA}$ 

| PARAMETER        | MIN                  | TYP     | MAX      | UNITS          | TEST COND            |
|------------------|----------------------|---------|----------|----------------|----------------------|
| PEAK WAVELENGTH  |                      | 590     |          | nm             |                      |
| FORWARD VOLTAGE* |                      | 4.0/8.0 | 5.0/10.0 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE  | 5.0                  |         |          | V <sub>r</sub> | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY  |                      | 15000   |          | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:   | YELLOW               |         |          |                |                      |
| FACE COLOR:      | GRAY                 |         |          |                |                      |
| SEGMENT COLOR:   | MILKY WHITE DIFFUSED |         |          |                |                      |

\* SECOND VALUE FOR FOUR CHIPS IN B,C,E,F,J,M.

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              | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.6       | 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 |                      |

\*  $t < 10\mu\text{s}$ 

UNCONTROLLED DOCUMENT

\*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), W.N.=+DECIMAL PRECISION -0.00 MAX.=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

LDS-EB233RI-SY

2.3" SINGLE DIGIT, 16 SEGMENT LED DISPLAY,  
590nm YELLOW 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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DATE: 7.18.03

PAGE: 1 OF 1

SCALE: N/A