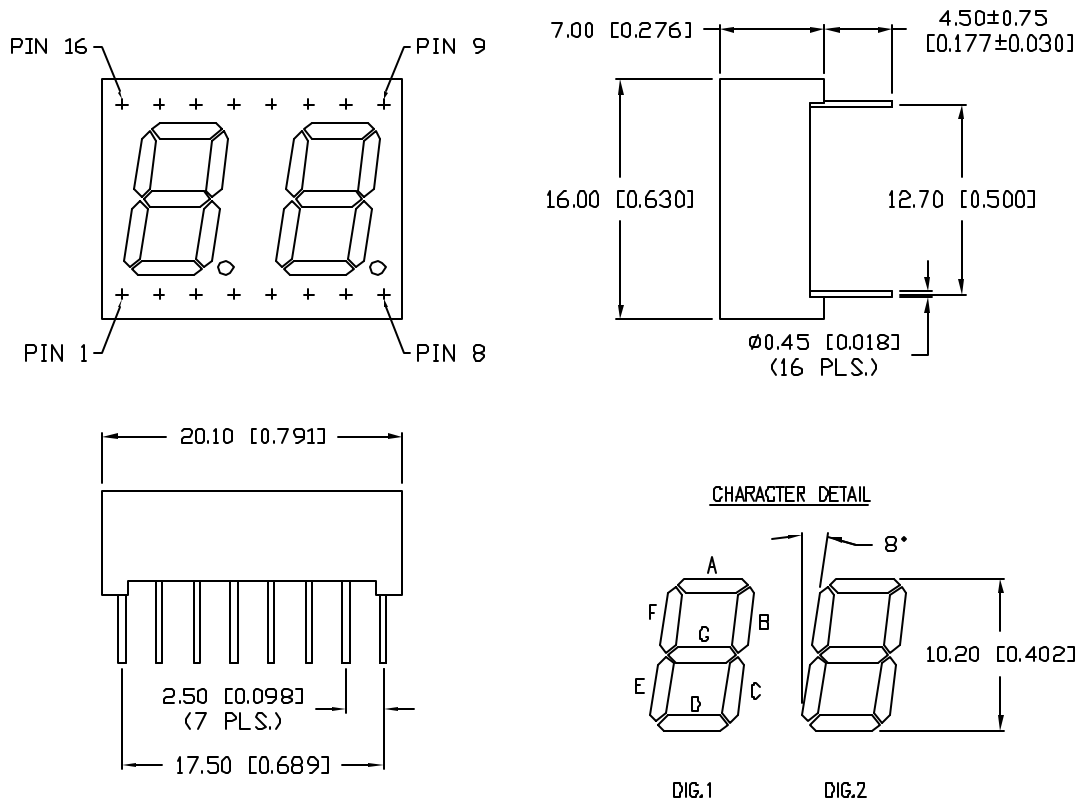
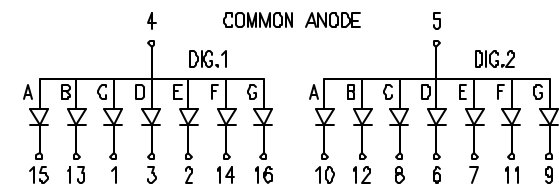




| PART NUMBER |                                     | REV.    |
|-------------|-------------------------------------|---------|
| LDD-A404NI  |                                     | B       |
| REV.        | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
| A           | E.C.N. #10BRDR. & REDRAWN.          | 2-12-99 |
| B           | E.C.N. #11148.                      | 4.25.07 |

| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$ |                      |           |     |                |                      |
|--------------------------------------------------------------------------|----------------------|-----------|-----|----------------|----------------------|
| PARAMETER                                                                | MIN                  | TYP       | MAX | UNITS          | TEST COND            |
| PEAK WAVELENGTH                                                          |                      | 635 (RED) |     | nm             |                      |
| FORWARD VOLTAGE                                                          |                      | 2.0       | 2.5 | $V_f$          |                      |
| REVERSE VOLTAGE                                                          | 5.0                  |           |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                                          |                      | 3900      |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:                                                           | RED                  |           |     |                |                      |
| FACE COLOR:                                                              | GRAY                 |           |     |                |                      |
| SEGMENT COLOR:                                                           | MILKY WHITE DIFFUSED |           |     |                |                      |

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

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

②



\*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.=<sup>+0.00</sup><sub>-0.00</sub> DECIMAL PRECISION MAX.=<sup>+0.00</sup><sub>-0.00</sub> DECIMAL PRECISION

REV.

B

PART NUMBER

LDD-A404NI

## 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.



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

CHECKED BY:

APPROVED BY:

DATE: 1.16.97

PAGE: 1 OF 1

SCALE: N/A

0.40" SEVEN SEGMENT, DUAL DIGIT DISPLAY,  
635nm RED CHIPS, GRACE FACE WITH WHITE SEGMENTS,  
COMMON ANODE, NO CHIPS IN DECIMALS.

# AMEYA360

## Components Supply Platform

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Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email [amall@ameya360.com](mailto:amall@ameya360.com)

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email [service@ameya360.com](mailto:service@ameya360.com)

➤ Partnership :

Tel +86 (21) 64016692-8333

Email [mkt@ameya360.com](mailto:mkt@ameya360.com)