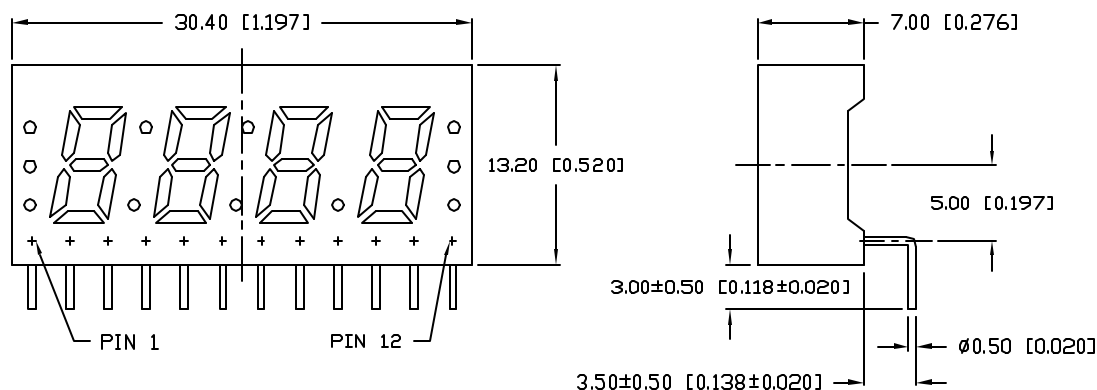


| DATE    | REVISIONS                   | REV |
|---------|-----------------------------|-----|
| 2-18-98 | E.C.N. #10BRDR. & REDRAWN./ | A   |

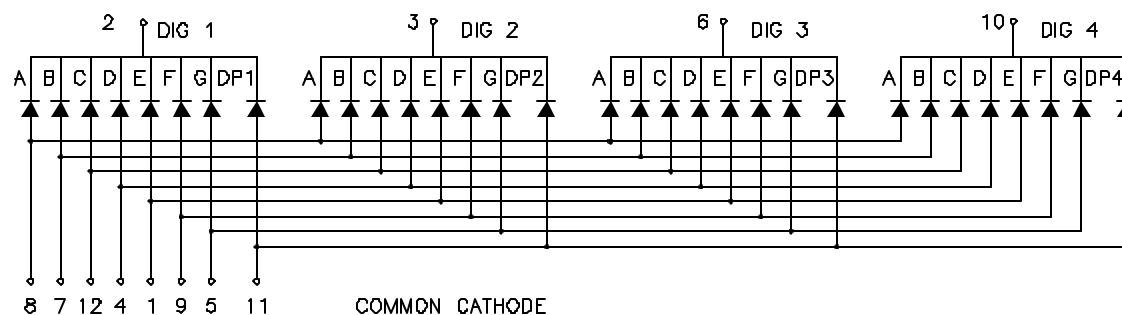
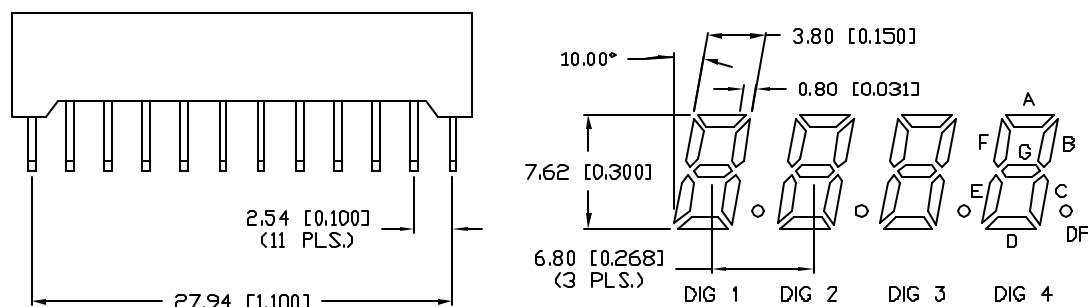
| DRAWING NUMBER | REV |
|----------------|-----|
| LDQ-N3402RI    | A   |

SAME AS PART# LDQ-N3042RI-RA

*UNCONTROLLED DOCUMENT*



#### DIGIT DETAIL



COMMON CATHODE

*UNCONTROLLED DOCUMENT*

UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.25\text{mm}$  ( $\pm 0.010$ )

OR/DW

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

| PARAMETER       | MIN                  | TYP         | MAX | UNITS          | TEST COND              |
|-----------------|----------------------|-------------|-----|----------------|------------------------|
| PEAK WAVELENGTH |                      | 565 (GREEN) |     | nm             |                        |
| FORWARD VOLTAGE |                      | 2.2         | 2.6 | $V_f$          |                        |
| REVERSE VOLTAGE | 5.0                  |             |     | $V_r$          | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 1500        |     | $\mu\text{cd}$ | $I_f = 10\text{mA}$    |
| EMITTED COLOR:  | GREEN                |             |     |                |                        |
| FONT COLOR:     | GREY                 |             |     |                |                        |
| SEGMENT COLOR:  | MILKY WHITE DIFFUSED |             |     |                |                        |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 160        | mA                   |
| STEADY CURRENT                 | 25         | mA                   |
| POWER DISSIPATION              | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -30 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                | 3 SEC. MAX |                      |

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

#### 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.

**LUMEX**  
INCORPORATED

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|               |      |        |       |
|---------------|------|--------|-------|
| DATE: 4-22-94 | DWN: | CHK'D: | APPD: |
| SCALE: N/A    |      |        |       |

0.3", QUAD DIGIT RIGHT ANGLE SEVEN SEGMENT DISPLAY, GREEN, GREY FONT/WHITE SEGMENTS, COMMON CATHODE.

|             |                               |          |
|-------------|-------------------------------|----------|
| PAGE 1 OF 1 | DRAWING NUMBER<br>LDQ-N3402RI | REV<br>A |
|-------------|-------------------------------|----------|

# AMEYA360

## Components Supply Platform

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