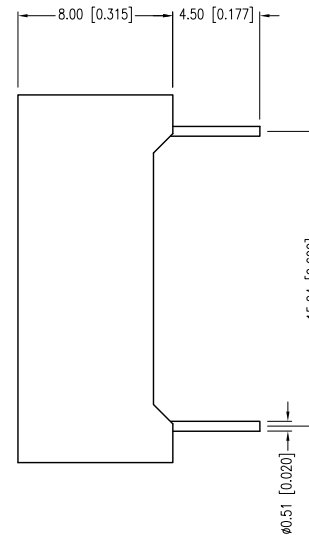
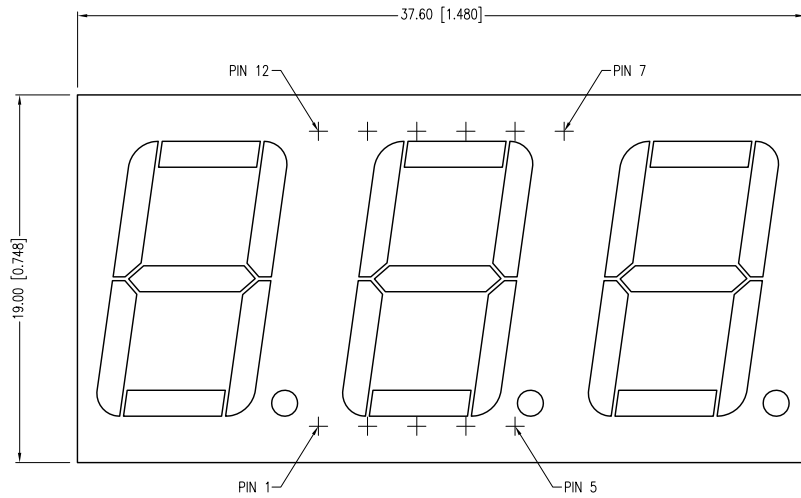


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | LDT-N512RI-SUG                      | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 07.27.12    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |



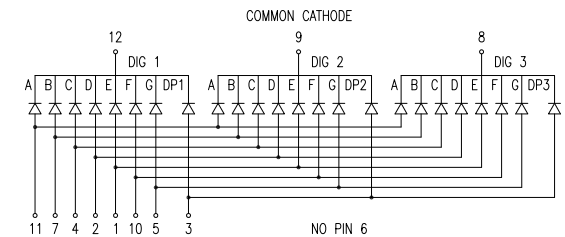
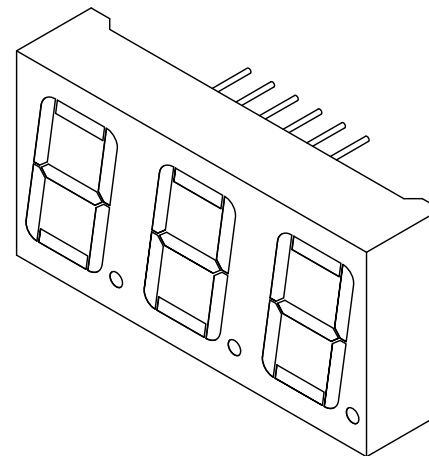
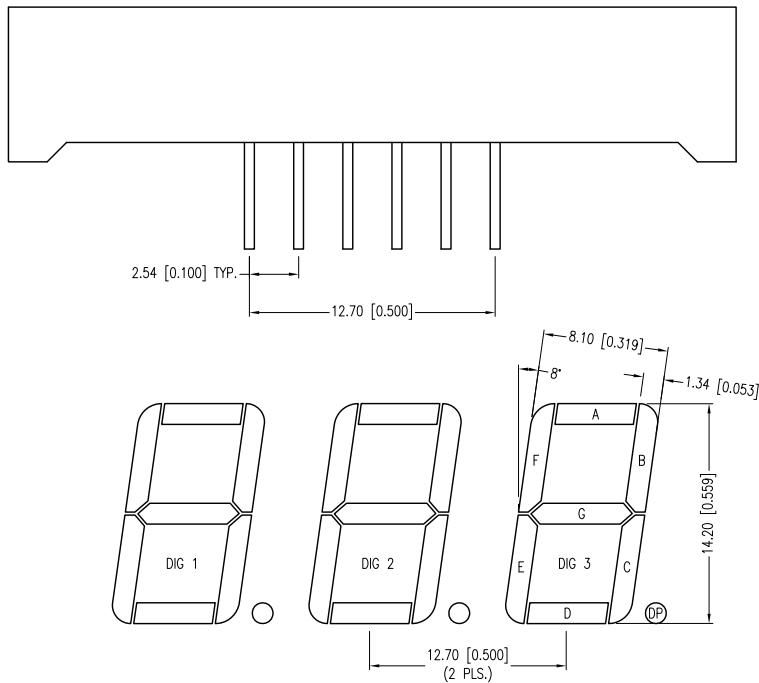
## ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=10mA

| PARAMETER       | MIN                  | TYP  | MAX | UNITS | TEST COND |
|-----------------|----------------------|------|-----|-------|-----------|
| PEAK WAVELENGTH |                      | 574  |     | nm    |           |
| FORWARD VOLTAGE |                      | 2.2  | 2.6 | Vf    |           |
| REVERSE VOLTAGE | 5.0                  |      |     | Vr    | Ir=100μA  |
| AXIAL INTENSITY |                      | 7000 |     | μcd   | If=10mA   |
| EMITTED COLOR:  | GREEN                |      |     |       |           |
| FACE COLOR:     | GRAY                 |      |     |       |           |
| LENS FINISH:    | MILKY WHITE DIFFUSED |      |     |       |           |

## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 150        | mA    |
| STEADY CURRENT        | 25         | mA    |
| POWER DISSIPATION     | 105        | mW    |
| DERATE FROM 25°C      | -1.2       | mW/°C |
| OPERATING TEMP.       | -40 TO +85 | °C    |
| STORAGE TEMP.         | -40 TO +85 | °C    |
| SOLDERING TEMP.       | +260       | °C    |
| 2.0mm FROM BODY       | 3          | SEC.  |

\* t&lt;10μS



|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                          |  |                 |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--------------|
|  <p>290 E. HELEN ROAD<br/>PALATINE, IL 60067-6976<br/>PHONE: +1.847.359.2790<br/>FAX: +1.847.359.6538<br/>WEB: WWW.LUMEX.COM<br/>MEMBER OF ITW PHOTONICS GROUP</p> | QUASARBRITE 0.56" 3 DIGIT, 7 SGM T LED DISPLAY, 574nm GREEN, COMMON CATHODE, MULTIPLEXED.                                                                                                                                                                                                                                                                |  | DATE: 07.27.12  | DRAWN BY: AB |
|                                                                                                                                                                                                                                                      | **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**                                                                                                                                                                                                                                                |  | PAGE: 1 OF 1    | CHKD BY: SS  |
|                                                                                                                                                                                                                                                      | CONFIDENTIAL INFORMATION<br>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. |  | SCALE: NTS      | APRVD BY: SS |
|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                          |  | UNIT: mm [INCH] | Ⓢ            |