



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

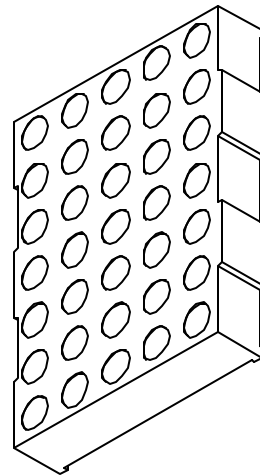
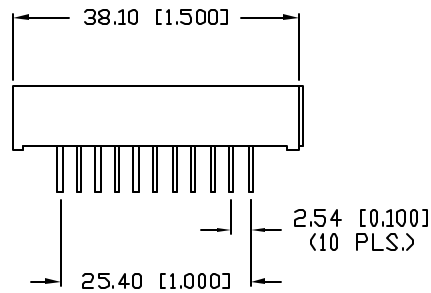
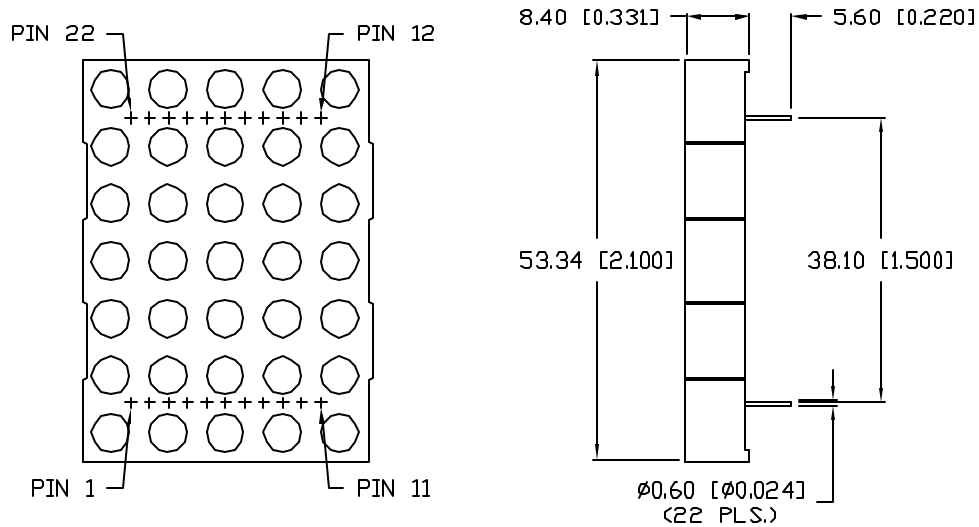
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



UNCONTROLLED DOCUMENT

| | | |
|---------------|-------------------------------------|---------|
| PART NUMBER | | REV. |
| LDM-2124757NI | | A |
| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
| A | E.C.N. #10BRDR. & REDRAWN IN 3D. | 6.28.03 |



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

| PARAMETER | GREEN | RED | BLUE | UNITS | TEST COND |
|------------------------|----------------------|------|------|----------------|----------------------|
| PEAK WAVELENGTH | 565 | 635 | 430 | nm | |
| FORWARD VOLTAGE (TYP.) | 2.2 | 2.0 | 4.5 | V_f | |
| FORWARD VOLTAGE (MAX.) | 2.6 | 2.5 | 5.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | 5.0 | 5.0 | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | 2500 | 2000 | 2000 | μcd | $I_f=10\text{mA}$ |
| FACE COLOR: | GRAY | | | | |
| SEGMENT COLOR: | MILKY WHITE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER DOT

| PARAMETER | COLORS | MAX | UNITS |
|----------------------------------|---------|------------|------------------------|
| PEAK FORWARD CURRENT* | | 150 | mA |
| STEADY CURRENT | (G/R/B) | 25/30/30 | mA |
| POWER DISSIPATION | | 105 | mW |
| DERATE FROM 25°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 |

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

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

| | |
|---|---------------|
| REV. | PART NUMBER |
| A | LDM-2124757NI |
| 2.10", FULL COLOR, 5 x 7 DOT MATRIX LED DISPLAY, RGB CHIPS, GRAY FACE WITH WHITE SEGMENTS, COLUMN CATHODE, 22 PINS. | |

CONFIDENTIAL INFORMATION
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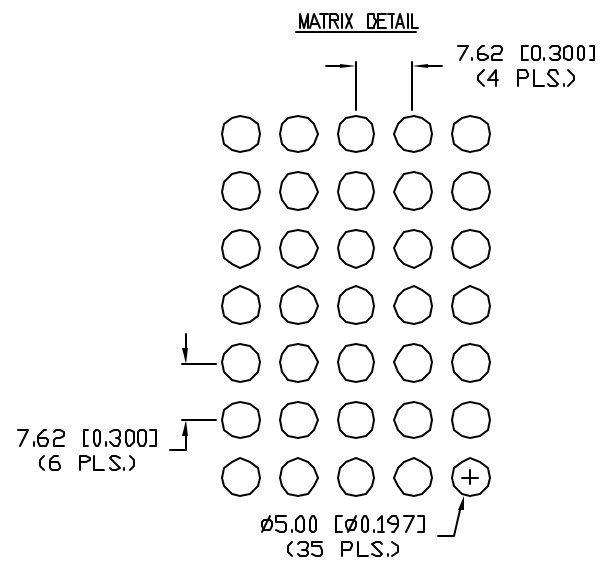
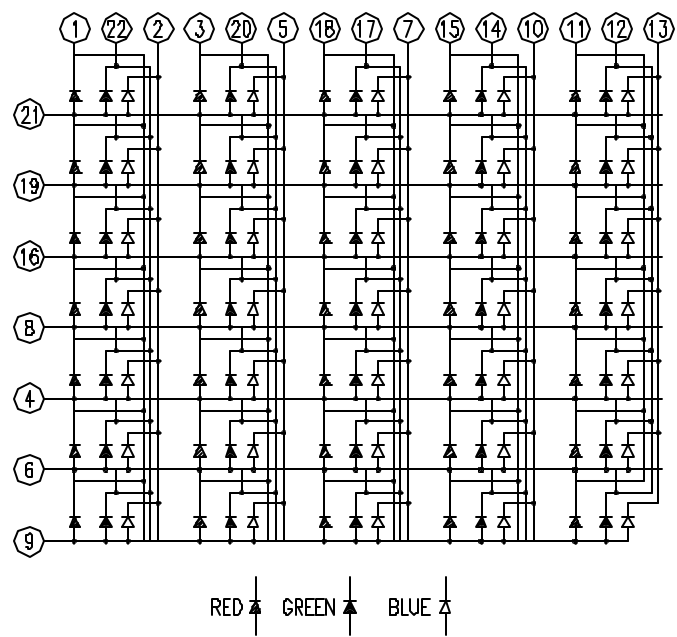
RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

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| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 8.19.96 |
| BC | | | PAGE: 1 OF 2 |
| | | | SCALE: N/A |

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| PART NUMBER LDM-2124757NI | | REV. A |
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| 2.10", FULL COLOR, 5 x 7 DOT MATRIX, LED DISPLAY, RGB CHIPS, GRAY FACE WITH WHITE DOTS, COLUMN CATHODE, 22 PINS. | | DRAWN BY: BC CHECKED BY: APPROVED BY: | DATE: 8.19.96 PAGE: 2 OF 2 SCALE: N/A |