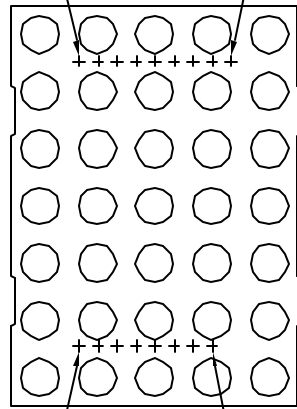


UNCONTROLLED DOCUMENT

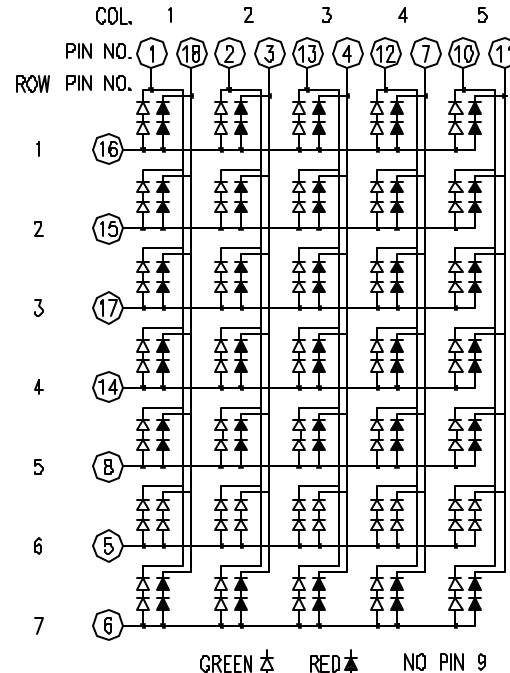
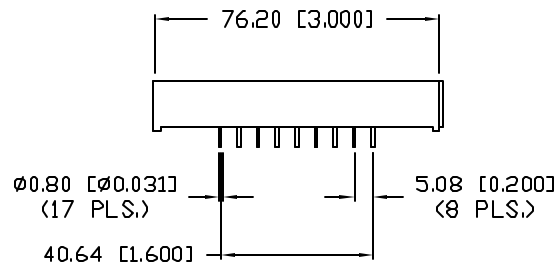
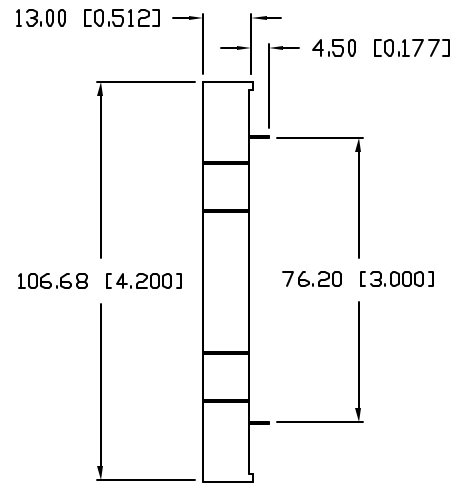
PIN 18

PIN 10



PIN 1

PIN 8

GREEN \star RED \star NO PIN 9PART NUMBER
LDM-424257NIREV.
B

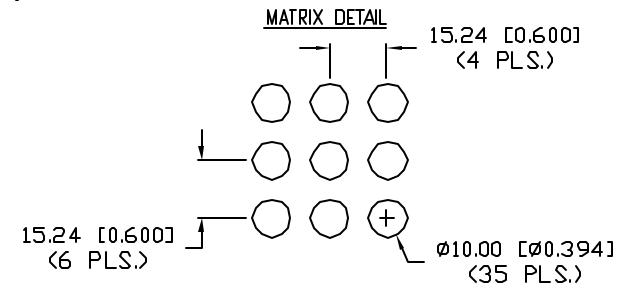
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10387.	5.20.98
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	7.5.03

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	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		4.0/4.4	5.0/5.2	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G)		2000/2500		μcd	$I_f=10\text{mA}$
EMITTED COLOR:		RED/GREEN			
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	(R/G)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.6	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°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), 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.=+DECIMAL PRECISION MAX.=+0.00 -0.00

REV.

B

PART NUMBER

LDM-424257NI

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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

4.2" 5 x 7 DOT MATRIX LED DISPLAY, COLUMN CATHODE,
RED/GREEN CHIPS, GRAY FACE WITH WHITE DOTS.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 7.23.96

PAGE: 1 OF 1

SCALE: N/A

Mouser Electronics

Authorized Distributor

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