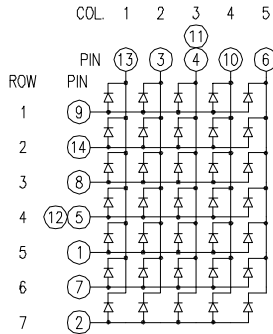
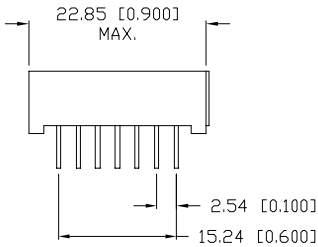
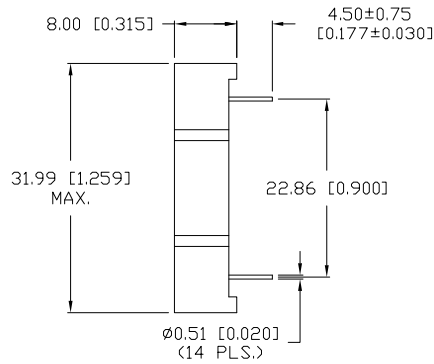
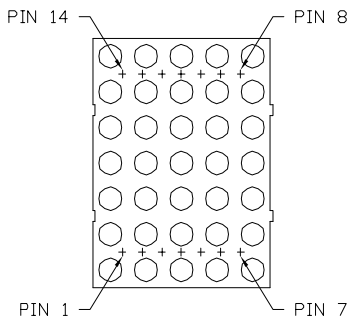


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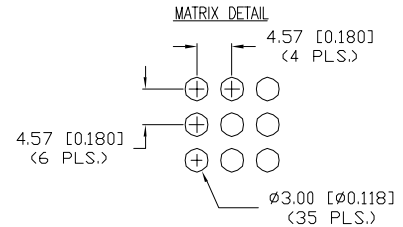


PART NUMBER		REV.
LDM-12457NI		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #103B7 & REDRAWN.	6-17-98
B	E.C.N. #10BRDR.	7-15-99

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			$V_r$	$I_f=100\mu\text{A}$
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

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



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

REV.	PART NUMBER
B	LDM-12457NI

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**LUMEX INCORPORATED** 290 E. HELLEN ROAD PALATINE, ILLINOIS 60067  
 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM

1.2" 5 x 7 DOT MATRIX DISPLAY, 635nm RED CHIPS, GRAY FACE WITH WHITE DOTS, COLUMN CATHODE.

**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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 4-27-94
BC			PAGE: 1 OF 1
			SCALE: N/A