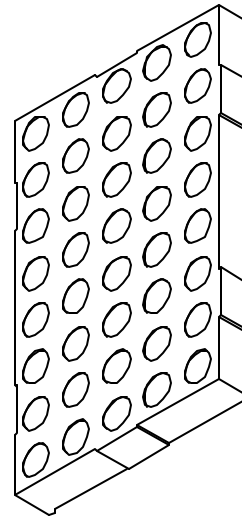
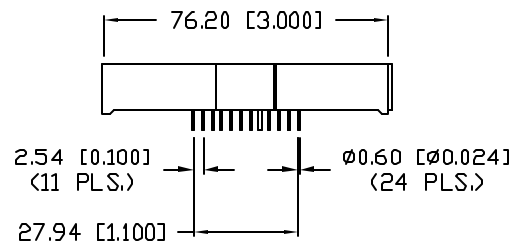
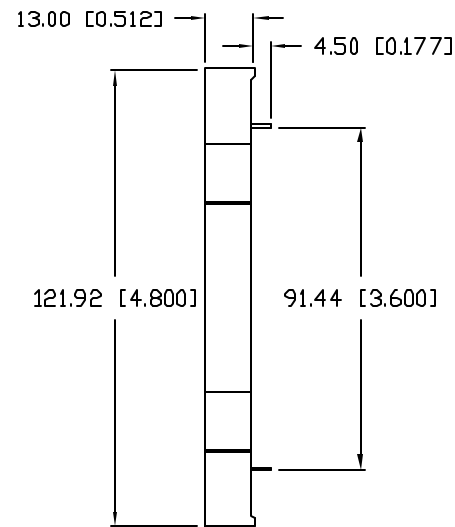
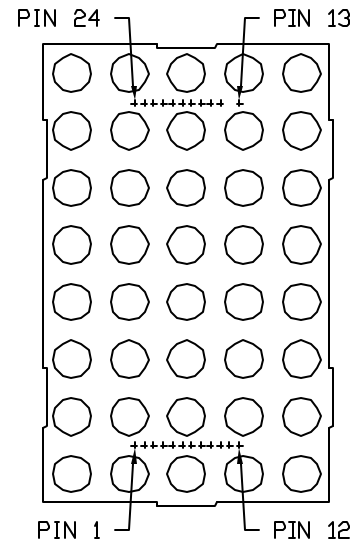


UNCONTROLLED DOCUMENT

PART NUMBER

LDM-4224758NSIUPUB

REV.

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

PARAMETER	GREEN	RED	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	525	636	470	nm	
FORWARD VOLTAGE (TYP.)	3.5	2.0	3.5	V _f	
FORWARD VOLTAGE (MAX.)	4.0	2.5	4.0	V _f	
REVERSE VOLTAGE	5.0	5.0	5.0	V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	7000	13000	6000	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	(G/R/B)	120/105/120	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

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

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

UNCONTROLLED DOCUMENT

*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=+0.00 (±0.00) MAX=+0.00 (±0.00)

REV.

PART NUMBER

LDM-4224758NSIUPUB

4.2" 5 x 8 DOT MATRIX, LED DISPLAY,
RGB FULL COLOR, GRAY FACE WITH WHITE DOTS,
COLUMN CATHODE, 24 PINS.

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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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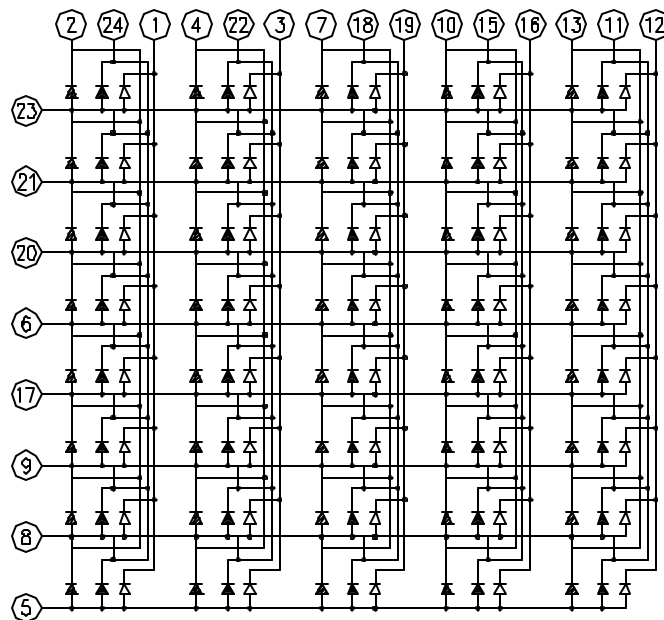
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APPROVED BY:

DATE: 8.11.03

PAGE: 1 OF 2

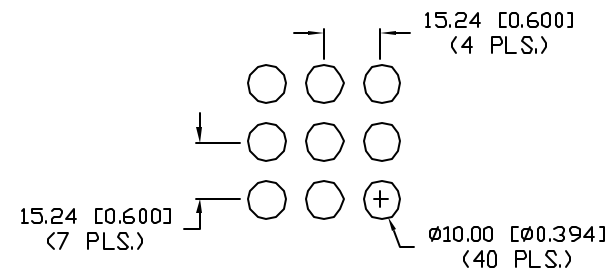
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NO PIN 14

RED  GREEN  BLUE 

MATRIX DETAIL



*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 -DECIMAL PRECISION

REV.

PART NUMBER

LDM-4224758NSIUPUB

4.2" 5 x 8 DOT MATRIX, LED DISPLAY,
RGB FULL COLOR, GRAY FACE WITH WHITE DOTS,
COLUMN CATHODE, 24 PINS.

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