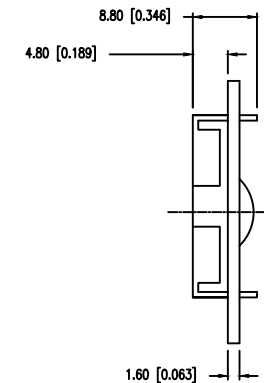
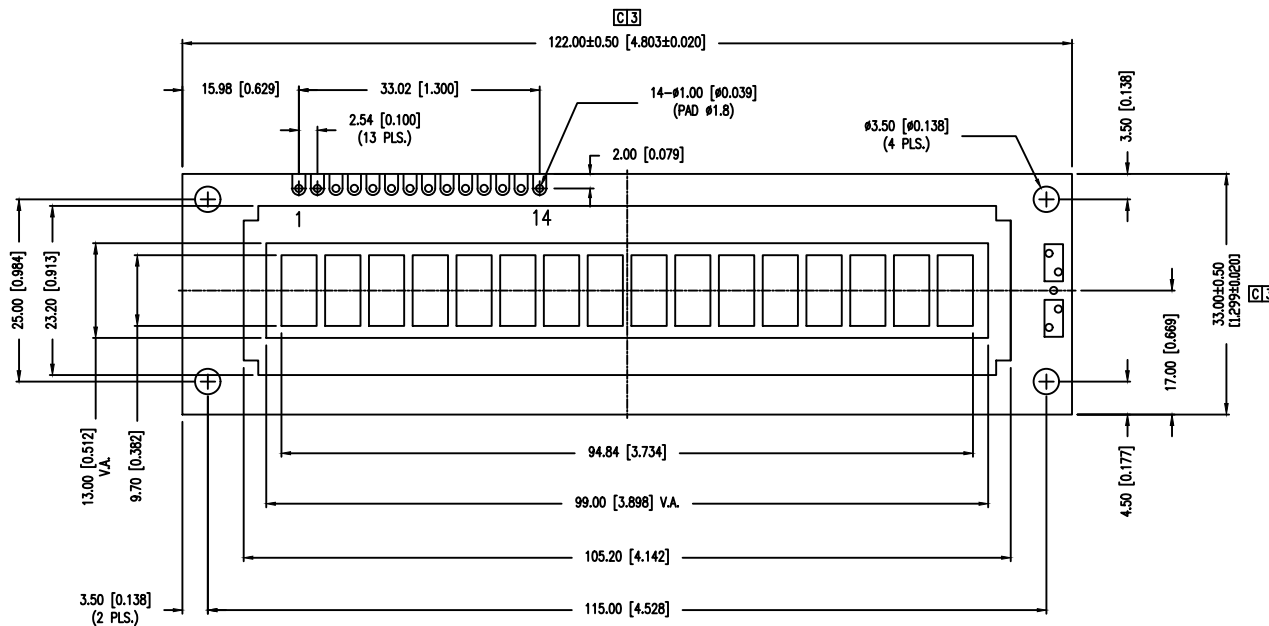
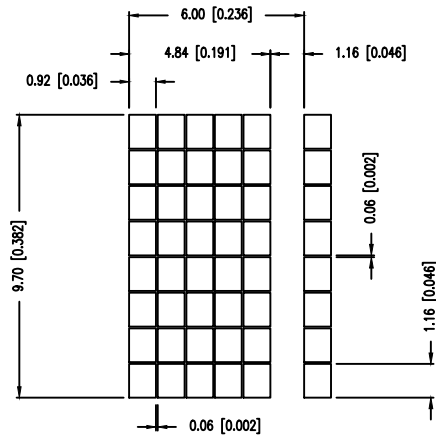


CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

CHARACTER DETAIL



C3 C3 C3

*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 -DECIMAL PRECISION

P:\ARTWORK\Lumex logos\LUMEX-09.bmp

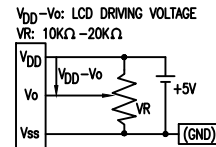
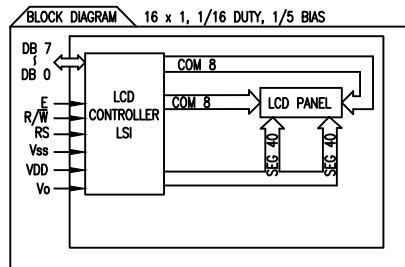
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9.70mm CHARACTER HEIGHT 5x8 DOT MATRIX STN REFLECTIVE 16x1 CHARACTER LCD MODULE 1/16 DUTY 1/5 BIAS

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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UNCONTROLLED DOCUMENT
DATE: 02.18.02 DRAWN BY: CT
PAGE: 2 OF 1 CHKD BY: -
SCALE: N/A APRVD BY: -
UNIT: mm [INCH] (N)



PIN CONFIGURATION			
PIN NO.	SYMBOL	LEVEL	FUNCTION
1	Vss	-	POWER SUPPLY GND (0V) 5V FOR LCD DRIVE
2	VDD	-	
3	Vo	-	
4	RS	H/L	REGISTER SELECT SIGNAL H: DATA INPUT L: INSTRUCTION INPUT
5	R/W	H/L	H: DATA READ (MODULE-->MPU) L: DATA WRITE (MODULE<--MPU)
6	E	H,H->L	ENABLE
7~14	DB0~DB7	H/L	DATA BUS-SOFTWARE SELECTABLE 4 OR 8 BIT MODE.

ELECTRICAL CHARACTERISTICS				$V_{DD}=4.7V$ to $5.3V$, $T_A=25^\circ C$		
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
SUPPLY VOLTAGE FOR LOGIC	$V_{DD}-V_{SS}$	-	MIN.	TYP.	MAX.	V
SUPPLY CURRENT FOR LOGIC	I_{DD}	$V_{DD}=5V$	-	5.0	-	mA
INPUT VOLTAGE	HIGH	V_{IH}	-	2.2	-	V_{DD} V
	LOW	V_{IL}	-	0	-	0.6 V
OUTPUT VOLTAGE	HIGH	V_{OH}	-	2.4	-	V
	LOW	V_{OL}	-	-	-	0.4 V

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -V _{SS}	T _a =25°C	4.7	5.3	V
SUPPLY VOLTAGE FOR LCD DRIVE	V _{DD} -V _o	—	4.2@50°C	4.8@0°C	V
INPUT VOLTAGE	V _i	T _a =25°C	V _{SS}	V _{DD}	V
OPERATING TEMPERATURE	T _{opr}	LCM-S	0	50	°C
STORAGE TEMPERATURE	T _{stg}	LCM-S	-20	70	°C

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			PAGE: 2 OF 2	CHKD BY:
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