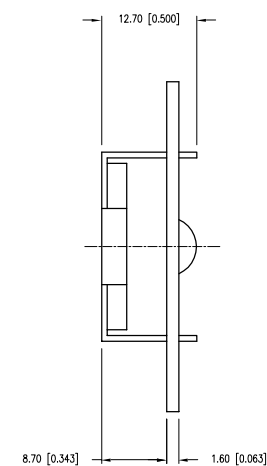
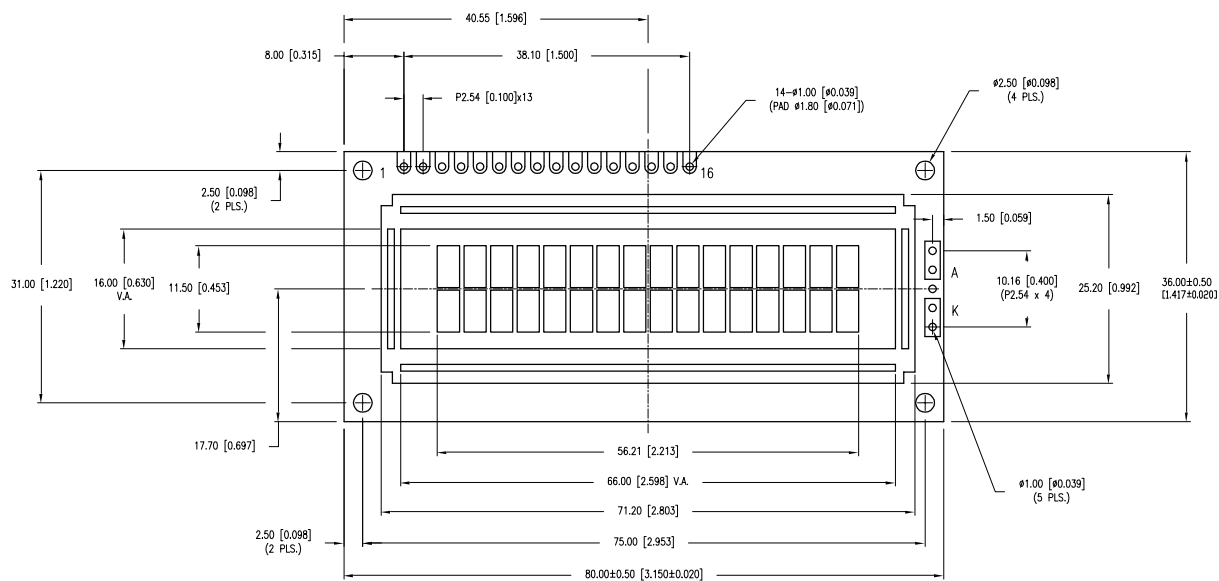
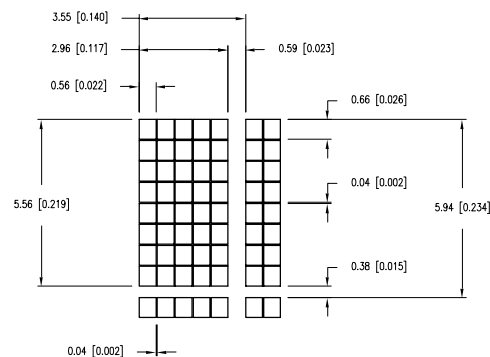


CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

CHARACTER 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 -0.00 MAX.= +0.00 -DECIMAL PRECISION

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5.56mm CHARACTER HT, 5 x 8 DOT MATRIX, STN, TRANSFLECTIVE WITH LED BACKLIGHT, 16 x 2 LCD MODULE.

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

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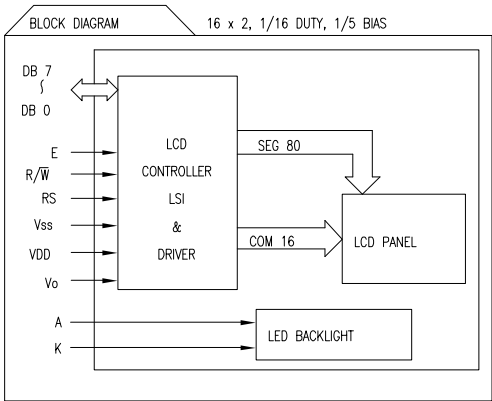
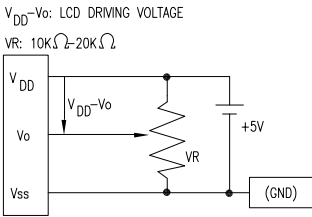
DATE:	06.01.10	DRAWN BY:	JH
PAGE:	1 OF 2	CHKD BY:	BC
SCALE:	N/A	APRVD BY:	SA
UNIT:	mm [INCH]		(P)

UNCONTROLLED DOCUMENT

PIN CONFIGURATION			
PIN NO.	SYMBOL	LEVEL	FUNCTION
1	Vss	—	POWER SUPPLY
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.
15	A	—	ANODE
16	K	—	CATHODE

ELECTRICAL CHARACTERISTICS		VDD=4.7V to 5.3V, TA=25°C				
ITEM		SYMBOL	CONDITION	STANDARD VALUE		
				MIN.	TYP.	MAX.
SUPPLY VOLTAGE FOR LOGIC		VDD-Vss	—	—	5.0	—
SUPPLY CURRENT FOR LOGIC		IDD	VDD=5V	—	2.0	3.0
INPUT VOLTAGE	HIGH	VIH	—	2.2	—	VDD
	LOW	VIL	—	0	—	0.6
OUTPUT VOLTAGE	HIGH	VOH	—	2.4	—	—
	LOW	VOL	—	—	—	0.4
*LED BACKLIGHT	VOLTAGE	Vf	If=160mA	—	4.2	4.6
	CURRENT	If	—	—	160	—
	POWER CUNSUMPTION	PD	—	—	656	—
	LUMINOUS	L	If=160mA	70	—	—
	COLOR	—	—	—	—	—

*ONLY APPLIES TO MODULES WITH BACKLIGHT



ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
			MIN	MAX	
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	4.7	5.3	V
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	—	4.2@50°C	4.8@0°C	V
INPUT VOLTAGE	VI	Ta=25°C	Vss	VDD	V
OPERATING TEMPERATURE	Topr	LCM-H	-20	70	°C
STORAGE TEMPERATURE	Tstg	LCM-H	-30	80	°C