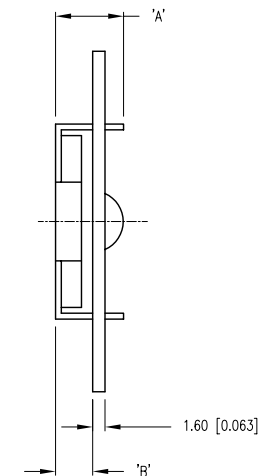
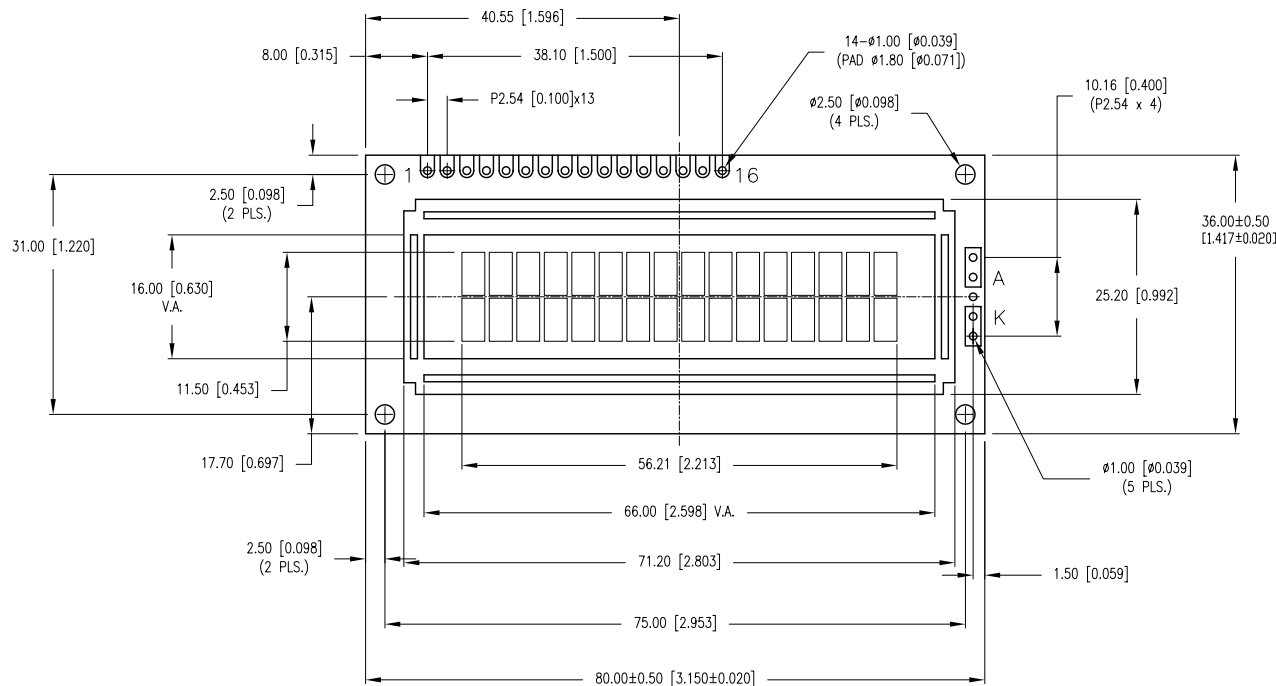


P/N PREFIX/SUFFIX TABLE		
LCM-X	DXX	DESCRIPTION
STANDARD	S	SR STN, REFLECTIVE
	SF	STN, TRANSFLECTIVE(W/ BACKLIGHT)
HIGH TEMP.	H	TR TN, REFLECTIVE
	TF	TN, TRANSFLECTIVE(W/ BACKLIGHT)

TYPE	DIM.	A	B
WITH BACKLIGHT		12.7	8.7
NO BACKLIGHT		8.8	4.8



*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= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX.= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

UNCONTROLLED DOCUMENT



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5.56mm CHARACTER HEIGHT, 5x8 DOT MATRIX,

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

CONFIDENTIAL INFORMATION

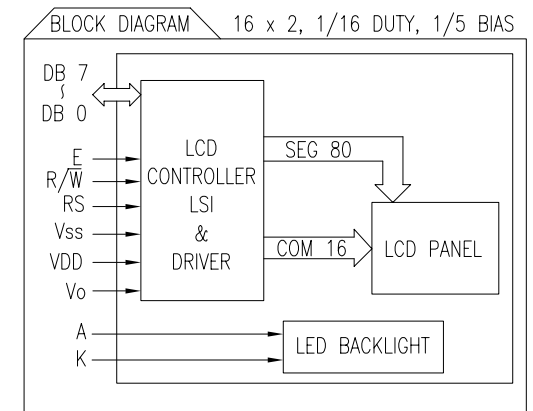
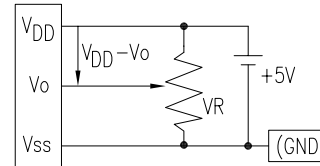
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DATE: 03.02.11	DRAWN BY: AB
PAGE: 1 OF 2	CHKD BY: SS
SCALE: NTS	APRVD BY: KF
UNIT: mm [INCH]	

PART NUMBER	LCM-S01602DSR/A	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.02.11	E.C.N. #10BRDR. & REDRAWN.		A

PIN CONFIGURATION				
PIN NO.	SYMBOL	LEVEL	FUNCTION	
1	Vss	—	POWER SUPPLY	GND (0V)
2	VDD	—		5V
3	Vo	—		FOR LCD DRIVE
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	LED BACKLIGHT
16	K	—	CATHODE	LED BACKLIGHT

VDD-Vo: LCD DRIVING VOLTAGE
VR: 10KΩ~20KΩ



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

*ONLY APPLIES TO MODULES WITH BACKLIGHT

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
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-S	0	50	°C
		LCM-H	-20	70	°C
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	°C
		LCM-H	-30	85	°C

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				UNIT: mm [INCH]	Ⓟ