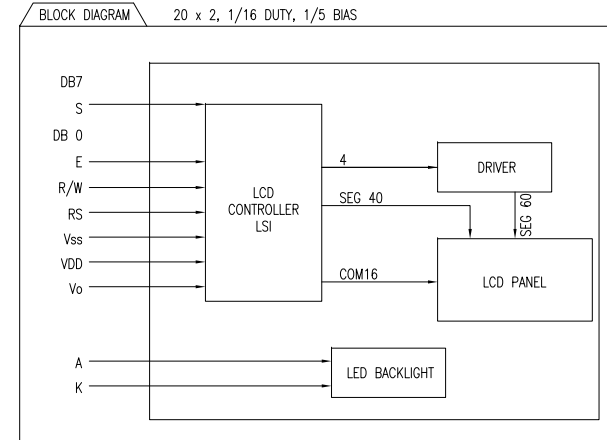
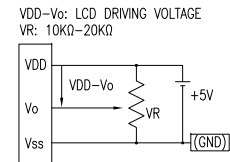


PART NUMBER	LCM-H02002DSF	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
11.16.12	E.C.N. #10BRDR. & REDRAWN.		A

A

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 LED BACKLIGHT
16	K	—	CATHODE LED BACKLIGHT



ELECTRICAL CHARACTERISTICS		Vdd=4.7V to 5.3V, Ta=25°C				
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
SUPPLY VOLTAGE FOR LOGIC	Vdd-Vss	—	MIN	TYP	MAX	V
SUPPLY CURRENT FOR LOGIC	Idd	Vdd=5V	—	2.0	3.0	mA
INPUT VOLTAGE	HIGH	Vih	—	2.2	VDD	V
	LOW	Vil	—	0	0.6	V
OUTPUT VOLTAGE	HIGH	Vol	I _{OH} =-0.205mA	2.4	—	V
	LOW	Voh	I _{OL} =1.6mA	—	0.4	V
LED BACKLIGHT	VOLTAGE	Vf	If=210mA	—	4.2	V
	CURRENT	If	—	—	210	mA
	POWER CONSUMPTION	PD	—	—	1279	mW
	LUMINOUS	L	If=210mA	70	—	cd/m ²
	COLOR	—	—	—	—	nm

ABSOLUTE MAXIMUM RATINGS		STANDARD VALUE			
ITEM	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
SUPPLY VOLTAGE FOR LOGIC	Vdd-Vss	Ta=25°C	4.7	5.3	V
SUPPLY VOLTAGE FOR LCD DRIVE	Vdd	—	4.2@50°C	4.8@0°C	V
INPUT VOLTAGE	Vi	—	Vss	Vdd	V
OPERATING TEMPERATURE	Topr	LCM-H	-20	70	°C
STORAGE TEMPERATURE	Tstg	LCM-H	-20	85	°C

*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}

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

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