

LCM-H02002DSF-Y

5.55mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX, 20 x 2 CHARACTER LCD MODULE, STN, YELLOW, TRANSFLECTIVE, 1/16 DUTY, 1/5 BIAS, EXTENDED TEMP.

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PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM

CHECKED BY: APPROVED BY: DATE: 8-17-98 DRAWN BY: PAGE: 1 OF 2 SCALE: N/A SA/DU

PART NUMBER LCM-H02002DSF-Y

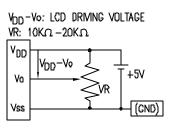
E.C.N. NUMBER AND REVISION COMMENTS

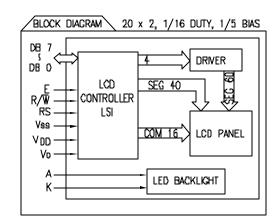
DATE

REV.

PIN CONFIGURATION

PIN NO.	SYMBOL	LEVEL	FUNCTION					
1	Vss	-	GND (av)					
2	v_{DD}	-	POWER SUPPLY	5V				
3	۷o	1		FOR LCD DRIVE				
	53	H/L	REGISTER SELECT SIGNAL					
4			H: DATA INPUT					
			L: INSTRUCTION INPUT					
5	R∕W	H/L	H: DATA READ (MODULE>MPU)					
			L: DATA WRITE (MODULE <mpu)< td=""></mpu)<>					
6	E	H,H->L	ENABLE					
7~14	DBO~DB7	H/L	DATA BUS-SOFTWARE	SELECTABLE 4 OR 8 BIT MODE.				
15	Α	1	ANODE	LED BACKLIGHT				
16	K	-	CATHODE	LED BACKLIGHT				





ELECTRICAL CHARACTERISTICS

 $V_{DD}=4.7V$ to 5.3V, $T_A=25^{\circ}C$

			7.7						
ПЕМ			SYMBOL	CONDITION	STANDARD VALUE		UNIT	APPLICABLE TERMINAL	
SUPPLY VOLTAGE FOR LOGIC			V _{DD} -Vss	_	-	5.0	-	٧	v_{DD}
SUPPLY CURRENT FOR LOGIC			IDD	V _{DD} =5V	_	2.0	3.0	mA	V_{DD}
INPUT VOLTAGE HIGH LOW		٧ _{IH}	1	2.2	-	VDD.	٧	RS,R/W,E	
		LOW	٧ _{IL}	1	0	-	0.6	٧	D80~D87
OUTPUT VOLTAGE HIGH LOW		V _{OH}	l _{OH} =−0.205mA	2.4	-	-	٧	D80~D87	
		LOW	V _{OL}	I _{OL} =1.6ma	1	-	0.4	٧	RS,R/W,E
*LED BACKLIGHT	VOLTAGE		Vf	lf=210mA	1	4.2	4.6	V	ı
	CURRENT		If	1	1	210	275	mΑ	ı
	POWER CUNSUMPTION		PD	1	1	1279	1	mW	ı
	LUMINOUS		L	lf=210mA	70	-	-	cd/m²	-
	COLOR		_	_	_	_	_	nm	_

*ONLY APPLIES TO MODULES WITH BACKLIGHT

ABSOLUTE MAXIMUM RATINGS

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ITEM	SYMBOL	TEST	STANDAR	UNIT	
ITEM	JIMDUL	CONDITION	MIN	MAX	ONI
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -Vss	Ta=25°C	4.7	5.3	>
SUPPLY VOLTAGE FOR LCD DRIVE	Vpp-Va	ı	4.2 0 50°C	4.8 © 0°C	>
INPUT VOLTAGE	٧	ı	Vss	v _{DD}	>
OPERATING TEMPERATURE	Topr	LCM-H	-20	70	.c
STORAGE TEMPERATURE	Tetg	L¢M-H	-30	85	.C

*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

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290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM

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SA/DU

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Mouser Electronics

Authorized Distributor

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