

## UNCONTROLLED DOCUMENT

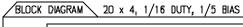
PART NUMBER	
LCM-S02004DSF-W	!

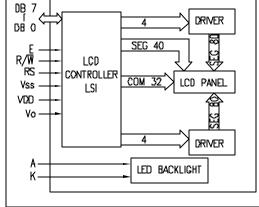
## PIN CONFIGURATION

PIN NO.	SYMBOL	LEVEL	FUNCTION				
1	V95	-	GND (OV)				
2	VDD	-	POWER SUPPLY	POWER SUPPLY 5V			
3	Vd	-		FOR LCD DRIVE			
			REGISTER SELECT SIG	NAL			
4	RS	H/L	H: DATA INPUT				
			L; INSTRUCTION INPUT				
5	R∕₩		h: data read (modu	LE>MPU>			
U U		N/W	N/W	N/W	H/L	L; DATA WRITE (MODU	ILE <mpu></mpu>
6	Ε	H,H->L	ENABLE				
7~14	DB0~DB7	H/L	DATA BUS-SOFTWARE SELECTABLE 4 OR B BIT MODE.				
15	Α	3.4V	ANODE LED BACKLIGHT				
16	K	GND	CATHODE LED BACKLIGHT				

	AL CHARACT	TERISTICS	V <sub>DD</sub> =	4.7V to 5.3V, TA=	25°C			
ITEN			SYMBOL	CONDITION	STANDARD VALUE			UNIT
IICM	ITEM			CONDITION	MIN.	TYP.	MAX.	
SUPPLY VC	LTAGE FOR	LOGIC	V <sub>DD</sub> -Vss	-	-	5.0	-	٧
SUPPLY CURRENT FOR LOGIC			l <sub>DD</sub>	V <sub>DD</sub> =5V	-	3.0	4.0	mA
HIGH		HIGH	VIH	-	2.2	I	VDD	٧
INPUT VOLI	INPUT VOLTAGE		V <sub>IL</sub>	-	0	-	0.6	٧
		HIGH	V <sub>ОН</sub>	I <sub>OH</sub> =-0.205mA	2.4	-	-	٧
OUTPUT VC	OUTPUT VOLTAGE		V <sub>QL</sub>	I <sub>OL</sub> =1.6ma	-	-	0.4	٧
	VOLTAGE		Vf	lf=20mA	-	3.4	3.5	٧
*I FD	CURRENT		lf	-	-	20	30	mA
BACKLIGHT	POWER CUNSUMPTION		PD	-	-	68	105	mW
	LUMINOUS		Ĺ	lf=20mA	30	35	-	cd/m²
	COLOR		WHITE	_	-	-	-	nm

V<sub>DD</sub>-Vo: LCD DRIVING VOLTAGE VR: 10KΩ -20KΩ VDD IV<sub>DD</sub>-Vo -+5V Vo (GND) Vss





ABSOLUTE MAXIMUM RATINGS \	<b>`</b>				
ПЕМ	SYMBOL	TEST	STANDARD VALUE		UNIT
		CONDITION	MIN	MAX	
SUPPLY VOLTAGE FOR LOGIC	Vpp-Vss	Ta=25°C	-0.3	7	۷
SUPPLY VOLTAGE FOR LCD DRIVE	Vpp-Vo	-	-0.3	12	۷
INPUT VOLTAGE	٧	Ta=25°C	Vss	VDD	۷
OPFRATING TEMPERATURE	Topr	LCM-S	0	50	ċ
OFERATING TEMPERATURE	Tupr	lcm-h	-20	70	ċ
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	Ĵ
STORAGE TEMPERATURE	isig	lcm—h	-30	85	Ĵ

\*ONLY APPLIES TO MODULES WITH BACKLIGHT

UNCONTROLLED DOCUMENT\*UNLESS OTHERWISE SPECIFED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.020), LEAD LENGTH=±0.75 (±0.030). NN= +000 MX.= +0

f	REV.	PART NUMBER	<u>confidential information</u> The information contained in this document is the property of	i sale		) E. HELEN ROA ATINE. IL 6006	ND 57—6976
		LCM-S02004DSF-W	LUMEX NG. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUNEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCISSIONER AND DISSEMINATION TO ALL THRO PARTIES,	Ne three Abrouse to Mar	PHC US	DNE: +1.847.35 WEB: www.lume WEB: www.lume	9.2790 x.com
	4.75	DMM CHARACTER HEIGHT, 5 x 8 DOT MATRIX, 20 x 4, LCD MODULE, 1/16 DUTY, 1/5 BIAS, STN GRAY, TRANSFLECTIVE, WHITE LED BACKLIGHT.	Reliable to all solution to all third facility. Our nany years of experience data accumulation indicate that solder heat is a major cause of early and future failure. Please pay attention to your soldering process.	DRAWN BY:		APPROVED BY:	

REV.

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Authorized Distributor

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