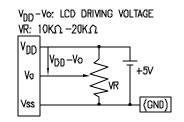
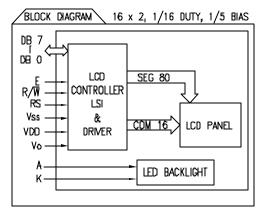


UNCONTROLLED DOCUMENT

	PART NUMBER
LCM-	SO1602DSF/A-W

PIN CONFIGURATION PIN NO. SYMBOL LEVEL FUNCTION Vss GND (OV) 1 _ 2 VDD POWER SUPPLY 5V _ 3 FOR LCD DRIVE _ Vo REGISTER SELECT SIGNAL H/L H: DATA INPUT 4 RS L: INSTRUCTION INPUT H; DATA READ (MODULE-->MPU) R∕₩ H/L 5 L: DATA WRITE (MODULE<--MPU) 6 Ε H,H->L ENABLE 7~14 DB0~DB7 H/L DATA BUS-SOFTWARE SELECTABLE 4 OR 8 BIT MODE. ANODE LED BACKLIGHT 15 А -16 Κ _ CATHODE LED BACKLIGHT





	AL CHARACT	ERISTICS	V _{DD} =	4.7V to 5.3V, TA=	=25 " C			
ITEM		SYMBOL	CONDITION	STANDARD VALUE				
				MIN.	TYP.	MAX.	UNIT	
SUPPLY VOLTAGE FOR LOGIC		N ^{DD} -Nea	-	-	5.0	-	٧	
SUPPLY CURRENT FOR LOGIC		1 _{DB}	V _{BD} =5∨	-	2.0	3.0	mA	
INPUT VOLTAGE LOW		VIH	-	2.2	-	۷DD	٧	
		$v_{ L}$	-	0	-	0.6	٧	
OUTPUT VOLTAGE LOW		Vон	_	2.4	-	-	٧	
		LOW	VOL	_	-	-	0.4	٧
*LED Backlight	VOLTAGE		Vf	lf=15mA	3.4	3.5	3.6	٧
	CURRENT		lf	-	10	15	20	mA
	POWER CU	NSUMPTION	PD	-	-	53	-	mW
	COLOR		-	WHITE	-	-	-	nm

ABSOLUTE MAXIMUM RATINGS						
ITEM	SYMBOL	TEST	STANDARD VALUE		UNIT	
I I E M	STINDUL	CONDITION	MIN	MAX		
SUPPLY VOLTAGE FOR LOGIC	Vpp-Vss	Ta=25°C	4.7	5.3	۷	
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	-	4.2 @ 50°C	4.8 0 0°C	٧	
INPUT VOLTAGE	٧	Ta=25°C	Vss	VDD	۷	
OPERATING TEMPERATURE	Tapr	LCM-S	0	5D	Ċ	
STORAGE TEMPERATURE	Tstg	LCM-S	-20	7D	Ċ	

***ONLY APPLIES TO MODULES WITH BACKLIGHT**

*UNLESS OTHERMISE SPECIFED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005), LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), NN=+DECIMAL PRECISION WAX.= +0.D0 -DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005), LEAD SIZE=±0.05 (±0.030), NN=+DECIMAL PRECISION WAX.= +0.D0

REV.	PART NUMBER	<u>confidential information</u> The information contained in this document is the property of) E. HELEN ROAL ATINE, IL 6006	D 7-6976	
	LCM-S01602DSF/A-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 DISCUSSIONE AND DISSEMINATION TO ALL THRO PARTIES.	We Take Abroas To Ma	PHC US	DNE: +1.847.359 WEB: www.lume> WEB: www.lume>	9.2790 K.com	
	5.56mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX. STN, TRANSFLECTIVE WITH WHITE LED BACKLIGHT. 16 x 2 LCD MODULE, 1/16 DUTY, 1/5 BIAS.	RELABLITY NOTE 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:	DATE:	4.13.06 2 OF 2 N/A

REV.

Mouser Electronics

Authorized Distributor

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