

UNCONTROLLED DOCUMENT

PART NUMBER LCM-S01602DSF/C

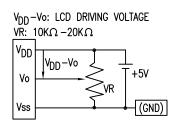
REV.

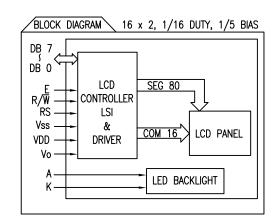
E.C.N. NUMBER AND REVISION COMMENTS SEE PAGE 1.

DATE

PIN CONFIGURATION

/ · · · · · · · · · · · · · · · · · · ·								
PIN NO.	SYMBOL	LEVEL	FUNCTION					
1	V_{DD}	-		5V				
2	Vss	-	POWER SUPPLY	GND (0V)				
3	Vo	-		FOR LCD DRIVE				
	RS	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	DB0~DB7	H/L	DATA BUS-SOFTWARE	SELECTABLE 4 OR 8 BIT MODE.				





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

/ LELGINICAL CHARACTERISTICS \ VDD-4.74 to 3.34, 14-23 C									
ITEM			SYMBOL	CONDITION	STANDARD VALUE			UNIT	
				CONDITION	MIN.	TYP.	MAX.	UNII	
SUPPLY VOLTAGE FOR LOGIC			V _{DD} -Vss	-	ı	5.0	ı	٧	
SUPPLY CURRENT FOR LOGIC			I _{DD}	V _{DD} =5V	ı	2.0	3.0	mA	
INPUT VOLTAGE HIGH LOW		٧ _H	-	2.2	1	۷DD	٧		
		ال	-	0	ı	0.6	٧		
OUTPUT VOLTAGE HIGH LOW		V _{OH}	-	2.4	ı	ı	٧		
		LOW	V _O L		ı	ı	0.4	٧	
LED BACKLIGHT	VOLTAGE		Vf	lf=160mA	ı	4.2	4.6	٧	
	CURRENT		lf	-	ı	160	ı	mΑ	
	POWER CUNSUMPTION		PD	-	-	656	-	mW	
	LUMINOUS		L	lf=160mA	70	-	1	cd/m ²	
	COLOR		-	-		-	-	nm	

ABSOLUTE MAXIMUM RATINGS

/	1					
ITEM	SYMBOL	TEST	STANDAR	D VALUE	UNIT	
IILM	STWIDOL	CONDITION	MIN	MAX	ONII	
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	4.7	5.3	>	
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	-	4.2@50°C	4.8@0°C	٧	
INPUT VOLTAGE	٧١	Ta=25°C	Vss	v _{DD}	٧	
OPERATING TEMPERATURE	Topr	LCM-S	0	50	•c	
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	့	

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX. = +0.00 -DECIMAL PRECISION MAX. = +0.00 -DECIMAL

REV.

PART NUMBER LCM-S01602DSF/C

5.56mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX, 16 x 2 LCD MODULE, 1/16 DUTY, 1/5 BIAS.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

RELIABILITY NOTE

OUR MANY 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.



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw

DRAWN BY:

CHECKED BY: APPROVED BY: DATE: 10.30.01 PAGE: 1 OF 2

N/A

SCALE:

CT