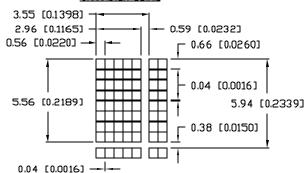
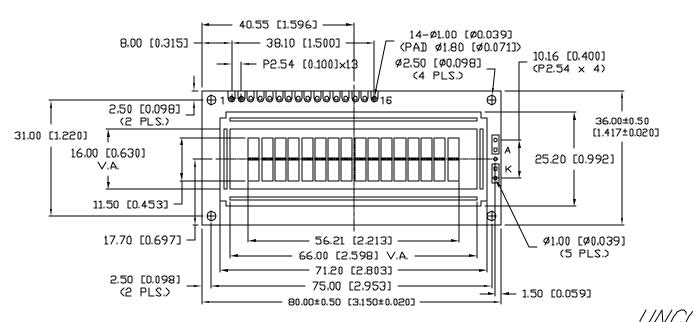
REV.

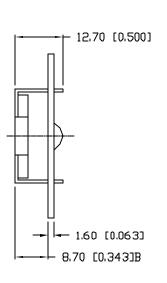
LCM-S01602DSF/A

CHARACTER DETAIL



CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.





*UNILESS OTHERWISE SPECFED 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 \$17E=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). NN=+DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD \$17E=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). NN=+DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD \$17E=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). NN=+DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD \$17E=±0.05 (±0.002), LEAD \$17E=±0.05 (±0.000), XX=±0.05 (±0.000), XXX=±0.05 (±0.000), XXX=±0.

REV.

PART NUMBER
LCM-S01602DSF/A

5.56mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX, STN, TRANSFLECTIVE WITH LED BACKLIGHT, 16 x 2 LCD MODULE, 1/16 DUTY, 1/5 BIAS. CONFIDENTIAL INFORMATION
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PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT

SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE.

DR OR

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:

CT

CHECKED BY:

APPROVED BY:

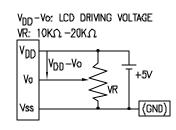
ED BY: DATE: 1.22.02 PAGE: 1 OF 2

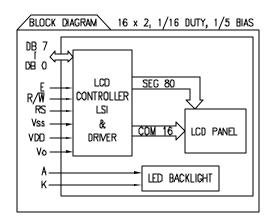
SCALE: N/A

LCM-S01602DSF/A

PIN CONFIGURATION

PIN NO.	SYMBOL	LEVEL	FUNCTION					
1	Ves	-	GND (OV)					
2	V _{DD}	-	POWER SUPPLY	5V				
3	Vo	1		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)					
		11/1	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.				
15	Α	ı	ANODE	LED BACKLIGHT				
16	K	ı	CATHODE	LED BACKLIGHT				





/	
ELECTRICAL	CHARACTERISTICS

v	nn=4	7V	ŧπ	5.3V,	T _A =	-25"	ſ
٧	ד—רווו	. / ٧	ιu	V-V	ΙΔ-	-ムシ	٠

/ ELECTRICAL CHARACTERISTICS \ VDD-+.77 to 3.37, 14-23 c								
ITEM		SYMBOL	CONDITION	STANDARD VALUE			UNIT	
				MIN.	TYP.	MAX.	וואוו	
SUPPLY VO	SUPPLY VOLTAGE FOR LOGIC		ADD-Aea	ļ	1	5.0	-	٧
SUPPLY CL	SUPPLY CURRENT FOR LOGIC		ao ^l	V _{DD} =5∨	1	2.0	3.0	mΑ
HIGH		٧H	ļ	2.2	1	۷DD	٧	
INPUT VOLI	INPUT VÖLTAGE LOW		٧ _L	ļ	0	1	0.6	٧
	HIGH		Уoн	I	2.4	1	-	٧
OUTPUT VOLTAGE LOW		LOW	Vol	I	1	1	0.4	٧
*LED BACKLIGHT	VOLTAGE		Vf	If=160mA	1	4.2	4.6	٧
	CURRENT		If	ļ	1	160	-	mΑ
	POWER CUNSUMPTION		PD	ļ	1	656	-	mW
	LUMINOUS		Ĺ	If=160mA	70	_	_	cd/m²
	COLOR		ı	ļ	1	1	-	nm

[∕]AB\$OLUTE MAXIMUM RATINGS \

ITFM	SYMBOL	TEST	STANDARD VALUE		UNIT	
ITEM	SIMBUL	CONDITION	MIN	MAX	UNII	
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -Vss	Ta=25°C	4.7	5.3	٧	
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	-	4.2 © 50°C	4.B @ O°C	٧	
INPUT VOLTAGE	٧١	Ta=25°C	Vss	ν _{DD}	٧	
OPERATING TEMPERATURE	Tapr	LCM-S		5D	.C	
STORAGE TEMPERATURE	Tstg	LCM-S	-20	7D	.c	

CHECKED BY:

*ONLY APPLIES TO MODULES WITH BACKLIGHT

UNCONTROLLED DOCU *UNIESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0,039), XXX=±0.5 (±0,020), XXXX=±0.127 (±0,005). LEAD SIZE=±0.05 (±0,002), LEAD LENGTH=±0.75 (±0,030). NN=+DECIMAL PRECISION NAX.=+0.05 (±0,000), XXXX=±0.127 (±0,005).

REV.

PART NUMBER LCM-S01602DSF/A

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