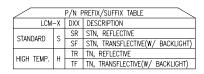
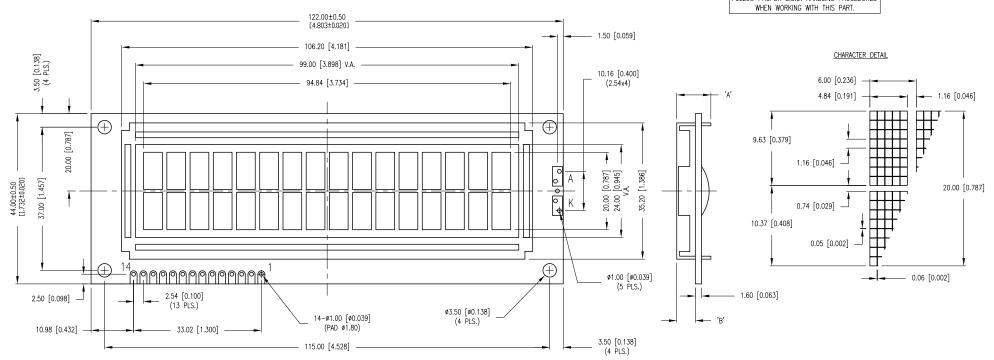
UNCONTROLLED DOCUMENT

PART NUMBER	LCM-X01602DXX/D	REV.	Α
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.09.98	E.C.N. #10464.		Α



TYPE DIM.	Α	В
WITH BACKLIGHT	13.0	9.0
NO BACKLIGHT	8.8	4.8

CAUTION: STATIC SENSITIVE DEVICE FOLLOW PROPER E.S.D. HANDLING PROCEDURES



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-DECIMAL}$ PRECISION LINICONTROLLED DOCLIMENT



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM

9.63mm CHARACTER HEIGHT, 16x2 CHARACTERS, 5x8 DOT MATRIX LCD MODULE, 1/16 DUTY, 1/5 BIAS.

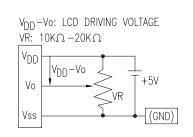
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

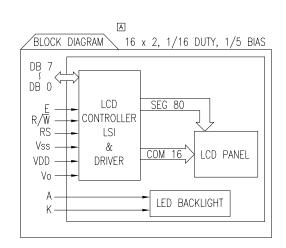
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DIVEDIVINOLLED DOCUMENT				
DATE:	01.28.11	DRAWN BY: AB		
PAGE:	1 OF 2	CHKD BY: YA		
SCALE:	NTS	APRVD BY: BC		
UNIT: mm [INCH]		Pb)		

PART NUMBER	LCM-X01602DXX/D R	REV.	Α
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.09.98	E.C.N. #10464.		Α

PIN	CONFIGURA	ATION \				
PIN NO.	SYMBOL	LEVEL	FUNCTION			
1	Vss	_		GND (OV)		
2	V_{DD}	-	POWER SUPPLY	5V		
3	Vo	_		FOR LCD DRIVE		
			REGISTER SELECT SIGNAL			
4	RS	H/L	H: DATA INPUT			
			L: INSTRUCTION INPUT	Γ		
5	R/W	H/L	H: DATA READ (MODU	LE>MPU)		
		П/С	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	А	-	ANODE	LED BACKLIGHT		
16	K	_	CATHODE	LED BACKLIGHT		





ELECTRICAL CHARACTERISTICS A V _{DD} =4.7V to 5.3V, T _A =25°C								
ITFM			SYMBOL	CONDITION	STANDARD VALUE			UNIT
II E IVI					MIN.	TYP.	MAX.	UNII
SUPPLY VO	LTAGE FOR	LOGIC	V _{DD} -Vss	_	-	5.0	-	٧
SUPPLY CL	IRRENT FOR	LOGIC	l _{DD}	V _{DD} =5V	-	2.0	3.0	mΑ
		HIGH	٧ _{IH}	_	2.2	-	4.7	٧
INPUT VOLT	AGE	LOW	٧ _{IL}	_	0	-	0.6	٧
HIGH		V _{OH}	_	2.4	-	_	٧	
OUTPUT VOLTAGE LOW		V _{OL}	-	-	-	0.4	٧	
	VOLTAGE		Vf	lf=220mA	-	4.2	4.6	٧
*LED BACKLIGHT	CURRENT		If	_	-	220	480	mΑ
	POWER CUNSUMPTION		PD	_	-	924	-	mW
	LUMINOUS		L	lf=220mA	70	_	_	cd/m ²
	COLOR		-	_	-	-	-	nm

*ONLY APPLIES TO MODULES WITH BACKLIGHT

	\					
TFM	SYMBOL	TEST	STANDARD VALUE		UNIT	
I LIVI		CONDITION	MIN	MAX	OINII	
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	4.7	5.3	٧	
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	_	4.2V@50°C	4.8@0°C	٧	
NPUT VOLTAGE	Vr	Ta=25°C	Vss	ν _{DD}	V	
PERATING TEMPERATURE	Topr	LCM-S	0	50	.C	
PERATING TEMPERATURE		LCM-H	-20	70	.C	

Tstg

LCM-S

LCM-H

-20

-30

ABSOLUTE MAXIMUM RATINGS

STORAGE TEMPERATURE

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DATE: 01.28.11 DRAWN BY: AΒ PAGE: 1 OF 2 CHKD BY: YΑ SCALE: NTS APRVD BY: ВС mm [INCH] (Pb) UNIT:

70

85

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Mouser Electronics

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