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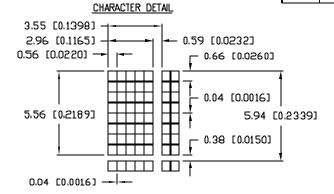
PART	NUMBER
LCM-X01	602DXX/B

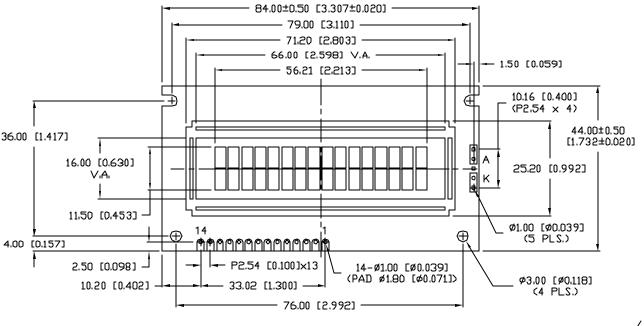
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
Α	F.C.N. #10BRDR. & REDRAWN.	9-3-98

REV.

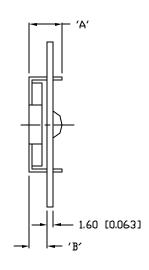
P/N PREFIX/SUFFIX TABLE						
LCM-X DX>			DESCRIPTION			
STANDARD S		SR	STN, REFLECTIVE			
		SF	STN, TRANSFLECTIVE(W/ BACKLIGHT)			
HIGH TEMP. H		TR	TN, REFLECTIVE			
I LIGHT IEME.	П	TF	TN, TRANSFLECTIVE(W/ BACKLIGHT)			

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





TYPE	DIM.	Α	В
WITH BAC	CKLIGHT	12.7	8.7
NO BACK	CLICHT	8.8	4.8



*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

REV. PART NUMBER LCM-X01602DXX/B

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

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RELIABILITY NOTE DUR 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. INCORPORATED

SA/BC

290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM

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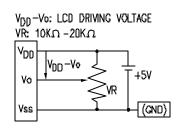
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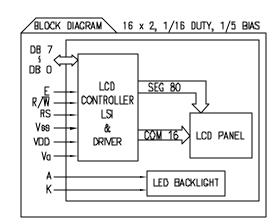
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	PART NUMBER		REV.
	LCM-X01602DXX/B		А
REV.	E.C.N. NUMBER AND REVISION COMMENTS	D/	ATE
	SEE PAGE #1./		

_	PIN	CONFIGURATIO		
INI	Νn	SAMBOL	I F\	

PIN NO.	SAMBOL	LEVEL	FUNCTION					
1	Vss	-	GND (OV)	GND (OV)				
2	v_{DD}	1	POWER SUPPLY 5V					
3	Vo	1		FOR LCD DRIVE				
			REGISTER SELECT SIG	NAL				
4	RS	H/L	H: DATA INPUT					
			: INSTRUCTION INPUT					
5	R∕W	u /ı	H; DATA READ (MODULE>MPU)					
'	10/ ₩	H/L	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.					





ELECTRICAL CHARACTERISTICS V_{DD} =4.7V & 5.3V, T_A =25°C

		טט							
І пем		SYMBOL	CONDITION	STANDARD VALUE			UNIT		
IILM				CONDITION	MIN.	TYP.	MAX.	LINI	
SUPPLY VC	LTAGE FOR	LOGIC	V_{DD} – V_{SS}	_	_	5.0	_	٧	
SUPPLY CL	IRRENT FOR	LOGIC	DD	V _{DD} =5V	_	2.0	3.0	mΑ	
		HIGH	٧H	-	2.2	-	VDD.	٧	
INPUT VOLT	TAGE	LOW	v_{IL}	-	0	-	0.6	٧	
HIGH		Voн	-	2.4	-	-	٧		
OUTPUT VO	LTAGE	LOW	V _Ω L	=	1	1	0.4	٧	
	VOLTAGE		Vf	lf=160mA	1	4.2	4.6	٧	
*LED	CURRENT POWER CUNSUMPTION		If	_	1	160	-	mA	
BACKLIGHT			PD	_	_	656	_	mW	
	LUMINOUS		L	lf=160mA	70	-	-	cd/m ²	
	COLOR		_	_	_	_	_	ım	

*ONLY APPLIES TO MODULES WITH BACKLIGHT

$^{\prime}$ ABSOLUTE MAXIMUM RATINGS ackslash

/	\					
ПЕМ	SYMBOL	TEST	STANDARD VALU		UNIT	
TIEW .	JINIDOL	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°€	4.8@0°C	>	
INPUT VOLTAGE	٧١	Ta=25°C	Vss	∨ ^{DD}	٧	
OPERATING TEMPERATURE	Topr	LCM-S	0	50	ċ	
OPERATING TEMPERATURE	торі	LCM-H	-20	70	့	
STORAGE TEMPERATURE	Tota	LCM-S	-20	70	့	
STORAGE TEMPERATURE	Tstg	LCM-H	-30	8 5	.C	

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A LCM-X01602DXX/B

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