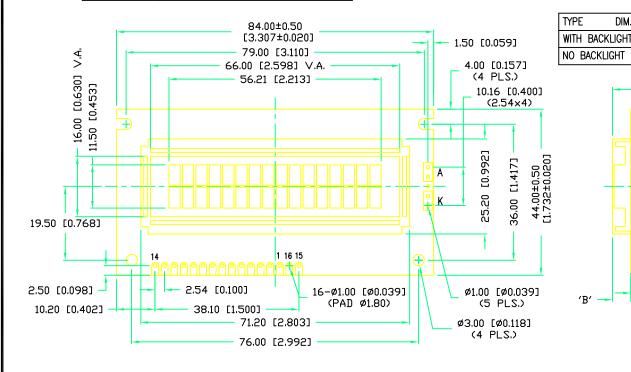
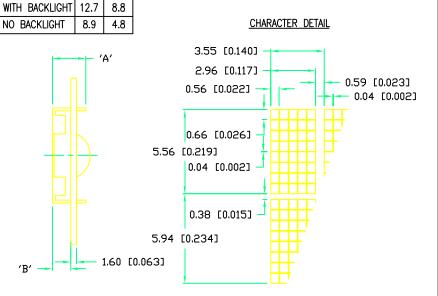
PART NUMBER LCM-X01602DXX/I

REV. В

REV.	E.C.N. NUMBER AND REVISION COMMENTS	D/	ATE
Α	E.C.N. #10464./	10-	9-98
Α	E.C.N. #11620.	02.1	15.10

P/N PREFIX/SUFFIX TABLE							
LCM	LCM-X		DESCRIPTION				
STANDARD	s	SR	STN, REFLECTIVE				
STANDARD		SF	STN, TRANSFLECTIVE(W/ BACKLIGHT)				
HIGH TEMP.	н	TR	TN, REFLECTIVE				
HIGH TEMP.		TF	TN, TRANSFLECTIVE(W/ BACKLIGHT)				





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

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

PART NUMBER REV. LCM-X01602DXX/I B

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

CONFIDENTIAL INFORMATION

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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.

INCORPORATED

SA/BC

DIM.

Α

В

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APPROVED BY: DATE: 8-14-98 CHECKED BY: DRAWN BY:

> PAGE: 1 OF 2 SCALE: N/A

PART NUMBER LCM-X01602DXX/I

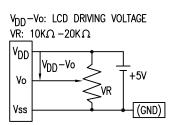
REV.

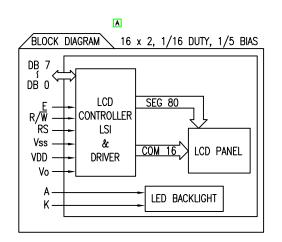
E.C.N. NUMBER AND REVISION COMMENTS SEE PAGE #1./

DATE

PIN CONFIGURATION

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





ELECTRICAL CHARACTERISTICS

 V_{DD} =4.7V to 5.3V, T_A =25°C

/			טט					
ITEM			SYMBOL V _{DD} -Vss	CONDITION	STANDARD VALUE			UNIT
				CONDITION	MIN.	TYP.	MAX.	UNII
SUPPLY VO	SUPPLY VOLTAGE FOR LOGIC			-	1	5.0	-	٧
SUPPLY CURRENT FOR LOGIC			I _{DD}	V _{DD} =5V	1	2.0	3.0	mA
HIGH			٧ _{IH}	_	2.2	-	4.7	٧
INPUT_VOLTAGE		LOW	٧ _{IL}	-	0	-	0.6	٧
	HIGH		V _{OH}	-	2.4	-	-	٧
OUTPUT VOLTAGE		LOW	V _{OL}	-	1	-	0.4	٧
	VOLTAGE		Vf	lf=160mA	-	4.2	4.5	٧
*LED	CURRENT		lf	-	ı	160	400	mΑ
BACKLIGHT	POWER CUNSUMPTION		PD	-	1	660	-	mW
DACKLIGHT	LUMINOUS		L	lf=160mA	70	_	_	cd/m ²
	COLOR		ı	ı	ı	ı	ı	nm

*ONLY APPLIES TO MODULES WITH BACKLIGHT

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	TEST	STANDAR	UNIT		
IIEM	SIMBOL	CONDITION	MIN	MAX	UNII	
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	4.7	5.3	٧	
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	-	4.2 @ 50°C	4.8 @ 0°C	٧	
INPUT VOLTAGE	٧ _I	Ta=25*C	Vss	۷ _{DD}	٧	
OPERATING TEMPERATURE	Topr	LCM-S	0	50	.c	
OPERATING TEMPERATURE		LCM-H	-20	70	•C	
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	ċ	
STORAGE TEMPERATURE		LCM-H	-30	85	ç	

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REV. B

PART NUMBER LCM-X01602DXX/I

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RELIABILITY NOTE

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