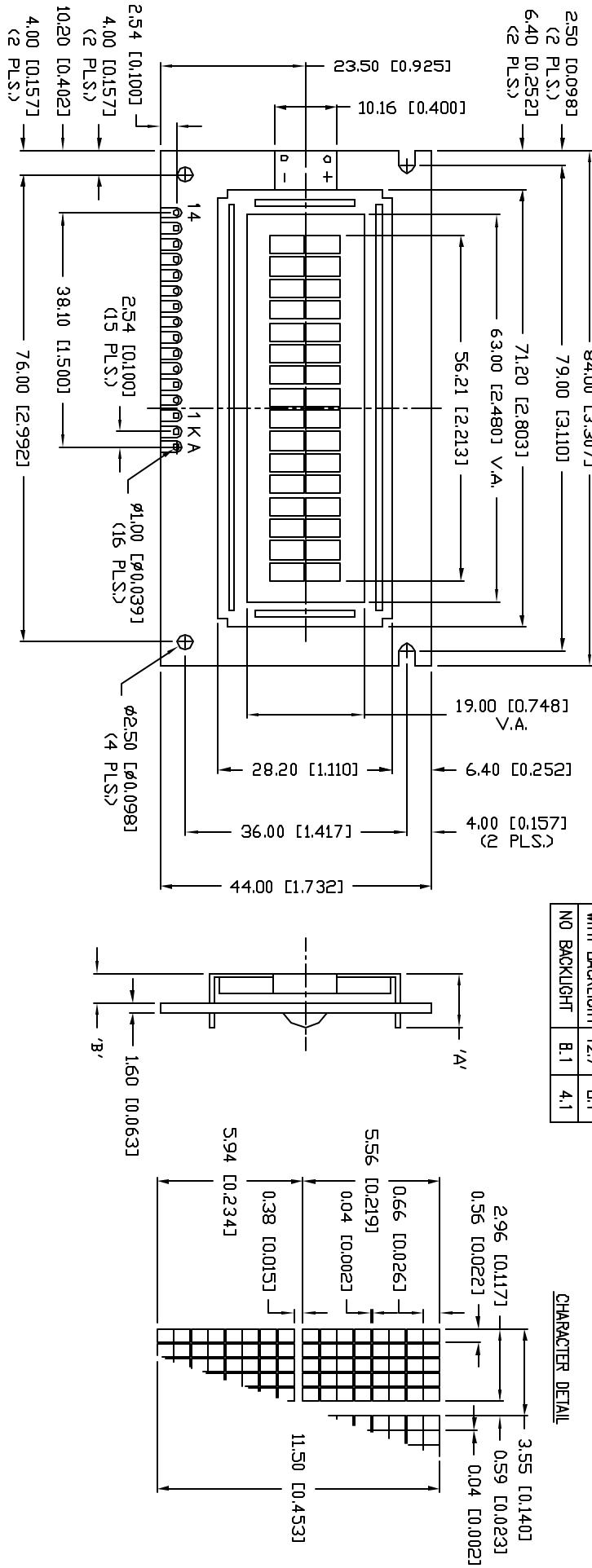


PART NUMBER			REV.
REV.	E.C.N. NUMBER AND REVISION	COMMENTS	DATE
LCM-S01602DSSF/G-Y			



*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

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

REV. **L** **LCM-S01602DSF/G-Y**
5.56mm TALL, 5 x 8 DOT MATRIX, 16 x 2 CHARACTER LCD
MODULE, TRANSFLECTIVE, STN YELLOW, 1/16 DUTY, 1/5 BIAS.

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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATED INDICATE THAT SOLIDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLIDERING PROCESS.

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PART NUMBER	REV.
LCM-S01602DSF/G-Y	
REV.	E.C.N. NUMBER AND REVISION COMMENTS
	DATE

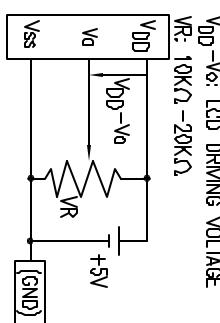
PIN CONFIGURATION			
PIN NO.	SYMBOL	LEVEL	FUNCTION
1	V _{SS}	—	GND (0V)
2	V _{DD}	—	POWER SUPPLY 5V FOR LCD DRIVE
3	V _O	—	REGISTER SELECT SIGNAL
4	RS	H/L	H: DATA INPUT L: INSTRUCTION INPUT
5	R/W	H/L	H: DATA READ (MODULE-->MPU) L: DATA WRITE (MODULE-->MPU)
6	E	H-H->L	ENABLE
7~14	DB0~DB7	H/L	DATA BUS-SOFTWARE SELECTABLE 4 OR 8 BIT MODE.
A	A	—	ANODE
K	K	—	CATHODE

ELECTRICAL CHARACTERISTICS

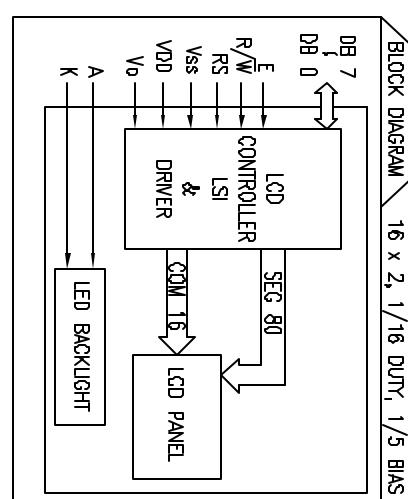
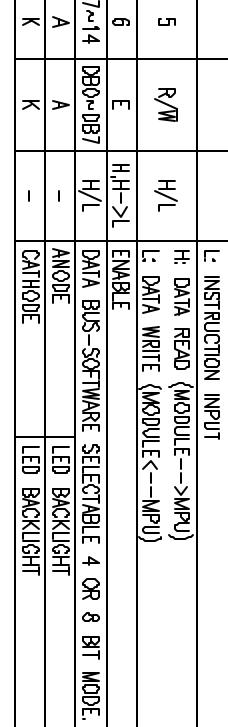
V_{DD}=4.7V to 5.3V TA=25°C

ITEM	SYMBOL	CONDITION	STANDARD VALUE		UNIT
			MIN.	Typ.	
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -V _{SS}	V _{DD} =5V	—	5.0	—
SUPPLY CURRENT FOR LOGIC	I _{DD}	V _{DD} =5V	—	2.0	3.0 mA
INPUT VOLTAGE	V _{IH} V _{IL}	High Low	— —	2.2 0	4.7 0.6 V
OUTPUT VOLTAGE	V _{OH} V _{OL}	High Low	— —	2.4 0.4	— V
VOLTAGE	V _I	If	—	4.2	4.6 V
CURRENT	I _f	—	—	160	— mA
*LED POWER CONSUMPTION	P _D	—	—	660	— mW
BACKLIGHT LUMINOSITY	L	If=160mA	70	—	— cd/m ²
COLOR	—	—	—	—	— nm

*ONLY APPLIES TO MODULES WITH BACKLIGHT



V_{DD}-V_O: LCD DRIVING VOLTAGE
VR: 10KΩ-20KΩ



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

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE	UNIT
SUPPLY VOLTAGE FOR LCD LOGIC	V _{DD} -V _{SS}	T _a =25°C	4.7	V
SUPPLY VOLTAGE FOR LCD DRIVE	V _{DD} -V _O	—	4.2@50°C 4.8@0°C	V
INPUT VOLTAGE	V _I	T _a =25°C	V _{SS}	V _{DD}
OPERATING TEMPERATURE	T _{opr}	L0M-5	0	50 °C
STORAGE TEMPERATURE	T _{stq}	L0M-5	-20	70 °C



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