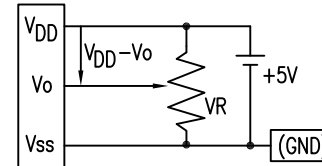


SCALE: N/A

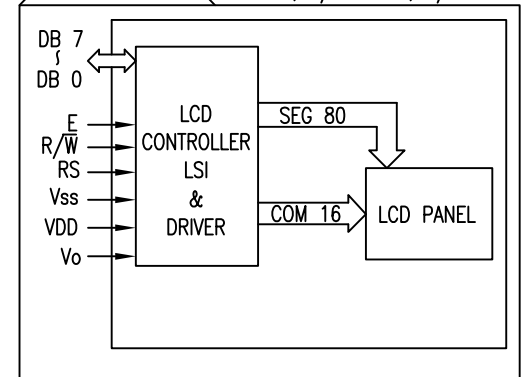
PIN CONFIGURATION

PIN NO.	SYMBOL	LEVEL	FUNCTION
1	Vss	—	POWER SUPPLY GND (0V)
2	VDD	—	
3	Vo	—	
4	RS	H/L	REGISTER SELECT SIGNAL 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.
15	NC	—	NO CONNECTION
16	NC	—	NO CONNECTION

VDD-Vo: LCD DRIVING VOLTAGE
VR: 10KΩ-20KΩ



BLOCK DIAGRAM 16 x 2, 1/16 DUTY, 1/5 BIAS



ELECTRICAL CHARACTERISTICS

VDD=4.7V to 5.3V, TA=25°C

ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	—	—	5.0	—	V
SUPPLY CURRENT FOR LOGIC	IDD	VDD=5V	—	2.0	3.0	mA
INPUT VOLTAGE	HIGH	VIH	—	2.2	—	VDD
	LOW	VIL	—	0	—	0.6
OUTPUT VOLTAGE	HIGH	VOH	—	2.4	—	V
	LOW	VOL	—	—	0.4	V

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE	
			MIN	MAX
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	4.7	5.3
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	—	4.2@50°C	4.8@0°C
INPUT VOLTAGE	VI	Ta=25°C	Vss	VDD
OPERATING TEMPERATURE	Topr	LCM-S	0	50
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70

*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 PRECISION MAX.=+0.00
-0.00

REV.

PART NUMBER

LCM-S01602DTR/M-EU

16 x 2 CHARACTER LCD MODULE, TN, REFLECTIVE.

1/16 DUTY, 1/5 BIAS.

CONFIDENTIAL INFORMATION

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RELIABILITY NOTE

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.



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DATE: 9.11.02

PAGE: 2 OF 2

SCALE: N/A