

LMC-S2Q16	16 Char X 2 Line	1/16 Duty	1/4 Bias
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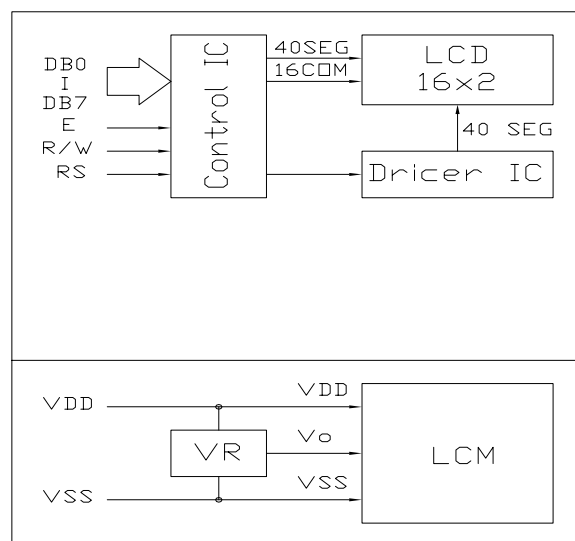
FEATURE		
LCD TYPE	TN , STN	
LCM CONTROLLER IC	SPLC780 or Equivalent	
CHARACTER FONTS	5X8 Dots (With Cursor)	
LCM BACKLIGHT TYPE	--	
POWER SUPPLY FOR LCM	DC +5V	
LCM DIMENSION	66.7 (W) X 23.30 (H)	mm
LCM VIEWING	61.0 (W) X 15.9 (H)	mm
ACTIVE DISPLAY AREA	56.2 (W) X 11.85 (H)	mm
CHARACTER SIZE	2.95 (W) X 5.55 (H)	mm
CHARACTER PITCH	3.55 (W) X 6.30 (H)	mm
LCD DOT SIZE	0.55 (W) X 0.65 (H)	mm
LCD DOT PITCH	0.60 (W) X 0.70 (H)	mm

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYM.	MIN.	TYP.	MAX.	UNIT
OPERATING TEMP.	T _{OP}	0	--	+50	℃
STORAGE TEMP.	T _{SP}	-10	--	+60	℃
INPUT VOLTAGE	V _I	V _{SS}	--	V _{DD}	V
SUPPLY VOL. FOR LCD	V _{DDC} -V _O	--	--	6.5	V

INTERFACE PIN CONNECTIONS			
NO.	SYM.	LEVEL	FUNCTION
1	VDD	--	DC +5V
2	Vo	--	Contrast Adjust
3	RS	H/L	Register select
4	R/W	H/L	Read/Write
5	E	H,H→L	Enable signal
6	DB0	H/L	Data Bit 0
7	DB1	H/L	Data Bit 1
8	DB2	H/L	Data Bit 2
9	DB3	H/L	Data Bit 3
10	DB4	H/L	Data Bit 4
11	DB5	H/L	Data Bit 5
12	DB6	H/L	Data Bit 6
13	DB7	H/L	Data Bit 7
14	VSS	--	GND (0V)

ELECTRICAL						
ITEM	SYM.	CONDITION	MIN.	TYP.	MAX	UNIT
Supply Voltage For LCD Driver	$V_{DD}-V_O$	Ta=0°C	--	4.6	--	V
		Ta=25°C	--	4.3	--	
		Ta=50°C	--	4.0	--	
Operating Voltage For LCD Module	$V_{DD}-V_{SS}$	--	4.5	5.0	5.5	V
Input High Voltage	V_{IH}	--	2.2	--	V_{DD}	V
Input Low Voltage	V_{IL}	--	0	--	0.6	V
Output High Voltage	V_{OH}	--	2.4	--	--	V
Output Low Voltage	V_{OL}	--	--	--	0.4	V
Supply Current For Logic	I_{DD}	$V_{DD}=5V$	--	3.0	4.5	mA
LED Current	I_F	Ta=25°C	--	--	--	mA

BLOCK DIAGRAM



DIMENSIONAL DRAWING

