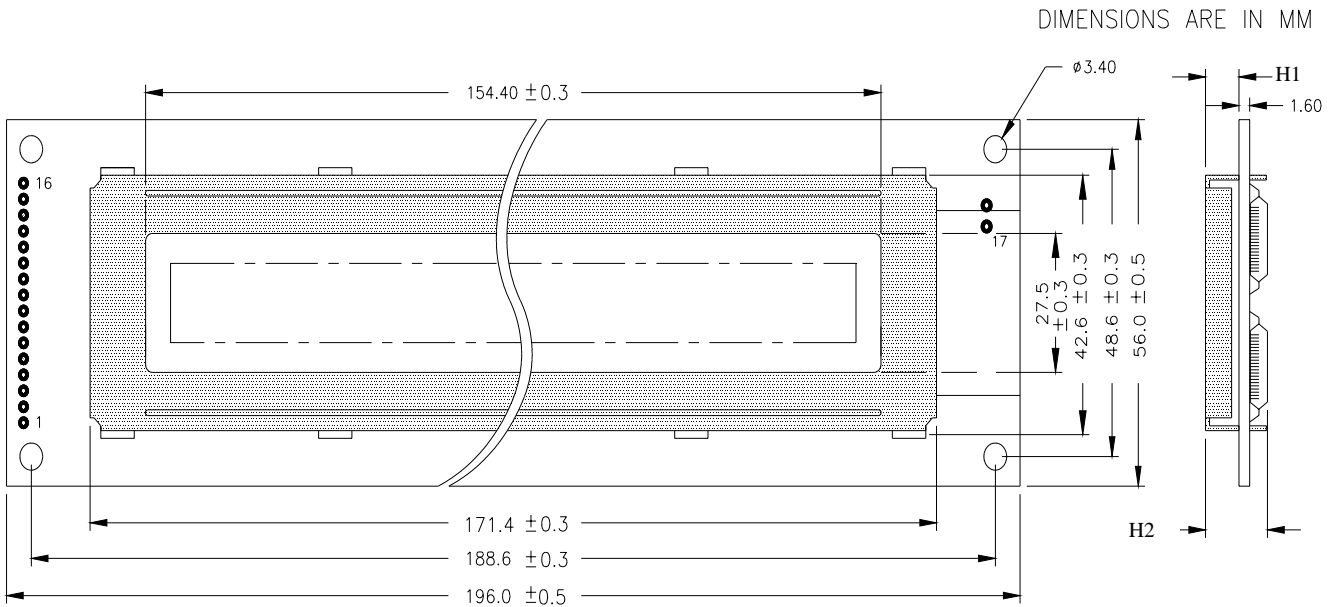
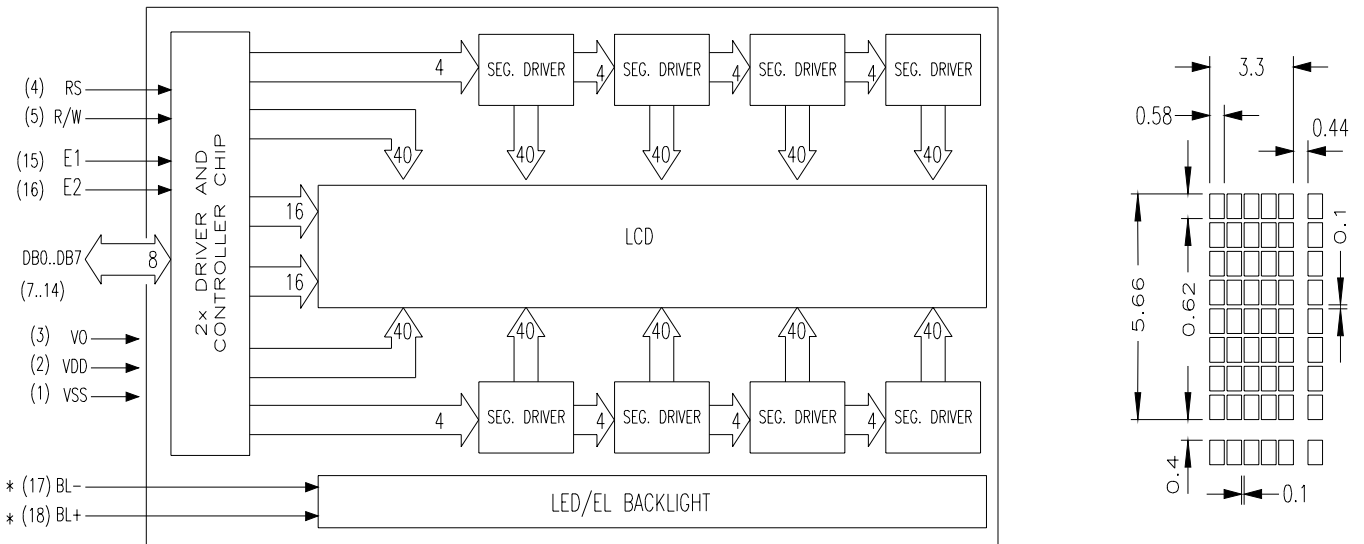


GENERAL DESCRIPTION

- Display mode : 40 characters x 4 lines LCD module
- Interface : 4-bit or 8-bit parallel
- Driving method : 1/16 duty, 1/5 bias
- Controller IC : Samsung KS0066 or equivalent
For the detailed information, please refer to IC specifications.



BLOCK DIAGRAM



CONNECTOR PIN ASSIGNMENT

Pin No.	Symbol	Function	Pin No.	Symbol	Function
1	VSS	0V Power Supply	10	DB3	Data Bus Line
2	VDD	5V Power Supply	11	DB4	Data Bus Line
3	VO	LCD Drive, 0V to VDD	12	DB5	Data Bus Line
4	RS	'H' Data Input 'L' Instruction Input	13	DB6	Data Bus Line
5	R/W	'H' Data Read 'L' Data Write	14	DB7	Data Bus Line
6	NC	No Connection	15	E1	Enable Signal *
7	DB0	Data Bus Line	16	E2	Enable Signal **
8	DB1	Data Bus Line	17	BL-	Backlight Power Supply (-)
9	DB2	Data Bus Line	18	BL+	Backlight Power Supply (+)

* E1 is used to control the upper 2 lines of the display. .

** E2 is used to control the lower 2 lines of the display