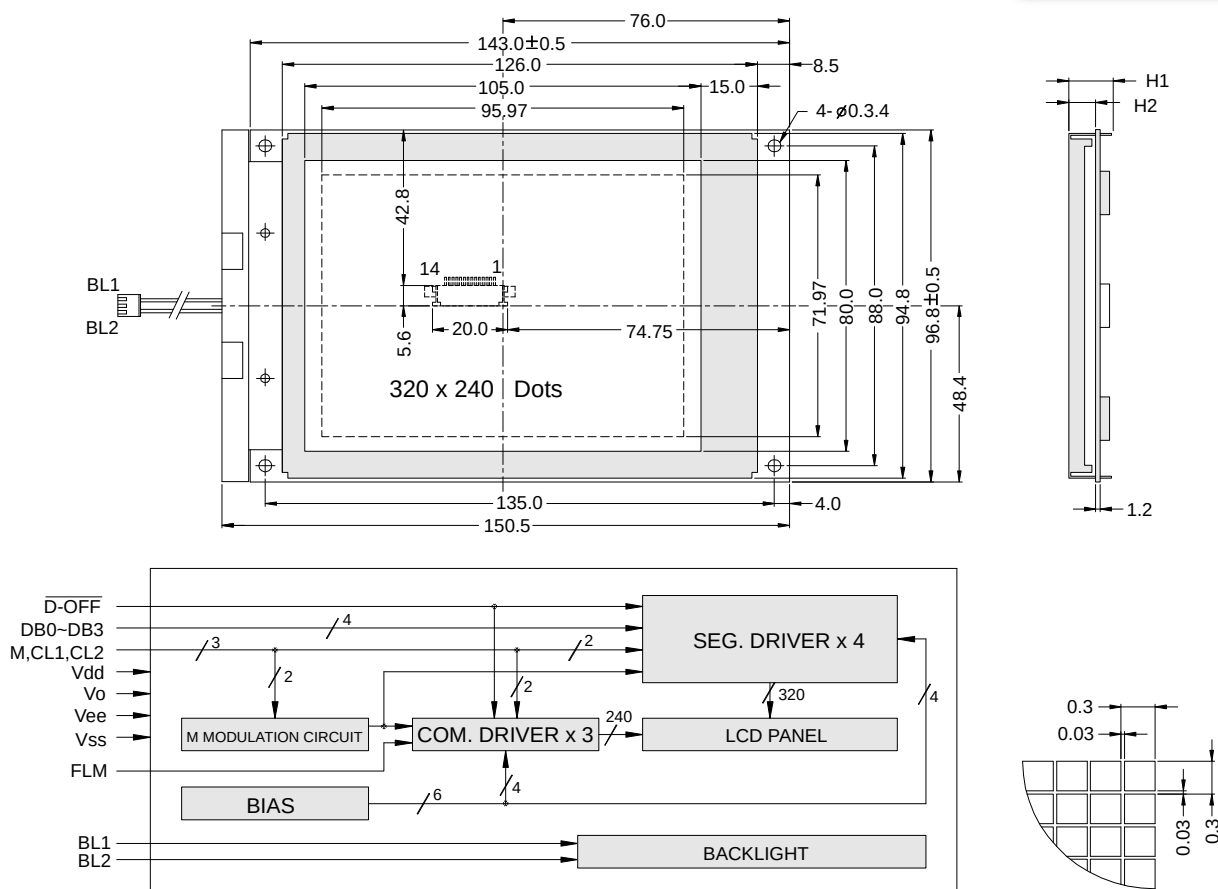




OUTLINE DIMENSION & BLOCK DIAGRAM



The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	143.0 x 96.8	Module	H2 / H1
View Area	105.0 x 80.0	W / O B/L	5.9 / 10.1
Dot Size	0.27 x 0.27	EL B/L	5.9 / 10.1
Dot Pitch	0.30 x 0.30	LED / CCFL B/L	8.0 / 11.7

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	FLM	Shift direction select
2	M	Synchronous signal input
3	CL1	Display data input clock
4	CL2	Display data input clock
5	D-OFF	Column output control
6-9	DB0-DB3	Data bus line
10	Vdd	Power supply(+)
11	Vss	Power supply(GND)
12	Vee	Negative voltage input
13	Vo	Contrast Adjust
14	FG	Frame ground

ABSOLUTE MAXIMUM RATING									
Item	Symbol	Condition	Min.		Max.		Units		
Supply for logic voltage	Vdd-Vss	25°C	-0.3		7.0		V		
LCD driving supply voltage	Vdd-Vee	25°C	0		35.0		V		
Input voltage	Vin	25°C	-0.3		Vdd+0.3		V		
ELECTRICAL CHARACTERISTICS									
Item	Symbol	Condition	Min.		Typical		Max.		Units
Power supply voltage	Vdd-Vss	25°C	4.5		—		5.5		V
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	— 26.9		— 28.4		— 29.9		V
		0°C	25.5	—	27	—	28.5	—	V
		25°C	23.5	24.4	25	25.9	26.5	27.4	V
		50°C	21	—	22.5	—	24	—	V
		70°C	—	22	—	23.5	—	25	V
LCM current consumption (No B/L)	Idd	Vdd=5V	—		7		—		mA
Backlight current consumption	LED/edge	VB/L=4.2V	—		180		—		mA
	LED/white	VB/L=3.5V	—		120		—		mA

REMARK

LCD option: STN, TN, FSTN

Backlight Option: LED, EL Backlight feature, other Specs not available on catalog is under request.

