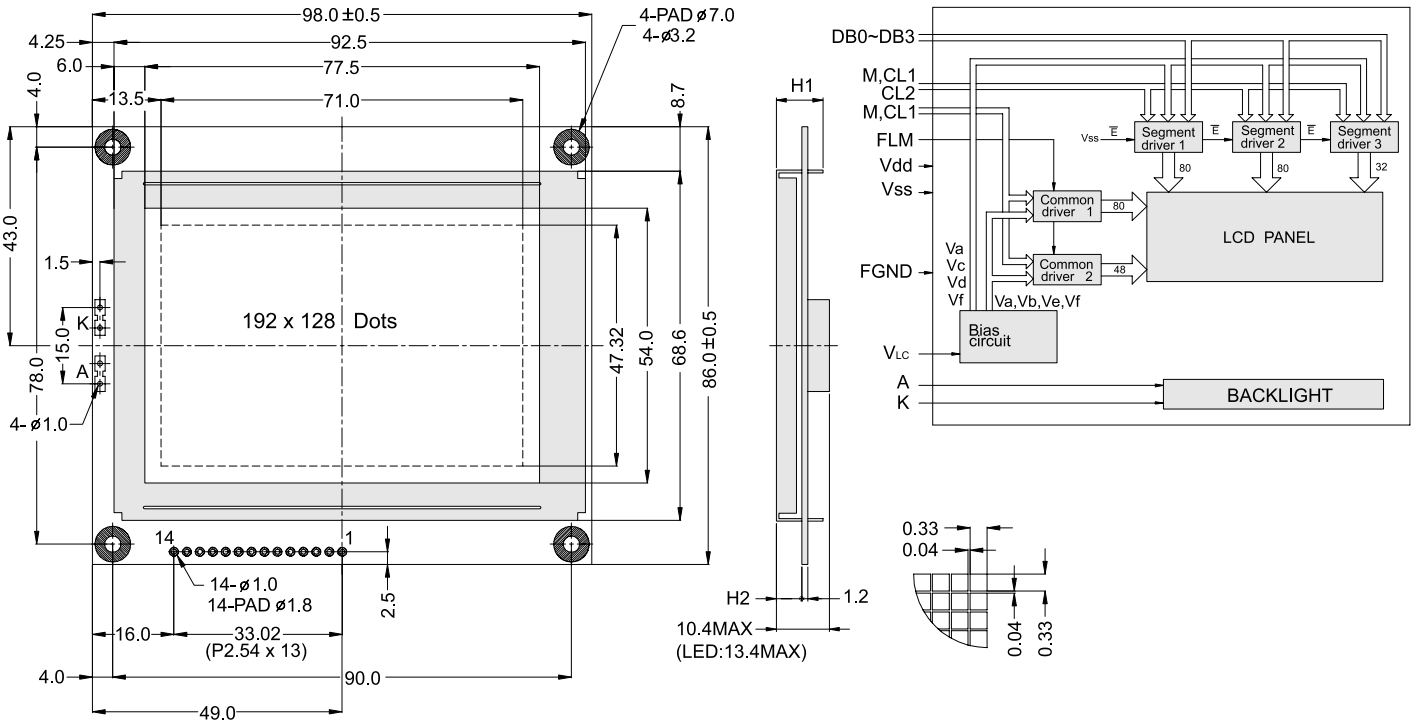
OUTLINE DIMENSION & BLOCK DIAGRAM



The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	98.0 x 86.0	Module	H2 / H1
View Area	75.0 x 54.0	W /O B/L	5.0 / 9.2
Dot Size	0.33 x 0.33	EL B/L	5.0 / 9.2
Dot Pitch	0.37 x 0.37	LED B/L	8.0 / 12.2

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1.2	D3,D2	Data line
3	FLM	Shift direction select
4	M	Altemation control signal
5	CL1	Display data input colock
6	CL2	Display data input colock
7,8	D1,D0	Data line
9	Vdd	Power supply(+)
10	Vss	Power supply(GND)
11	VLC	Contrast adjust
12	FGND	Frame adjust
13	K	Power supply for LED B/L (+)
14	A	Power supply for LED B/L (–)

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	22.0	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
		-25°C	–	19.5	–	20.6	–	21.7	V
		0°C	19.4	–	20.4	–	21.4	–	V
		25°C	18.0	17.0	18.9	17.9	19.8	18.8	V
		50°C	16.1	–	16.9	–	17.7	–	V
		70°C	–	15.4	–	16.3	–	17.2	V
LCM current consumption (No B/L)	Idd	Vdd=5V	–		2.5		–		mA
Backlight current consumption	LED/edge	VB/L=4.2V	–		85		–		mA
	LED/array	VB/L=4.2V	–		–		–		mA