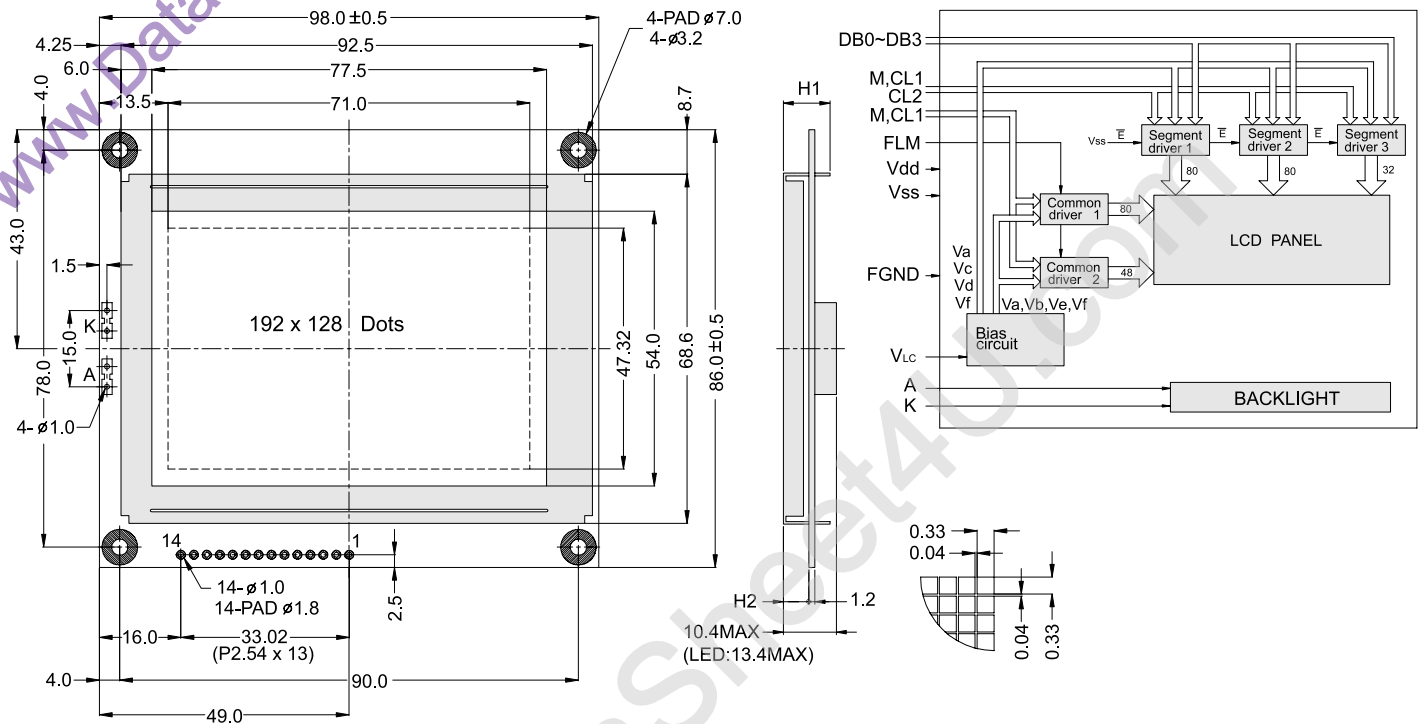


OUTLINE DIMENSION & BLOCK DIAGRAM

液晶之友 电话: 020-33819057

[Http://www.lcdfriends.com](http://www.lcdfriends.com)

 The tolerance unless classified $\pm 0.3\text{mm}$
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