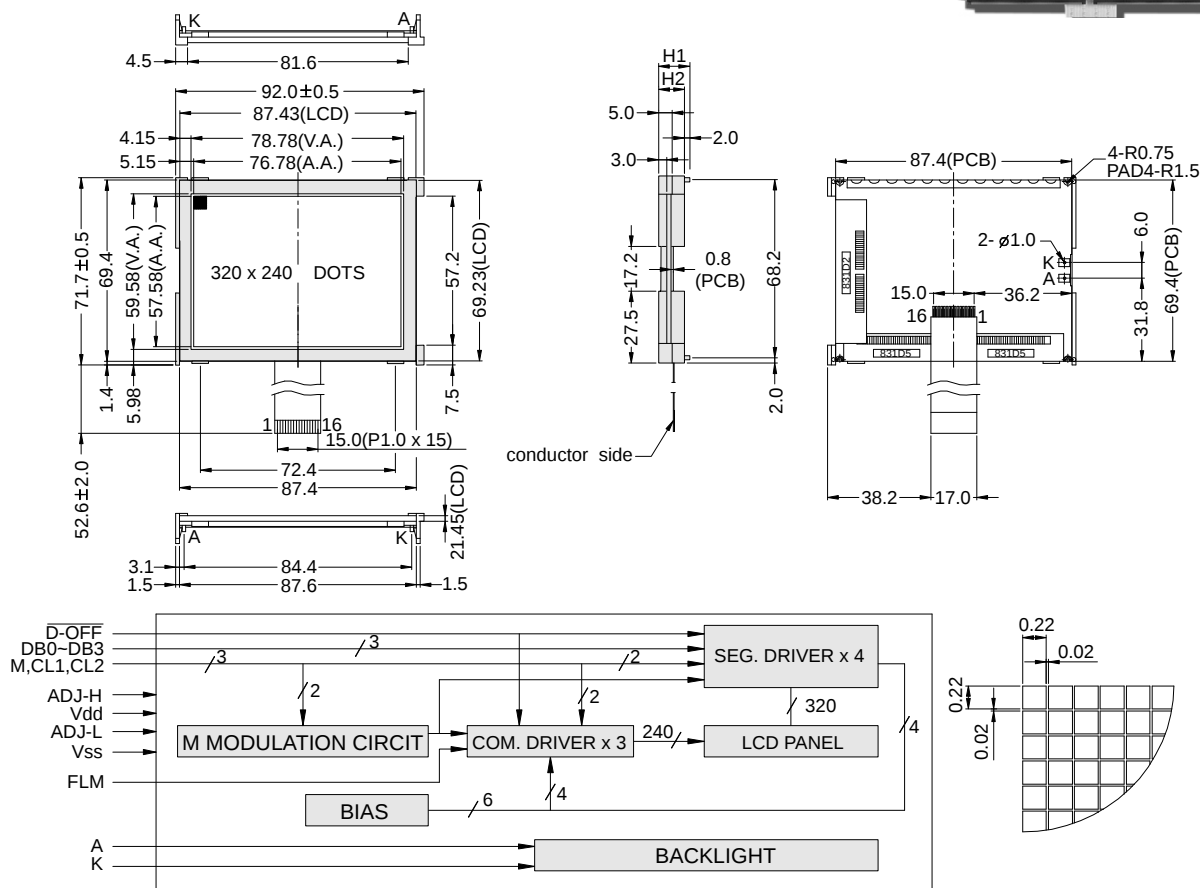


OUTLINE DIMENSION & BLOCK DIAGRAM



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

MECHANICAL SPECIFICATION			
Overall Size	92.0 x 71.7	Module	H2 / H1
View Area	78.78 x 59.58	W / O B/L	- / -
Dot Size	0.22 x 0.22	EL B/L	2.7 / 4.9
Dot Pitch	0.24 x 0.24	LED B/L	9.5 / 11.5

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	FLM	Shift direction select
2	M	Alternation Control signal
3	CL1	Display data input clock
4	CL2	Display data input clock
5	D-OFF	Display enable
6	DB0	Data bus line
7	DB1	Data bus line
8	DB2	Data bus line
9	DB3	Data bus line
10	Vdd	Power supply(+5V)
11	Vss	Power supply(GND)
12	Adj-H	Contrast adjust (1)
13	Adj-L	Contrast adjust (2)
14	NC/EL-EN	No connection / EL-enable
15	A	Power supply for LED B/L (+)
16	K	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	-0.3		45.0		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	2.5		—		5.5		V
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	—	—	—	—	—	—	V
		0°C	—	22.9	—	23.6	—	24.3	V
		25°C	—	22	—	22.7	—	23.3	V
		50°C	—	21.1	—	21.7	—	22.4	V
		70°C	—	—	—	—	—	—	V
LCM current consumption (No B/L)	Idd	Vdd=5V	—		13		—		mA
Backlight current consumption	LED/edge	VB/L=4.2V	—		70		—		mA
	LED/array	VB/L=4.2V	—		—		—		mA

REMARK

LCD option: STN, TN, FSTN

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

