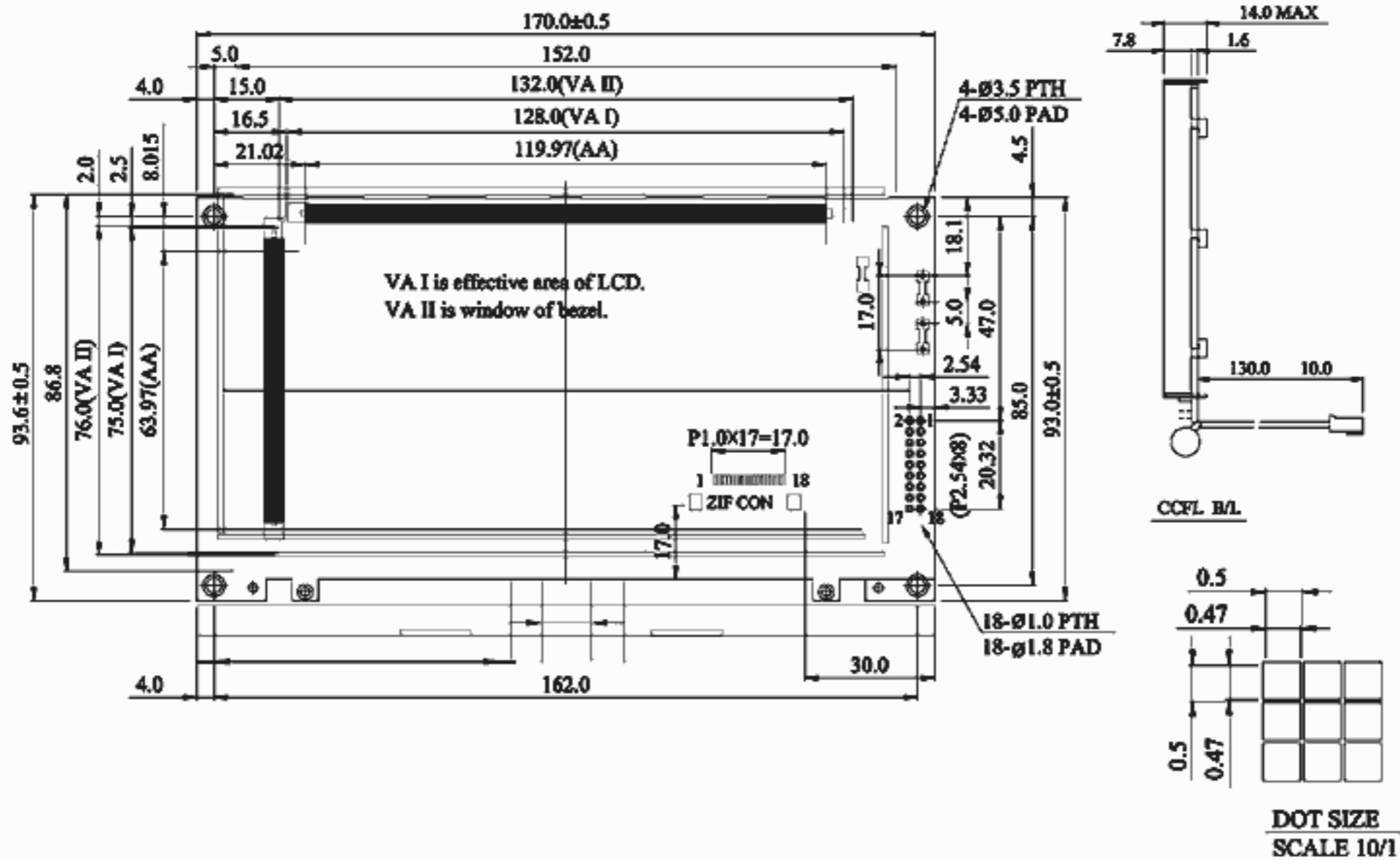


WG240128F Graphic 240x128dots

Dimension drawing



Feature

- 1. +5V power supply
- 2. 1/64 duty cycle
- 3. Built-in N.V

Pin NO.	Symbol	Function
1	FGND	Frame Ground
2	DB0	H/L Data bus line
3	DB1	H/L Data bus line
4	DB2	H/L Data bus line
5	DB3	H/L Data bus line
6	DISPOFF	Display off when low level
7	FLM	Operating voltage for LCD
8	M	Control signal for AC driving
9	LP	Display data slatch
10	CP	Display data shift
11	Vdd	Power supply for(+5v)
12	Vss	Power supply for(GND)
13	Vee	Negative Voltage output
14	Vo	Contrast Adjustment
15	RV	H/L Data bus line
16	NC	No connection
17	A	Power supply for B/L
18	K	Power supply for B/L

Mechanical Data

Item	Standard Value	Unit
Module Dimension	170X93.6	mm
Viewing Area	128x75	mm
Dot Size	0.43x0.43	mm
Dot pitch	0.45x0.45	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	4.75	5.0	5.25	V
Input Voltage	VI	-0.3	---	VDD	V

Note : VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	L level	0.7V _{cc}	---	V _{cc}	V
	VIO	H level	0	---	0.3V _{cc}	V
Supply Current	IDD	VDD=+5V	---	55	60	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	---	---	---	V
		0°C	20.3	21.4	21.8	
		25°C	12.1	19.1	22.1	
		50°C	17.7	18.9	20.1	
LED Forward Voltage	VF	25°C	---	4.2	4.6	V
		25°C	---	900	1800	mA
CCFL	VF	25°C	---	250	590	Vrms
	IF	25°C	---	---	5.5	mA
EL	IEL	Vel=110VAC;400Hz	---	---	5.0	mA

Graphic type