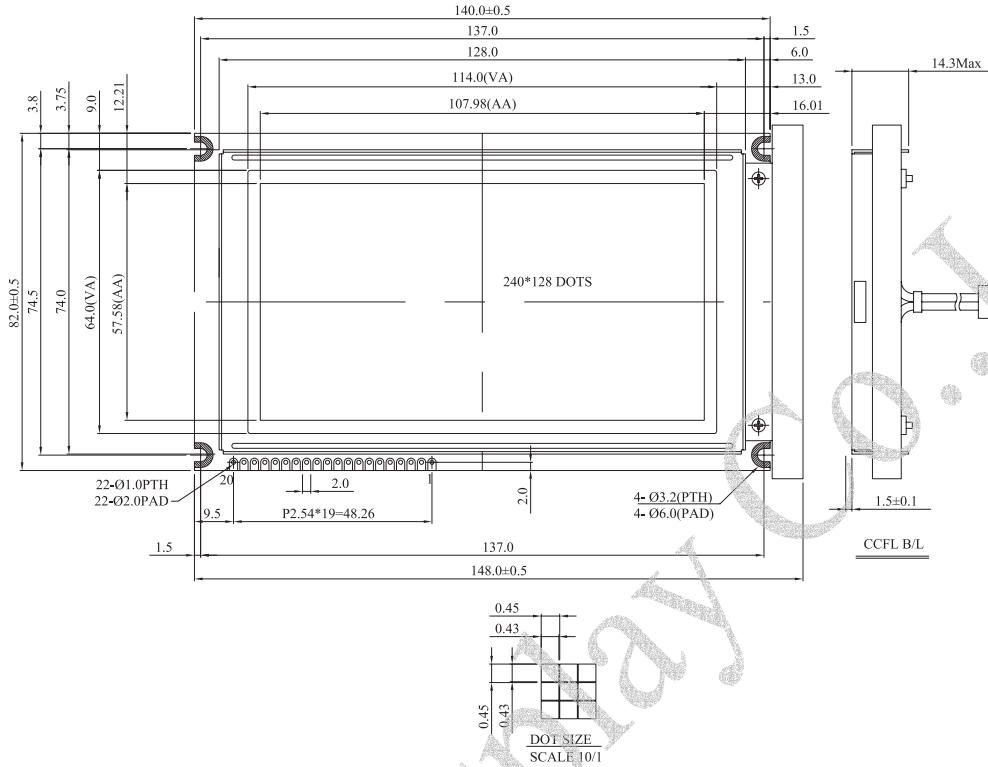


**WG240128R** Graphic 240x128dots

**Dimension drawing**



Graphic type

**Feature**

1. Built-in controller RA8820 or equivalent
2. +5V power supply 2.7~5.0(selective)
3. 1/128 duty cycle
4. Built-in N/V
5. Chinese Version
6. Controller RA8822 optional (WB240128S)

**Mechanical Data**

Item	Standard Value	Unit
Module Dimension	140x82	mm
Viewing Area	114x64	mm
Dot Size	0.43x0.45	mm
Dot Pitch	0.45x0.45	mm
Mounting hole	137.0x74.5	mm

**Absolute Maximum Rating**

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	4.75	5	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 <sub>DD</sub>	---	V <sub>DD</sub>	V
	VIO	H level	---	---	0.3V <sub>DD</sub>	V
Supply Current	IDD	VDD=5V	0	45	50	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-Vo	-20°C	---	---	---	V
		0°C	20.3	21.4	22.5	
		25°C	18.0	19.2	20.2	
		50°C	17.8	18.9	20.0	
LED Forward Voltage	VF	25°C	---	4.2	---	V
		25°C	---	920	1800	mA
CCFL	VF	25°C	---	250	590	
	IF	25°C	---	---	5.5	
EL	IEL	Vel=110VAC;400Hz	---	---	5.0	mA

Pin NO.	Symbol	Function
1	VSS	GND
2	VDD	Power supply for logic
3	Vo	Operating voltage LCD driving
4	C/D	Command/data read/write
5	RD	8080family Read:signal, 6800 family :Enable signal
6	WR	8080family:Write signal, 6800family:R/W signal
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	CS	chip select
16	RES	Reset
17	VEE	Negative Voltage output
18	Busy	RA8820 busy
19	INT	programable interrupt for8802
20	A	Power supply for B/L