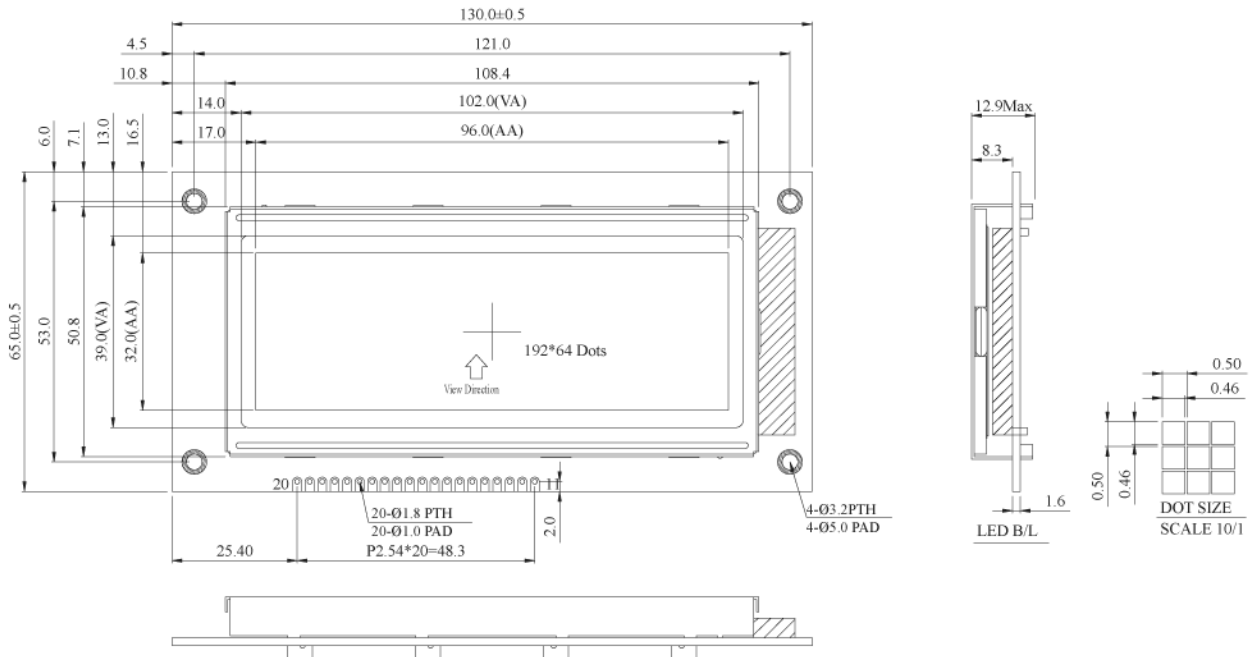




# WG19264A Graphic 192x64 dots

## Dimension drawing



### Feature

1. Built-in controller Samsung-(KS0107,KS0108 or Equivalent)
2. 1/64 duty cycle
3. +5V power supply
4. Optional N/V

Pin NO.	Symbol	Function
1	VSS	Ground
2	VDD	Supply voltage for logic
3	Vo/NC	Operating voltage for LCD/NC
4	R/S	H: Data L: Instruction
5	R/W	H: read data L: write data
6	E	Enable 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	CS1	Chip select IC1
16	RES	Reset signal
17	CS2	Chip select IC2
18	CS3	Chip select IC3
19	VEE	Negative Voltage output
20	A	+5.0V for LED

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	130.0x65.0	mm
Viewing Area	102.0x39.0	mm
Dot Size	0.458x0.458	mm
Mounting hole	0.508x0.508	mm

### Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	4.75	5.0	5.5	V
Input Voltage	VI	0	---	VDD	V

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

### Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD		4.5	5.0	5.5	V
Supply Current	IDD	VDD=5V	3.1	3.6	4.5	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	---	---	9.6	V
		0°C	---	---	---	
		50°C	---	8.4	---	
		25°C	---	---	---	
70°C	7.6	---	---			
LED Forward Voltage	VF	25°C	3.4	4.2	4.6	V
LED Forward Current	IF	25°C	70	540	90	mA
EL Power Supply Current	IEF	Vel=110VAC,400Hz	---	---	5.0	mA

Graphic type