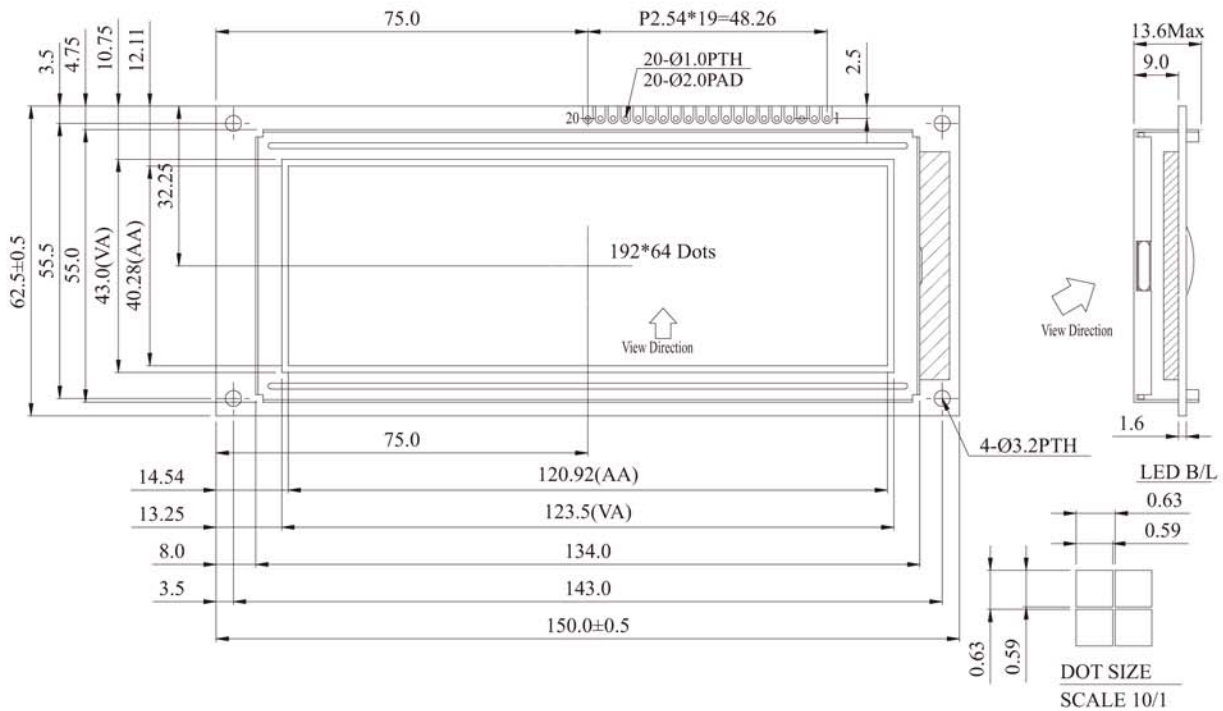




## WG19264E Graphic 192x 64 dots

### Dimension drawing



### Feature

1. Built-in controller NT7107, NT7108 or Equivalent.
2. 1/64 duty
3. +5V power supply

Pin NO.	Symbol	Function
1	VSS	Ground
2	VDD	Supply voltage for logic
3	VO	Operating voltage for LCD
4	RS	H: DATA, L: Instruction code
5	R/W	H/L read/write signal
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	Select Column 1~ Column 64
16	/RST	Reset signal
17	/CS2	Select Column 65~ Column 128
18	/CS3	Select Column 129~ Column 192
19	VEE	Negative Voltage output
20	A	LED(+5)

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	150.0x62.5x13.6MAX	mm
Viewing Area	123.5x43.0	mm
Dot Pitch	0.63x0.63	mm
Dot Size	0.59x0.59	mm

Graphic type

### Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	4.5	5.0	5.5	V
Input Voltage	VI	-0.3	---	VDD+0.3	V

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

### Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD		0.7VDD	---	VDD	V
Supply Current	IDD	VDD=5V	---	100	105	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	25	28	30	V
		-0°C	---	---	---	
		25°C	22.5	23.0	23.5	
		50°C	---	---	---	
		70°C	20.0	20.6	21.2	
LED Forward Voltage	VF	25°C	3.4	3.5	3.6	V
LED Forward Current	IF	25°C	108	128	200	mA
EL Power Supply Current	IEF	Vel=110VAC,400Hz	---	---	---	mA