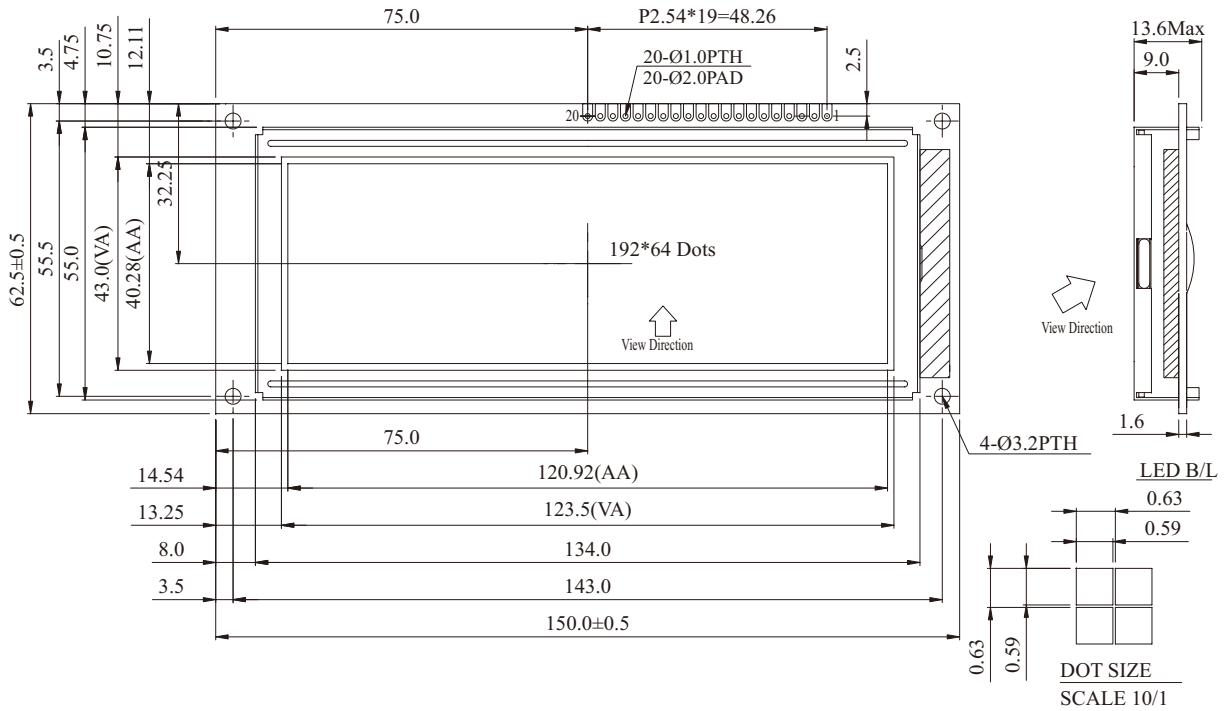


IG19264E Graphic 192x64 dots

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

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.

Electrical 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	Veff=110VAC,400Hz	---	---	---	mA

Graphic type