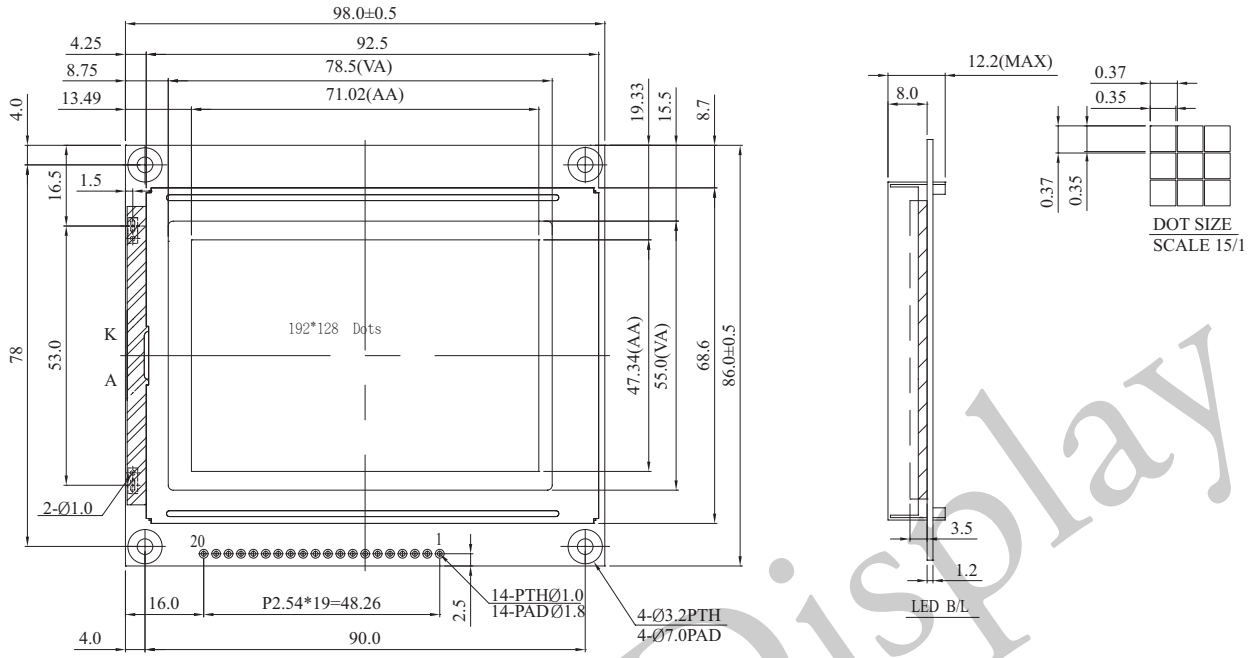
WG192128B Graphic 192x128 dots

Dimension drawing



Graphic type

Feature

1. 192x128 dots includes cursor
2. Built-in controller LC7981
3. + 5V power supply
4. 1/128 duty cycle

Pin NO.	Symbol	Description
1	VSS	Ground
2	Vdd	Power supply for logic circuit
3	Vo	Contrast Adjustment
4	RS	H/L: Register select signal
5	R / $\overline{W}$	H : read , L : write
6	E	Enable
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 enable active " L "
16	/RST	Reset Signal
17	Vee	Negative Voltage output
18	N/C	NC
19	A	Power supply for B/L(+)
20	K	Power supply for B/L(-)

Mechanical Data

Item	Standard Value	Unit
Module dimension	98.0 x 86.0	mm
Viewing area	78.5 x 55.0	mm
Mounting hole	90.0 x 78.0	mm
Dot Size	0.35x0.35	mm
Dot Pitch	0.37x0.37	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	--	VDD	V

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

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD-VSS	–	4.5	5.0	5.5	V
Supply Current	IDD	VDD=5V	–	23.5	–	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20ºC	–	–	–	V
		25ºC	14.48	14.9	15.28	
		+70ºC	–	–	–	
LED Forward Voltage	VF	25ºC	4.9	5.0	5.1	V
LED Forward Current	IF	25ºC	64	80	120	mA