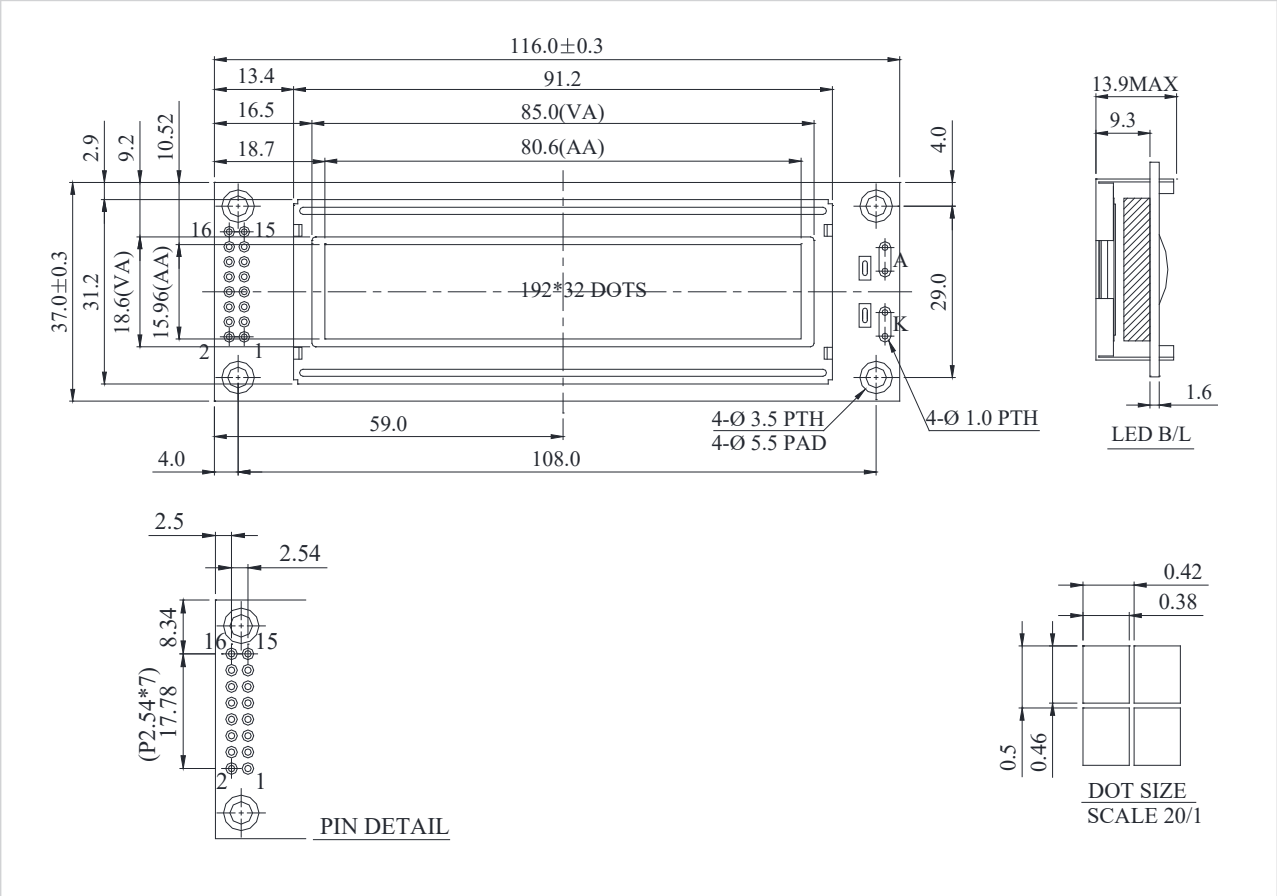
NTG19232C Graphic 192x32 dots



Feature

1.Built-in controller ST7920
2.NTG19232C3 :+3.3V power supply ;
NTG19232C5 :+5V power supply
3.1/32 duty cycle
4.LED can be driver by PIN15, PIN16
5.Same size as NTH2002A

Pin No.	Symbol	Description
1	VSS	Ground
2	VDD	Power supply for logic
3	VO	Contrast Adjustment
4	RS	Data/ Instruction select signal
5	R/W	Read/Write select 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	A	Power supply for B/L +
16	K	Power supply for B/L -

Mechanical Data

Item	Standard Value	Unit
Module Dimension	116.0 x 37.0	mm
Viewing Area	85.0 x 18.6	mm
Mounting Hole	108.0 x 29.0	mm
Dot Pitch	0.42 x 0.50	mm
Dot Size	0.38 x 0.46	mm

Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Input Voltage	VDD	3/5	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25°C	Vo-Vss	4.50	V