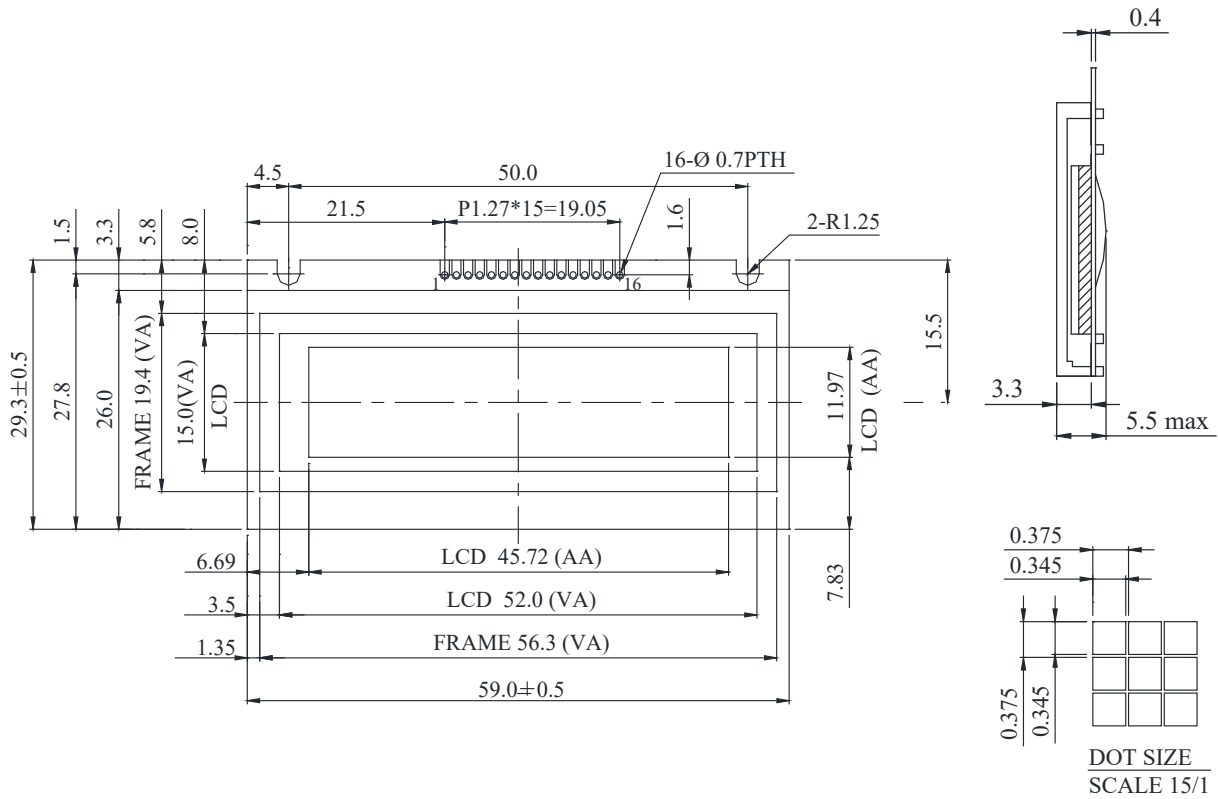


# NTG12232N Graphic 122x32 dots



## Feature

1. Built-in controller ST7920
2. 1/32 duty cycle
3. N.V. optional for 3.0V power supply
4. Chinese version
5. Same size with NTG12232D
6. White LED backlight not available

Pin No.	Symbol	Description
1	V <sub>LED</sub>	Power supply for B/L -
2	V <sub>SS</sub>	Ground
3	V <sub>DD</sub>	Power supply for logic
4	V <sub>O</sub>	Contrast Adjustment
5	RS	Data/ Instruction select signal
6	E	Enable signal
7	Vout	Positive Voltage output
8	DB0	Data bus line
9	DB1	Data bus line
10	DB2	Data bus line
11	DB3	Data bus line
12	DB4	Data bus line
13	DB5	Data bus line
14	DB6	Data bus line
15	DB7	Data bus line
16	R/W	Read/Write select signal

## Mechanical Data

Item	Standard Value	Unit
Module Dimension	59.0 x 29.3	mm
Viewing Area	52.0 x 15.0	mm
Mounting Hole	50.0	mm
Dot Pitch	0.375 x 0.375	mm
Dot Size	0.345 x 0.345	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	4.35	V