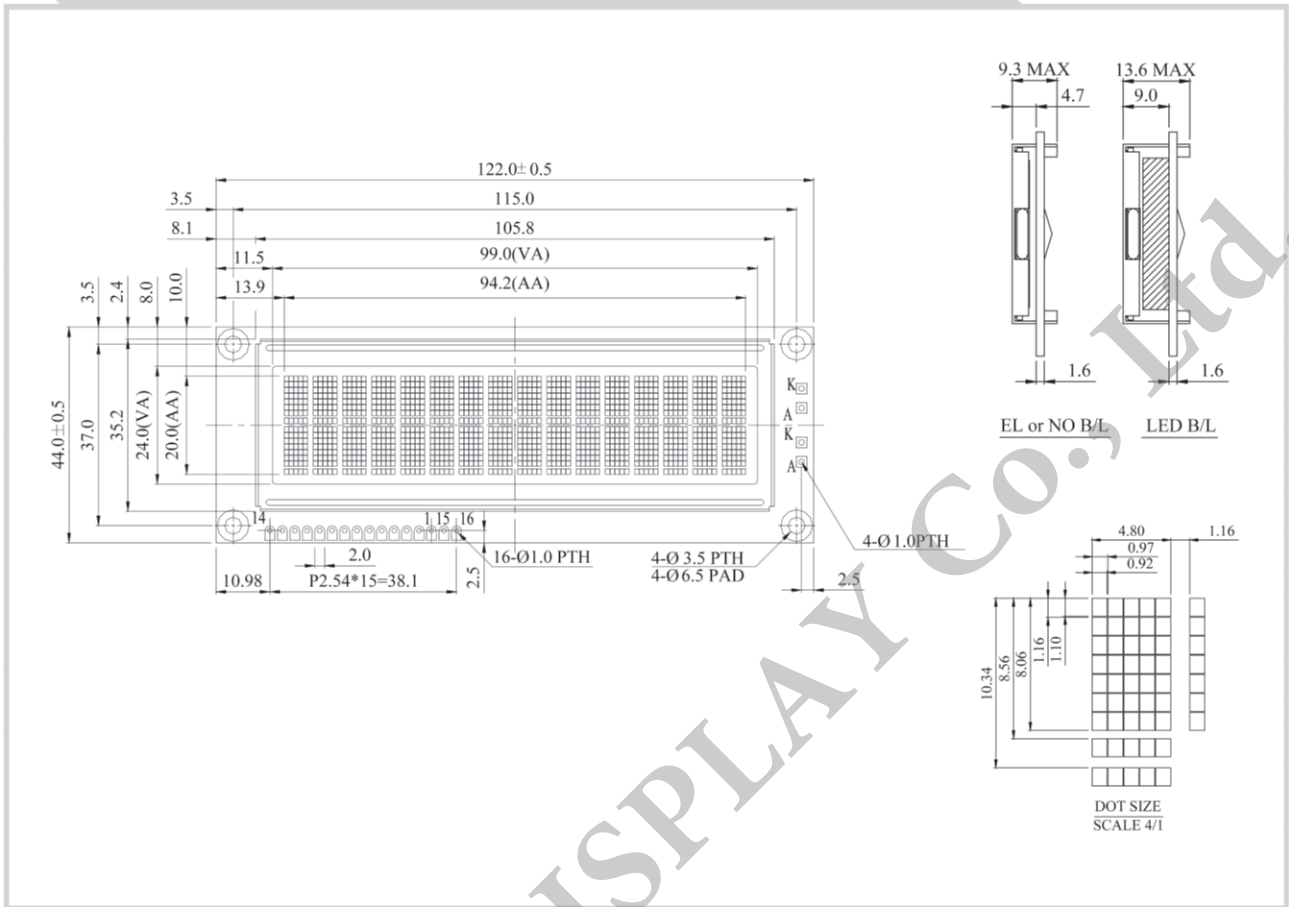# WH1602L1 Character 16x2

Feature

1. 5x8 dots includes cursor
2. Bulit-in controller (ST7066 or Equivalent)
3. 5V power supply (Also available for 3V)
4. N.V, optional for 3V power supply
5. 1/16 duty cycle
6. LED can be driven by PIN1, PIN2, PIN15, PIN16 or A and K
7. Interface : 6800, option SPI/I2C (RW1063 IC)
8. Chinese version : WG16032D

Pin No.	Symbol	Description
1	V_{SS}	Ground
2	V_{DD}	Power supply for logic
3	V_O	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	122.0 x 44.0	mm
Viewing Area	99.0 x 24.0	mm
Mounting Hole	115.0 x 37.0	mm
Character Size	4.80 x 8.56	mm

Electrical Characteristics

Item	Symbol	Standard Value typ.	Unit
Input Voltage	VDD	3/5	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25ºC	VDD-VO	4.20	V

Display Character Address Code

Display position

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DD RAM Address	00	01														0F
DD RAM Address	40	41														4F