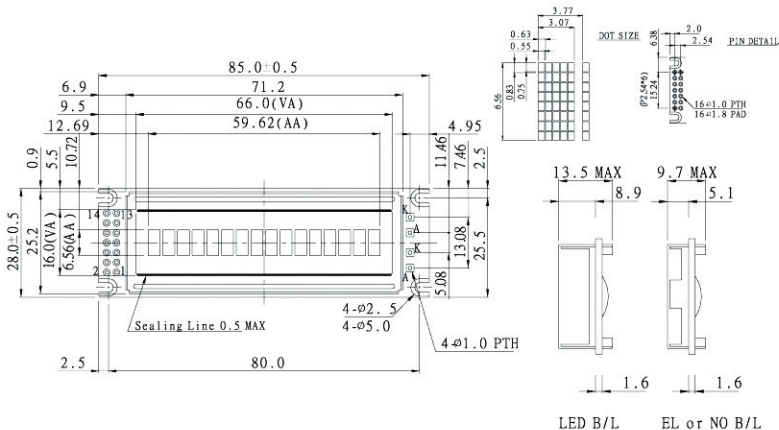


# WH1601B Character16x1

Dimension drawing



## Feature

- 5x8 dots includes cursor
- Built-in controller (KS 0066 or Equivalent)
- +5V power supply
- 1/16 duty cycle
- LED can be driven by pin1, pin2, pin15, pin16 or A and K

Pin NO.	Symbol	Function
1	Vss	GND
2	Vdd	+5V
3	Vo	Contrast Adjustment
4	RS	H/L Register select signal
5	R/W	H/L Read / write signal
6	E	H → L Enable signal
7	DB0	H/L Data bus line
8	DB1	H/L Data bus line
9	DB2	H/L Data bus line
10	DB3	H/L Data bus line
11	DB4	H/L Data bus line
12	DB5	H/L Data bus line
13	DB6	H/L Data bus line
14	DB7	H/L Data bus line

Character type

## Mechanical Data

Item	Standard Value	Unit
Module Dimension	85.0x28.0	mm
Viewing Area	66.0x16.0	mm
Mounting hole	80.0x23.0	mm
Character Size	3.07x6.56	mm

## Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	-0.3	---	7.0	V
Input Voltage	VI	-0.3	---	VDD	V

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

## Electrical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	VDD→+5V	4.7	5.0	5.3	V
Supply Current	IDD	VDD=5V	---	1.2	1.4	mA
Recommended LC Driving Voltage for Normal Temp Version module	VDD-V0	-20°C	4.9	5.1	5.5	V
		0°C	4.5	4.8	5.1	
		25°C	4.1	4.5	4.7	
		90°C	3.8	4.2	4.4	
		70°C	3.5	3.9	4.1	
LED Forward Voltage	VF	25°C	---	4.2	4.6	V
LED Forward Current	IF	25°C	---	130	260	mA
EL Power Supply Current	I <sub>EL</sub>	V <sub>el</sub> =110VAC, 400Hz	---	---	5.0	mA

## 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 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16