

### Part number list

WH1602S-□□□-□□#

BC1602K1□□□□□\$

### Feature

1. Built-in controller ST7066 or equivalent
2. +5V single power supply
3. (Option) +3V power supply
4. (Option) negative voltage for +3V power
5. (Option) SPI, I2C interface

### Pin Assignment

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	R/W	Read/Write select signal
7	E	Enable signal
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	NC	No connection

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	59.0 x 29.3	mm
Viewing Area	52.0 x 15.0	mm
Dot Size	0.45 x 0.54	mm
Character Size	2.45 x 4.67	mm

### Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Input Voltage	VDD	5	v
Recommended LCD Driving Voltage for Normal Temp. Version module @ 25°C	VDD-VO	3.7	v

### Mechanical Drawing

