

Part number list

WH2002D-□□□-□□#

Pin Assignment

Pin No.	Symbol	Description
1	NC	No connection
2	NC	No connection
3	V _{SS}	Ground
4	V _{DD}	Power supply for logic
5	V _O	Contrast Adjustment
6	RS	Data/ Instruction select signal
7	R/W	Read/Write select signal
8	E	Enable signal
9	DB0	Data bus line
10	DB1	Data bus line
11	DB2	Data bus line
12	DB3	Data bus line
13	DB4	Data bus line
14	DB5	Data bus line
15	DB6	Data bus line
16	DB7	Data bus line
17	V _{LED-}	Power supply for B/L +
18	V _{LED}	Power supply for B/L -
19	NC	No connection
20	NC	No connection

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

Mechanical Data

Item	Standard Value	Unit
Module Dimension	89.0 x 21.5	mm
Viewing Area	75.0 x 15.0	mm
Dot Size	0.55 x 0.60	mm
Character Size	2.95 x 5.15	mm

Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Input Voltage	V _{DD}	5	V
Recommended LCD Driving Voltage for Normal Temp. Version module @ 25°C	V _{DD-VO}	4.2	V

Mechanical Drawing

