

Part number list

WH1602O-□□□-□□#

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	DB7	Data bus line
2	DB6	Data bus line
3	DB5	Data bus line
4	DB4	Data bus line
5	DB3	Data bus line
6	DB2	Data bus line
7	DB1	Data bus line
8	DB0	Data bus line
9	E	Enable signal
10	R/W	Read/Write select signal
11	RS	Data/ Instruction select signal
12	V _O	Contrast Adjustment
13	V _{SS}	Ground
14	V _{DD}	Power supply for logic

Mechanical Data

Item	Standard Value	Unit
Module Dimension	85.0 x 25.2	mm
Viewing Area	66.0 x 16.0	mm
Dot Size	0.55 x 0.65	mm
Character Size	2.95 x 5.55	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

