

DESCRIPTION

Winstar WH1602A is a 16x2 Character dot Matrix LCD Display Module which is built in with ST7066 controller IC or equivalent; its default interface is 6800 4/8-bit parallel. This display is also available in SPI and I2C interface by using RW1063 controller IC. WH1602A is available in several different backlight colors including blue, green, white, yellow-green, amber, red, white LEDs. There are different character fonts/texts available for ST7066 IC including English/Japanese, English/West European, English/Scandinavian European, or English/Cyrillic (Russian) as options.

There are different interface options for WH1602A series, details as below:

- ▶ WH1602A : 6800 interface (ST7066 IC)
- ▶ WH1602A2: SPI interface (RW1063 IC)
- ▶ WH1602A3: I2C interface (RW1063 IC)

SPECIFICATIONS

WH1602A LCD Datasheet

Interface Pin Function

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
7~14	DB0~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	84.0 × 44.0	mm
Viewing Area	66.0 × 16.0	mm
Mounting Hole	79.0 / 76.0 × 36.0	mm
Character Size	2.95 × 5.55	mm

DRAWING

