A guide of Module OLED Model. OLED 1.3 I2C

ETT

SPECIFICATIONS

- Use CHIP No.SH1106
- Use 3.3V-5V POWER SUPPLY
- Graphic LCD 1.3" in width with 128x64 Dot Resolution
- White Display is used for the model **OLED 1.3 I2C WHITE** and blue Display is used for the model **OLED 1.3 I2C BLUE**
- Use I2C Interface
- Directly connect signal to Microcontroller 3.3V and 5V without connecting through Voltage Regulator Circuit
- Total Current when running together is 8 mA
- PCB Size: 33.7 mm x 35.5 mm

Table shows name and function of Pin OLED

| Pin No.	Pin Name	Description
1	VDD	Pin Power Supply for LCD, using 3.3V-5V
2	GND	Pin Ground
3	SCK	Pin SCL of I2C Interface
4	SDA	Pin SDA of I2C Interface

Example of connecting with Board Arduino

This example illustrates how to connect together with Board Arduino, in this case, it is Board **ET-BASE AVR EASY328**. It is used together with Program **Arduino** and Library "**u8glib**" (https://github.com/olikraus/u8glib/) to connect and communicate to Module OLED.
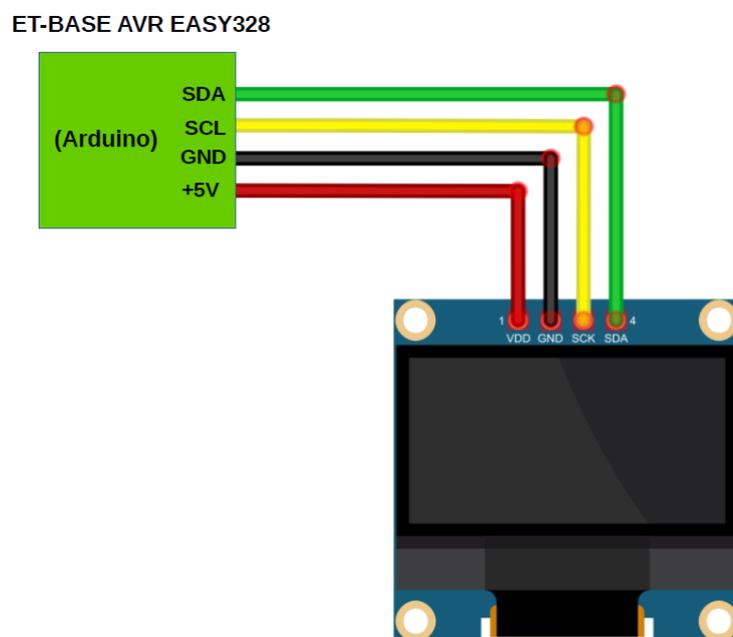
- Firstly, install Library"**u8glib**"; go to Menu **Sketch > Include Library > Add.ZIP Library...**
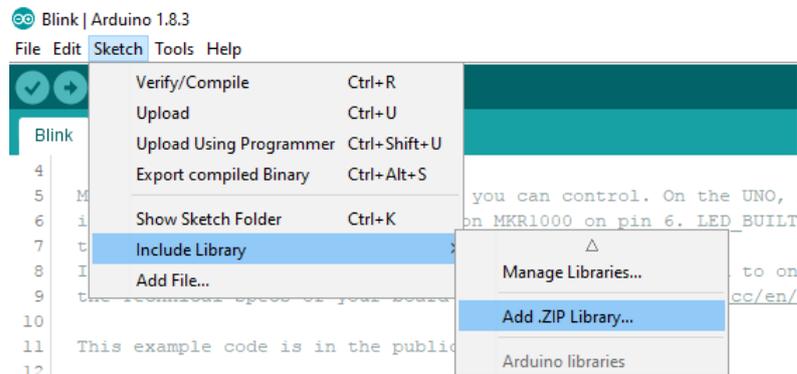
- Go to Folder **Lib_Arduino\u8glib** in CD-ROM; next, choose **U8glib_Arduino-1.19.1.zip** as shown in the picture below.
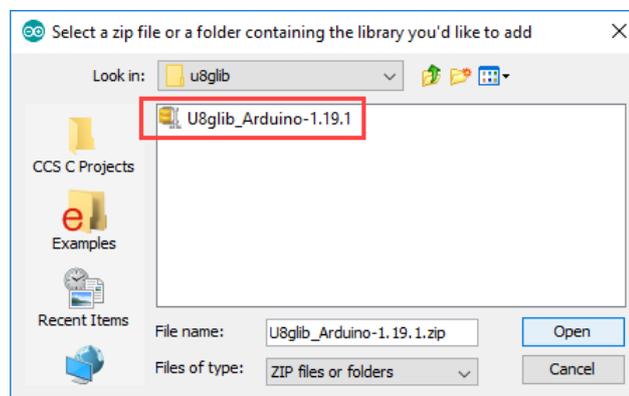
- Wire Circuit as shown in the picture below

ET-BASE AVR EASY328

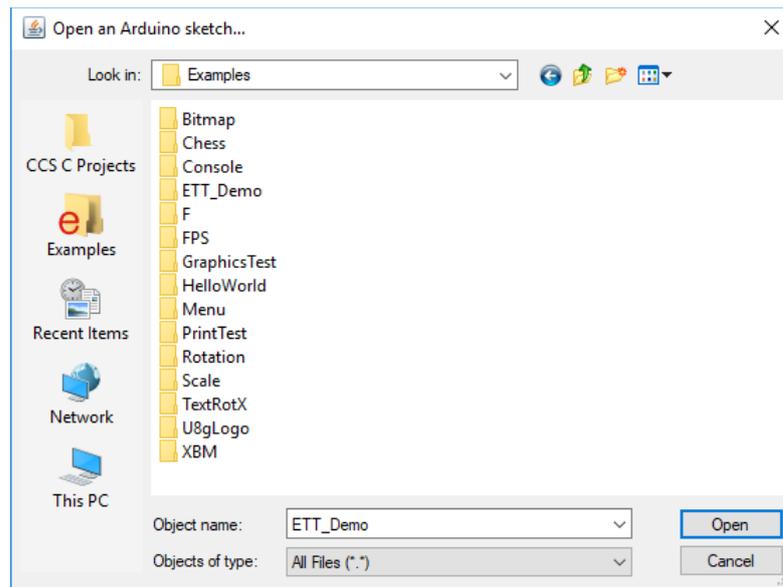-Open Example Program in Folder **Examples** provided with CD-ROM; and finally, upload the program into board.

Diagram shows dimensions of Module OLED 1.3 LED