

4 Digit seven segment display

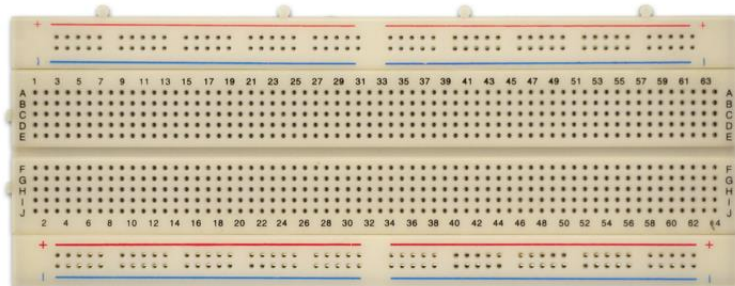
Components

For this experiment you are going to need following components,

- 1 pcs of DIYMALL Arduino Uno board



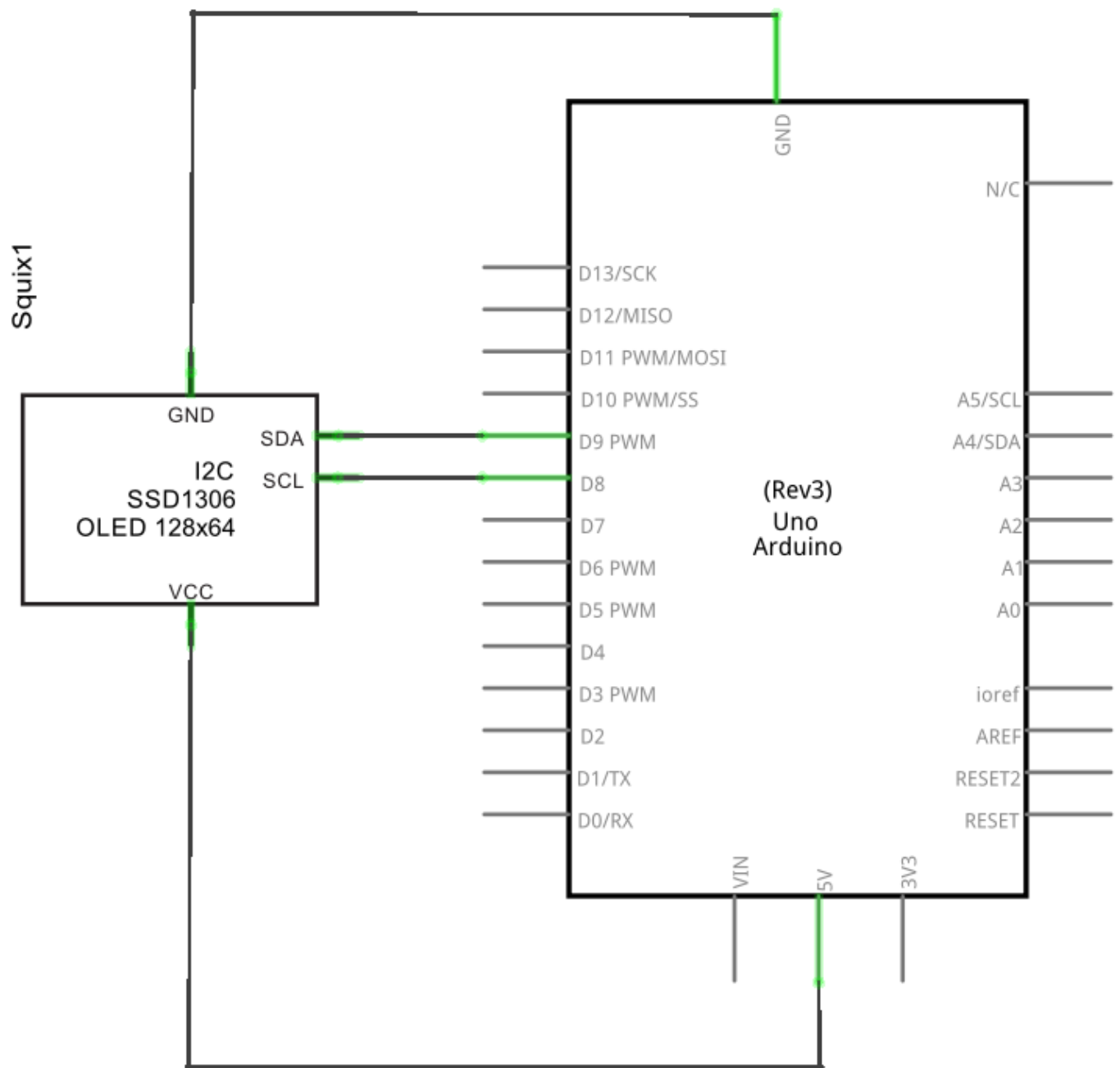
- 1 pcs of solder less bread board



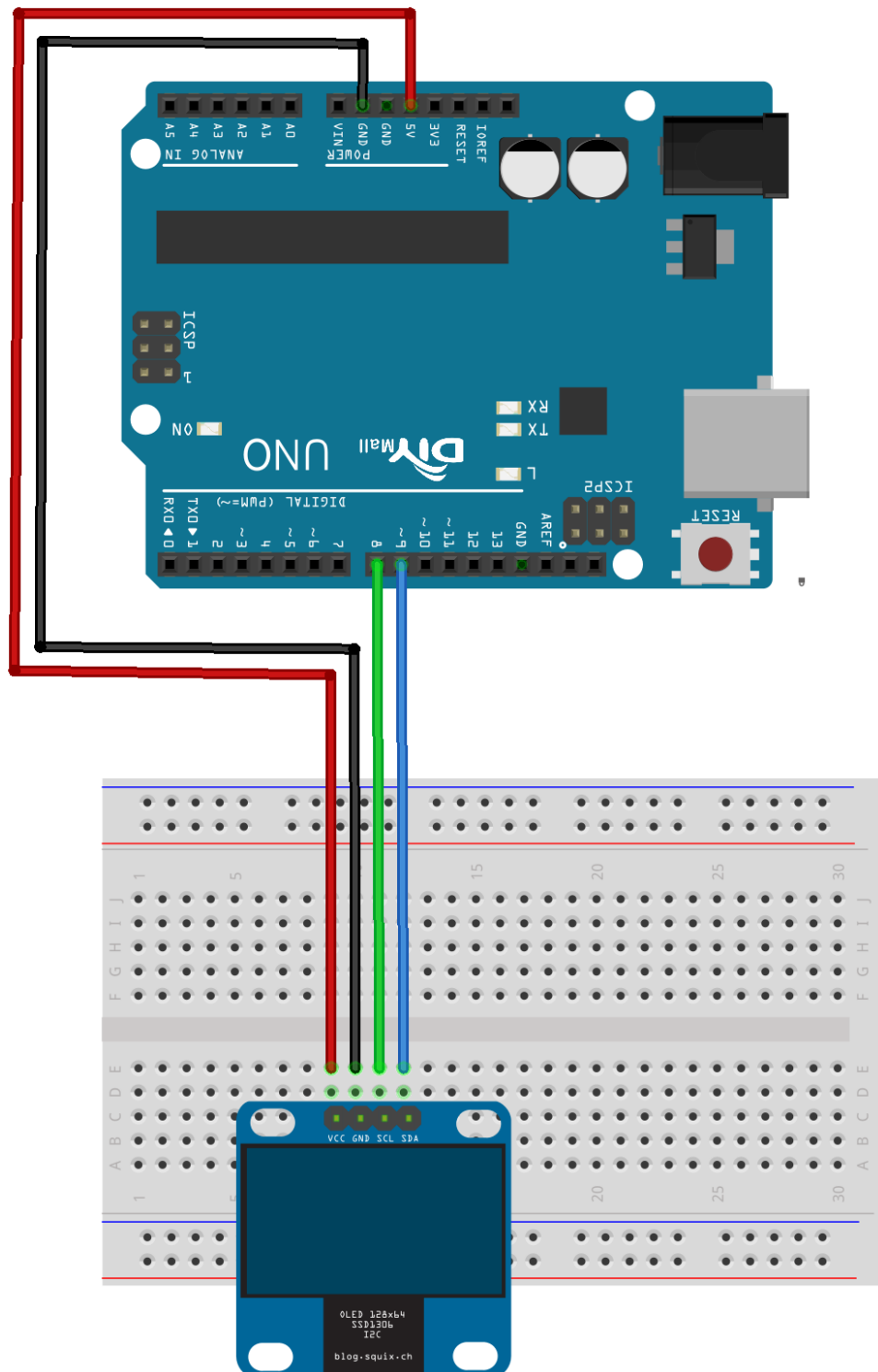
- 1 pcs of SSD1306 OLED display
- Bread board jumpers



Schematic



Connection



Circuit Explanation

Vcc and GND pins of the display is connected to Arduino 5V and GND. SCL pin is connected to arduino pin 8 & SDA pin is connected to arduino digital pin 9

Installing Libraries

There are two folders in the folder called libraries copy those folders and past them in arduino sketch folder >> libraries (arduino sketch folder is normally located in (my) documents)

Arduino Code

```
#include <Adafruit_ssd1306syp.h>

#define SDA_PIN 9
#define SCL_PIN 8

Adafruit_ssd1306syp display(SDA_PIN,SCL_PIN);

void setup()
{
    delay(1000);
    display.initialize();
}

void loop()
{
    display.clear();
    display.setTextSize(4);
    display.setTextColor(WHITE);
    display.setCursor(0,0);
    display.println("DIYMALLS");
    display.update();
    delay(2000);
}
```

```
display.clear();  
}
```

- ✓ Upload the code
- ✓ Text “DIYMALLS” should appear on the display

If you have any problem regarding this tutorial or the module feel free to contact out tech support department

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Aliexpress store link: <http://www.aliexpress.com/store/406986>

Amazon Store: DIYmall
QQ: 313907377
Skype: freezone992
email: sales@diymalls.com

Website: www.diymalls.com