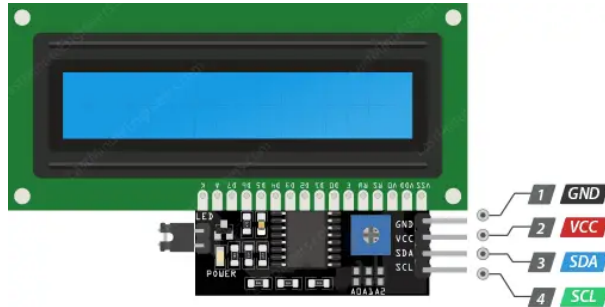


# Principles

- A typical I2C LCD display consists of an HD44780-based character LCD display and an I2C LCD adapter.

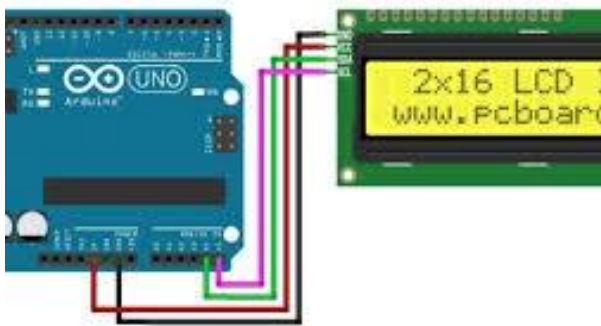
## Hardware Module



I2C LCD Pinout

Last Minute  
ENGINEERS.com

## Schematic



- A4 -> SDA
- A5 -> SCL

## Software Library

- [https://github.com/johnrickman/LiquidCrystal\\_I2C](https://github.com/johnrickman/LiquidCrystal_I2C)

**LiquidCrystal I2C** by ...  
Frank de Brabander

1.1.2 installed

A library for I2C LCD displays.  
The library allows to control I2C  
displays with functions...

[More info](#)

## Code

```
LiquidCrystal_I2C lcd(0x27, 16, 2);

void setup() {
  lcd.init();
  // turn on the backlight
  lcd.backlight();
}

void loop() {
  //wait for a second
  delay(1000);
  // tell the screen to write on the top row
  lcd.setCursor(0,0);
  // tell the screen to write "hello, from" on the top row
  lcd.print("Hello, From");
  // tell the screen to write on the bottom row
  lcd.setCursor(0,1);
  // tell the screen to write "Arduino_uno_guy" on the bottom row
  // you can change whats in the quotes to be what you want it to be!
  lcd.print("NKU");
}
```

## Links

- [In-Depth: Interfacing an I2C LCD with Arduino](#)