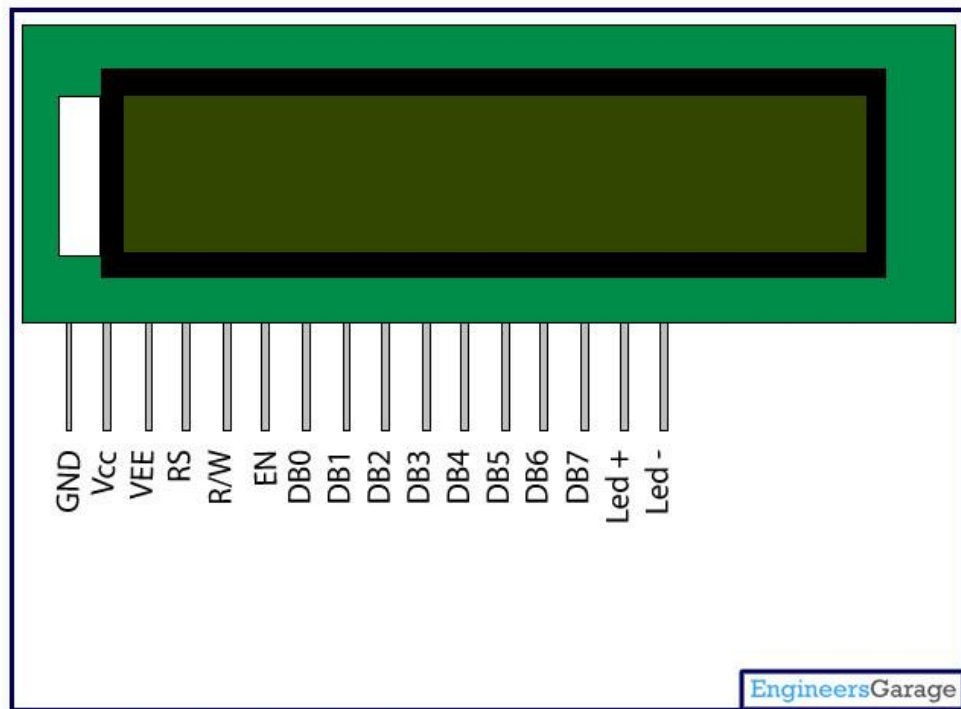


CALCULATOR WITH ARDUINO + LCD + KEYPAD

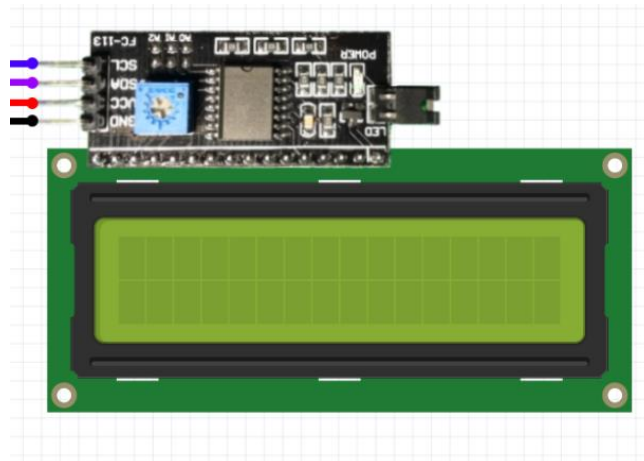
One of the many display devices that you can connect with Arduino is a 16x2 LCD.

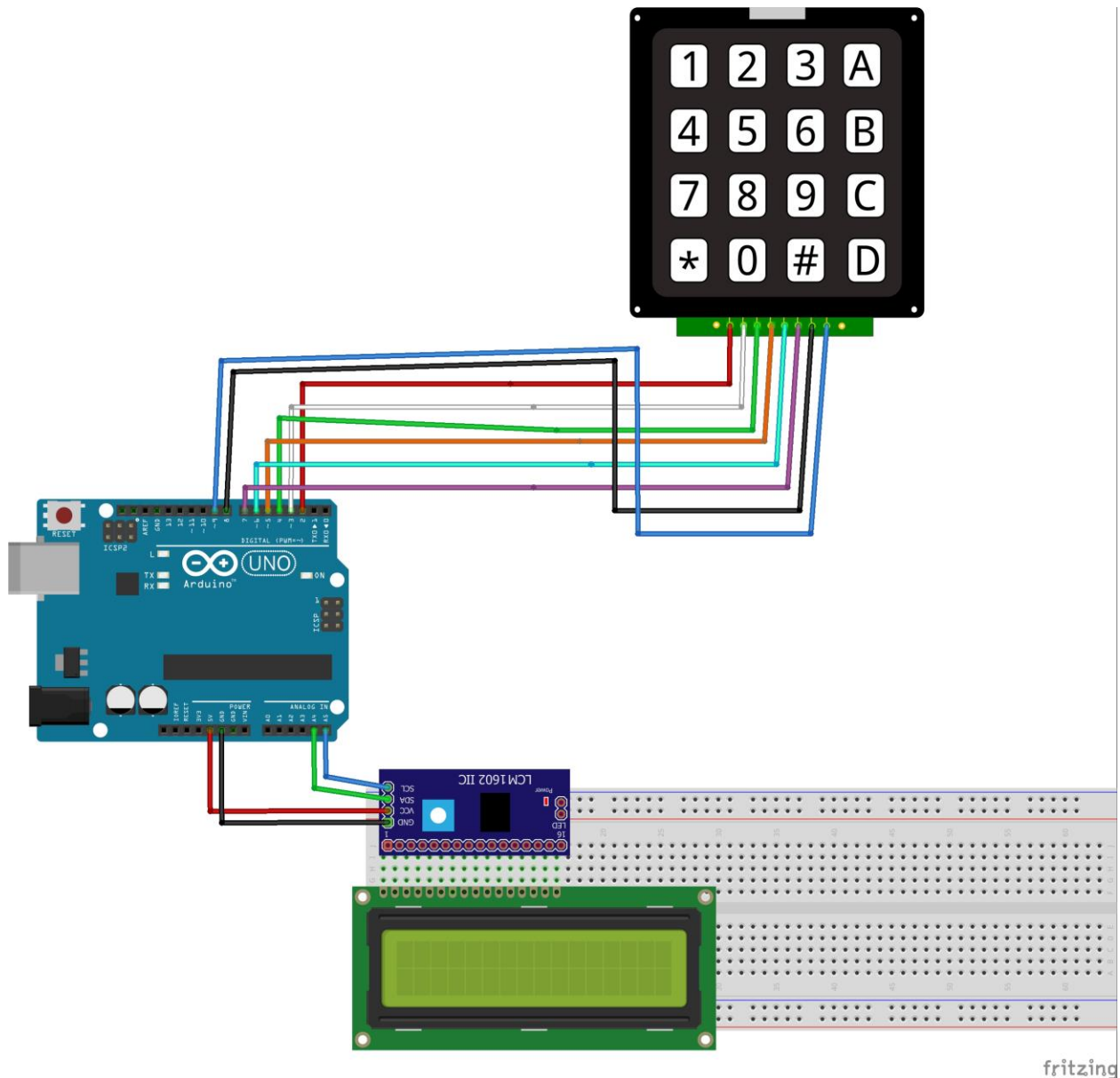


We can either connect the LCD directly to Arduino connecting properly all the data pins to the digital pins and creating an instance of LCD class using LiquidCrystal Library or we can use an I²C module and use the A4 and A5 pins on the Arduino which are SDA and SCL for I²C bus respectively.

Schematic

We need to make the following connection which can be easily done with or without the BreadBoard.





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Libraries

We need to download the following libraries.

- Keypad.h from <http://playground.arduino.cc/Code/Keypad>
- LiquidCrystal_I2C.h from <https://github.com/fdebrabander/Arduino-LiquidCrystal-I2C-library>

The following library must be installed with Arduino.

- Wire.h

Code

Download the Code from

<https://github.com/Makeistan/Calculator/tree/master>