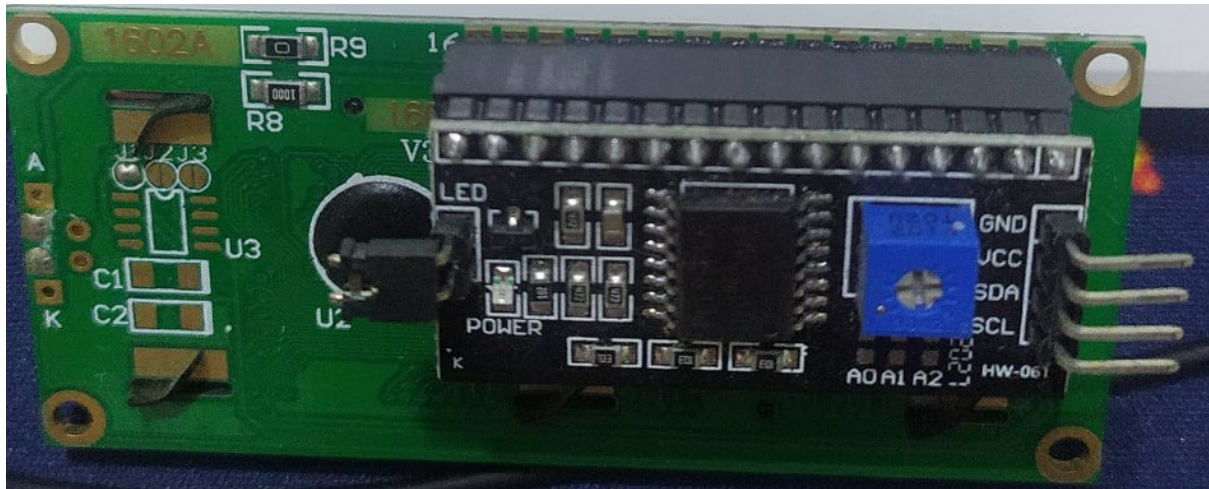


1. Display to Display I2C module (parallel to i2c converter):



2. Display I2C module to Arduino:

Display pin	Arduino pin/ power connection
GND	Ground
VCC	+5 volts
SDA	Pin 20 (SDA)
SCL	Pin 21 (SCL)

3. Sim 800L GSM module to Arduino:

Sim 800L pin	Arduino pin/ power connection
GND	Ground
VCC	+3.7 to +4.4 volts **( Do not use 5 volts / 3.3 volts )
RX	Pin 14 (TX3)
TX	Pin 15 (RX3)

4. Real-Time clock (RTC) I2C module to Arduino:

Sensor pin	Arduino pin/ power connection
GND	Ground
VCC	+5 volts
SDA	Pin 20 (SDA) ** use a breadboard or similar as the
SCL	Pin 21 (SCL) ** connections are the same as Display

5. DHT11/22 Temperature Humidity Sensor module to Arduino:

Sensor pin	Arduino pin/ power connection
GND	Ground
VCC	+5 volts
Data	Pin 5

6. Pir motion detection Sensor module to Arduino:

Pir pin	Arduino pin/ power connection
GND	Ground
VCC	+5 volts
Data	Pin 4

7. SD card module to Arduino:

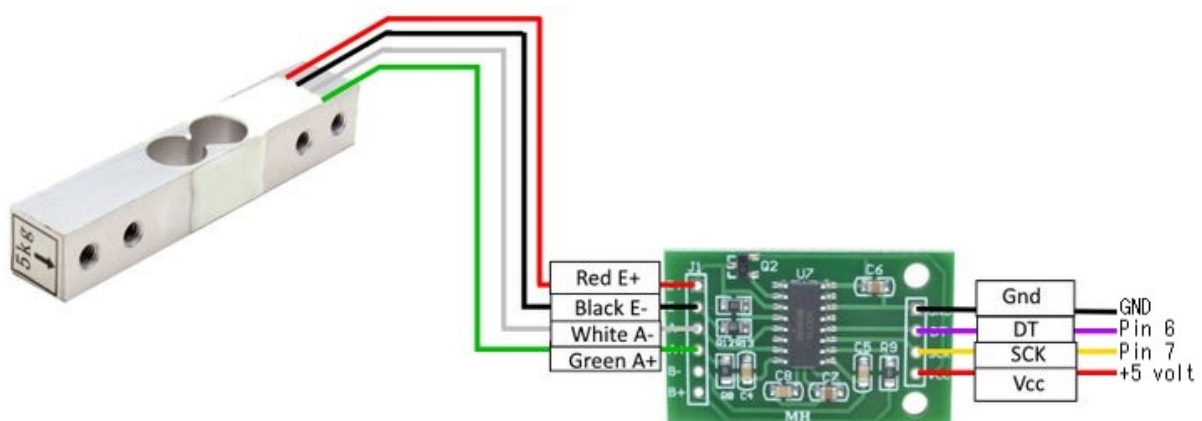
SD Card pin	Arduino pin/ power connection
GND	Ground
VCC	+5 volts
CS	Pin 53
MOSI	Pin 51
SCK	Pin 52
MISO	Pin 50

8. Load Cell to HX711 (Load cell amplifier):

Load cell wire color	HX711 pin
RED	E+
BLACK	E-
WHITE	A-
GREEN	A+

9. HX711 (Load cell amplifier) to Arduino:

HX711	Arduino pin/ power connection
GND	GND
DT	Pin 6
SCK	Pin 7
VCC	+5 volt



# 10. Push Switch 1 to Arduino:

Push Switch 1	Arduino pin/ power connection
Side 1	5 volts
Side 2	Pin 2 (also connected with GND via 10k resistor)

# 11. Push Switch 2 to Arduino:

Push Switch	Arduino pin/ power connection
Side 1	5 volts
Side 2	Pin 3 (also connected with GND via 10k resistor)

