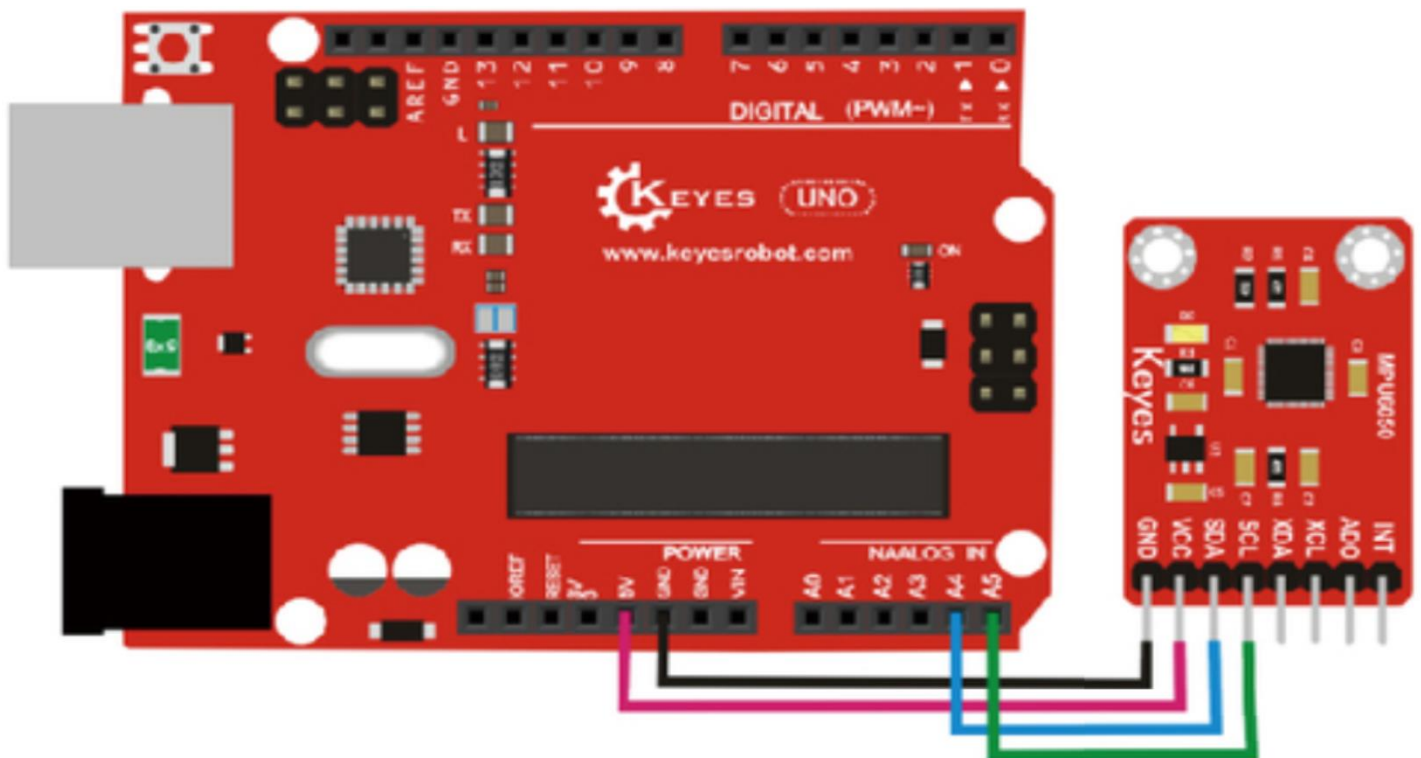## KE0075 KEYES MPU6050 module three-dimensional angle sensor three-axis accelerometer electronic gyroscope

Parameters:

Working Voltage: 3.3 ~ 5VDC
range of±250, ±500, ±1000, and ±2000°/sec (dps)
Colour: Red
Size: 34x22x12mm.
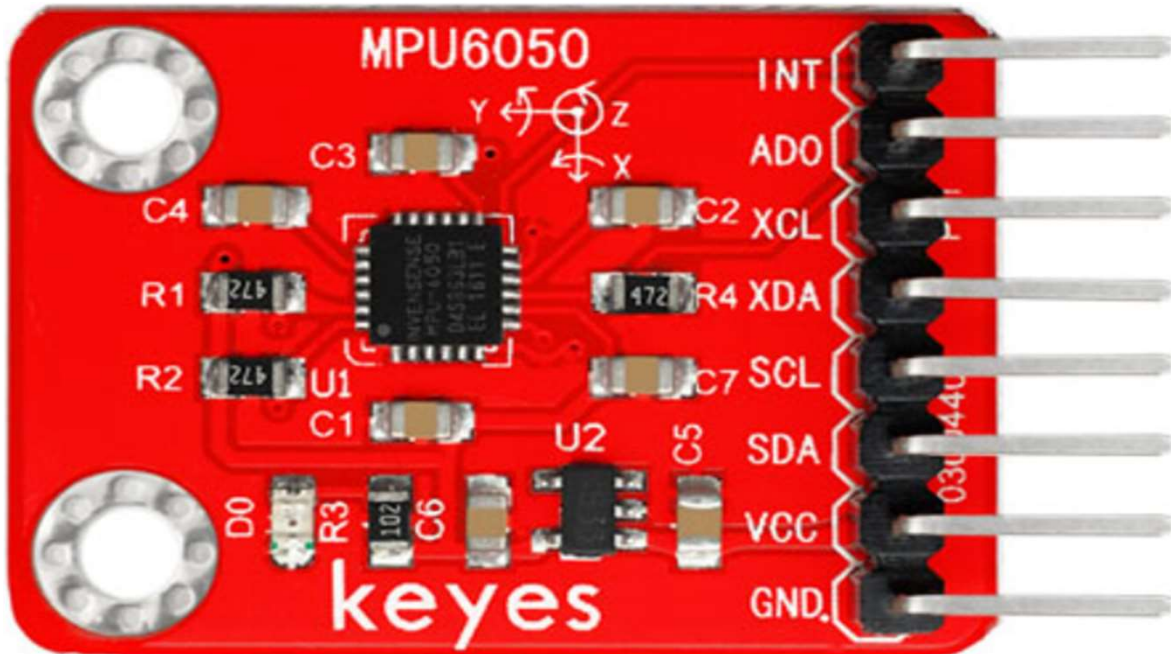
PINOUT Instruction:

Sample Code:

```
/*
 AnalogReadSerial
 Reads an analog input on pin 0, prints the result to the serial monitor.
 Attach the center pin of a potentiometer to pin A0, and the outside pins to +5V and ground.
 This example code is in the public domain.
 */
// the setup routine runs once when you press reset:
void setup() {
  // initialize serial communication at 9600 bits per second:
  Serial.begin(9600);
}

// the loop routine runs over and over again forever:
void loop() {
  // read the input on analog pin 0:
  int sensorValue = analogRead(A0);
  // print out the value you read:
  Serial.println(sensorValue);
  delay(1);        // delay in between reads for stability
}
```

Result:

Open the Serial monitor and tilt the sensor in different direction and see the output values changing

Datasheet for MPU-6050   http://www.mantech.co.za/Datasheets/Products/MPU-6050.pdf