

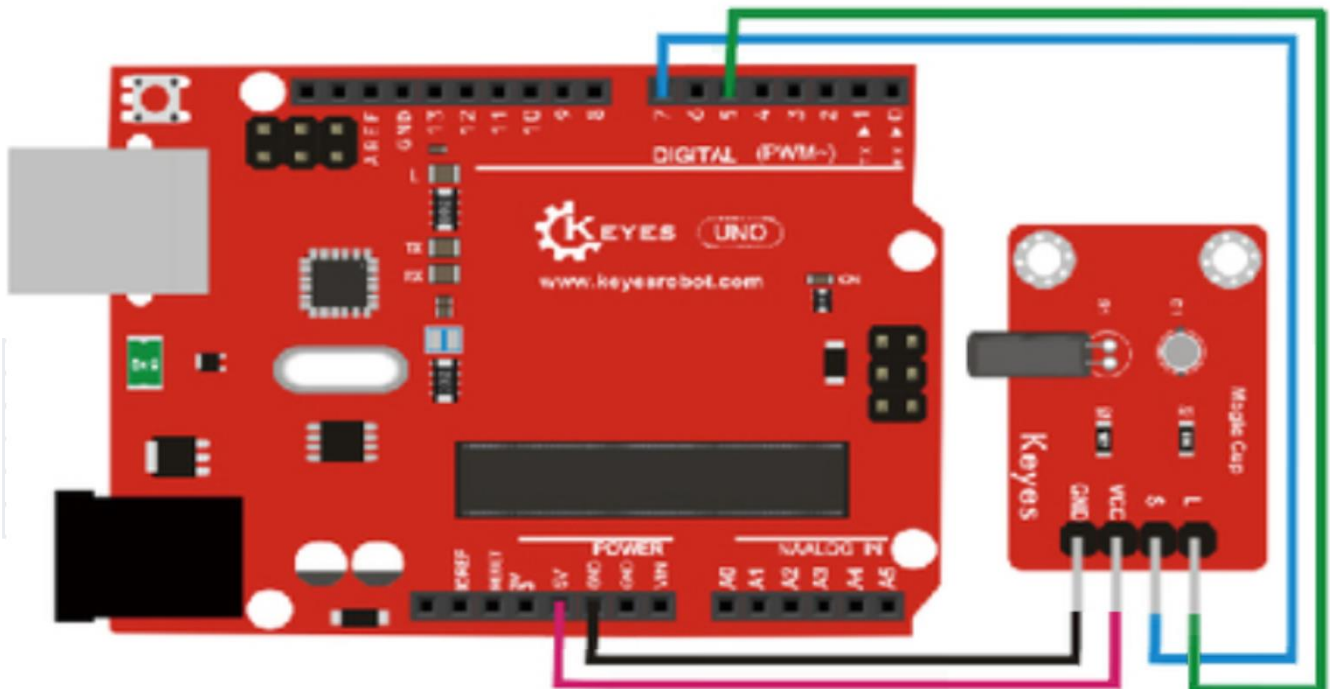
## KE2049 KEYES Magic light cup sensor module

### Parameters:

Working Voltage: 3.3 ~ 5VDC  
Accuracy  $\pm 3.5$ ppm from  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$   
Colour: Red  
Size: 34x22x17mm.



### PINOUT Instruction:



**Sample Code:**

```
int ledPin = 5;           // Connect LED to pin 5
int switcher = 7;        // Connect Tilt sensor to Pin 7

void setup()
{
  pinMode(ledPin, OUTPUT); // Set digital pin 5 to output mode
  pinMode(switcher, INPUT); // Set digital pin 7 to input mode
}
void loop()
{
  if(digitalRead(switcher)==HIGH) //Read sensor value
  {
    digitalWrite(ledPin, HIGH); // Turn on LED when the sensor is tilted
  }
  else
  {
    digitalWrite(ledPin, LOW); // Turn off LED when the sensor is not triggered
  }
}
```

**Result:**

Upload the code to the board. Then tilt the sensor, you will see the led on the sensor is turned on.