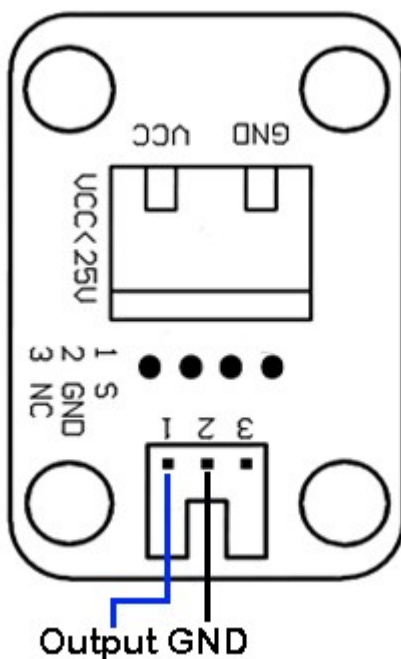# DFRobot

Analog Voltage Divider (SKU: DFR0051)

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The *Voltage Divider* can detect the supply voltage upto 25V. The DFRobot Voltage Divider module is based on resistor divider principle. The voltage detection module allows the input voltage to reduce 5 times. As the Arduino analog input voltage is up to 5V, so voltage detection module's input voltage can not be greater than the 5Vx5 = 25V.
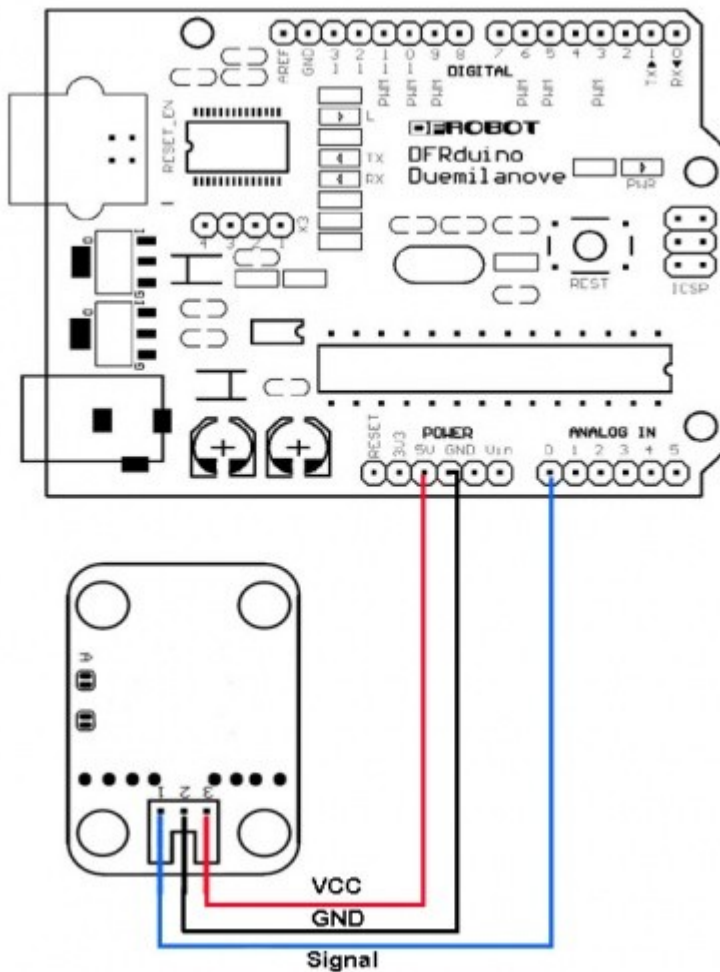
Specification

- Type: Analog
- Input voltage (DC): Maximum 25V, Minimum 0.0245V
- Detects the supply voltage upto 25V
- 3 Pins JST interface module

Pin Definition

Connection Diagram

Analog sensor connection diagram

Sample Code

```
void setup()
{
  Serial.beign(9600);
}
void loop()
{
    int val;
    float temp;
    val=analogRead(0);//This divider module will divide the measured voltage by 5,
the maximum voltage it can measure is 25V.
    temp=val/4.092; //
    val=(int)temp;//
    Serial.println(val);
    delay(100);
}
```