EMG SENSOR

DESCRIPTION

EMG detector is a bridge connects human body and electrical, the sensor gathers small muscle signal then process with 2th amplify and filter, the output signal can be recognized by Arduino. You can add this signal into your control system. Note: The sensor cannot be used for medical purposes.

In standby mode, the output voltage is 1.5V. When detect muscle active, the output signal rise up, the maximum voltage is 3.3V. You can use this sensor in 3.3V or 5V system.

FEATURES

- Grove Compatible
- 3.5mm Connector
- 6 Disposable Surface Electrodes
- Power supply voltage: 3.3V-5V
- 1000mm Cable Leads
- No additional power supply

Move

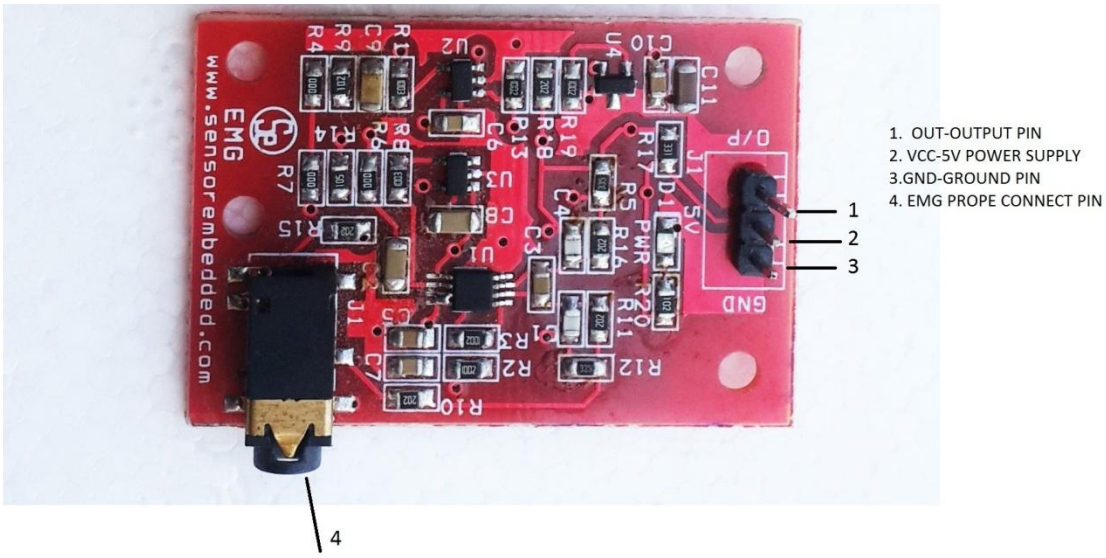
When finish downloading demo code, it'll take about 5s to initialize, you should keep static when initializing.

You can see that when initializing, the Led Bar will go form level 10 to level 0. When led bar all off, you can move now.

When you are moving, you can find that the level of Led Bar will change.

FIXING OF PROBE IN HAND WIRE COLOR CODE SHOULD BE FOLLOWED RED, BLACK, WHITE

OUR EMG



CONNECTION

1. Connect probe then power on supply to EMG Sensor
2. When connect the power supply “LED will glow”
3. Receive Data out from EMG sensor
4. Connect this data to analog pin of microcontroller