

Life-Band Wiring Document

For the full image of the wiring diagram, please refer back to the platform

In the following legend, all colors are the same for wires going to the same pin on the microprocessor, but not necessarily the "original" pin on the sensor/external pin itself.

Legend

Red - 5V

Murky Green - GND

Purple - A4 (SDA)

Light Blue - A5 (SCL)

Black - 3V3

Pink - TX

Light Green - RX

Orange - VIN

Next, written below are the connections for each separate device depicted in the image, written in the format of "Pin on External Part - Pin on Microprocessor".

Accelerometer 1 (Seizure)

VCC - 5V

GND - GND

SDA - A4 (SDA)

SCL - A5 (SCL)

ADO - 3V3

Accelerometer 2 (Sleepwalking)

VCC - 5V

GND - GND

SDA - A4 (SDA)

SCL - A5 (SCL)

Heart Rate/Blood Oxygen Sensor

VIN - 3V3

GND - GND

SDA - A4 (SDA)

SCL - A5 (SCL)

HC-05 Bluetooth Module

VCC - 5V

GND - GND

RX - TX

TX - RX

Piezoelectric Buzzer

VCC - 5V

GND - GND

9V Duracell Battery

VCC - VIN

GND - GND