

Arduino Uno Redboard

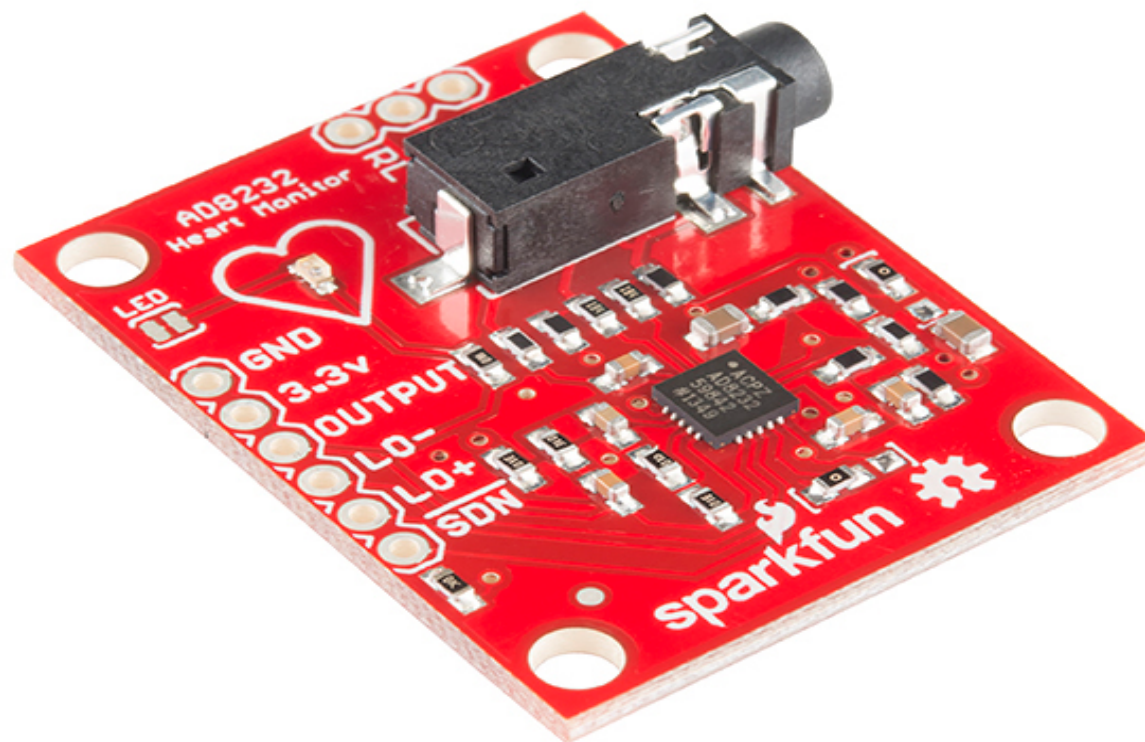
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What is a Redboard?

- Computational motherboard
- Programming tool
- Similar to Raspberry Pi
- Plugs into other devices such as motors, light fixtures, sensors, displays, etc.
- <https://learn.sparkfun.com/tutorials/redboard-vs-uno>



Ad8232 Heart Monitor



What does it do?

The AD823 heart monitor tracks the electrical activity in the heart

Features:

Operating Voltage - 3.3V

LED Indicator

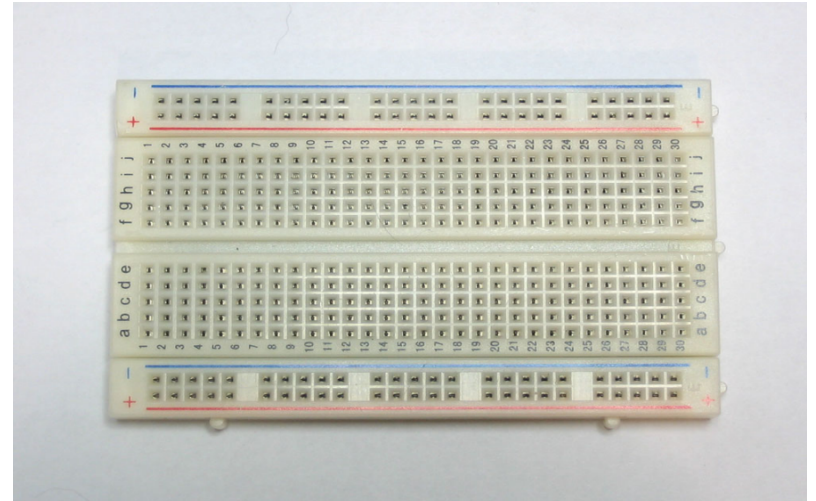
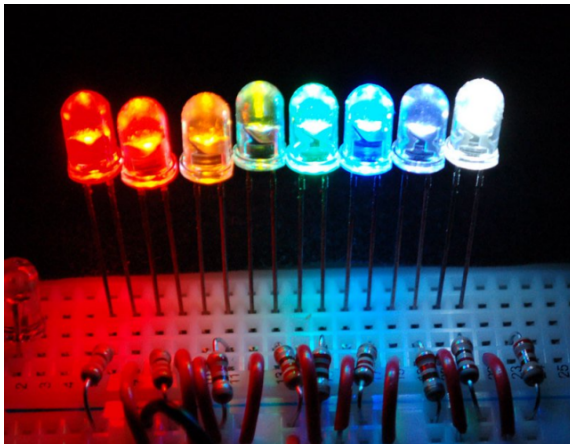
3.5mm Jack for Biomedical Pad Connection

Connects to ECG

LEDs and Breadboards

What are LEDs?

LEDs are light emitting diodes and two LED semiconductor light source. When a suitable voltage is applied to the LEDs, it releases in the form of photons when the electrons are able to recombine with the electron holes within the device.



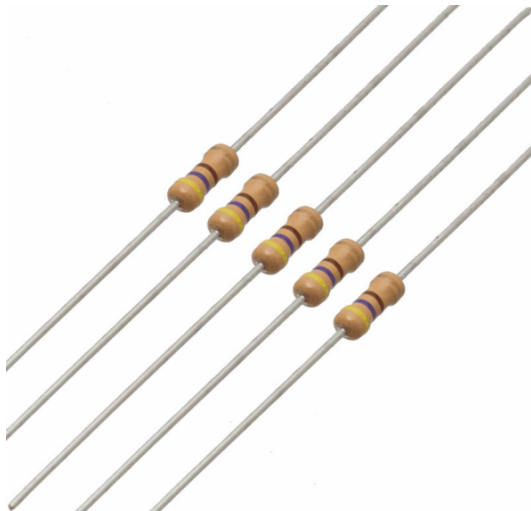
What is a breadboard?

A breadboard is a temporary circuit which is a construction base for prototyping of electronics. A breadboard is an array of conductive metal clips.

Resistors

.What are they?

- Electrical devices that manage the flow of current through a circuit
- We would use them to manage the flow of electricity



Jumper Wires

What are they?

- Electrical wire or group in a cable with a connector or pin at each end
- We would use them to interconnect the components of a breadboard

