

How To Talk To Sensors

Gilles Callebaut

My Goal

Just enough to get you started and interested

Answer the question: How to get data from a sensor to me!













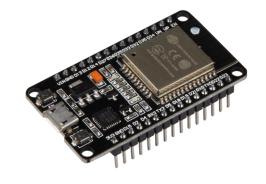
Before we start...

VSCode + PlatformIO plugin and Arduino IDE needs to be installed.

Each group gets a box of cool stuff ^^
you are now responsible for the content.

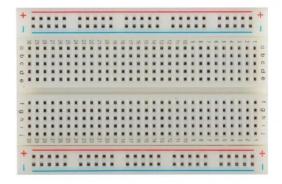
• If you require another sensor (besides the default in the box), let us know. All sensors are summarized at github.com/creatievemakers/HowToTalkToSensors. Or if you have a create idea, check tinytronics.nl and maybe we can order it.





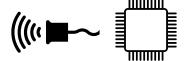


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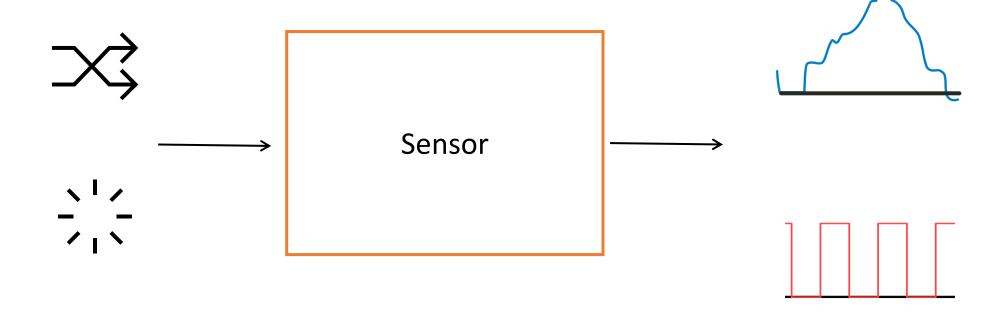




Before we start...

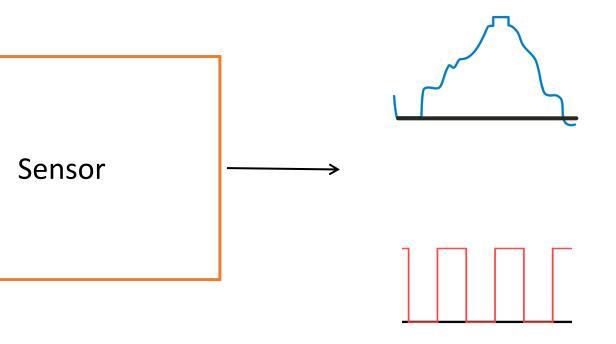


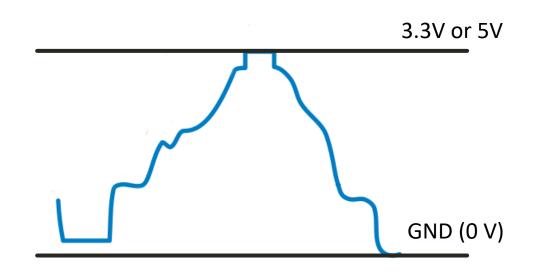
What is a sensor?

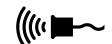




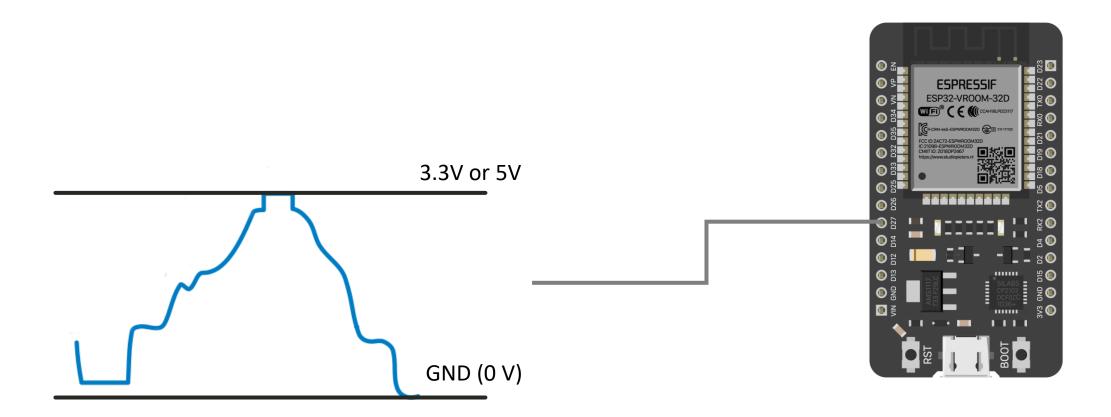
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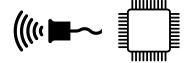


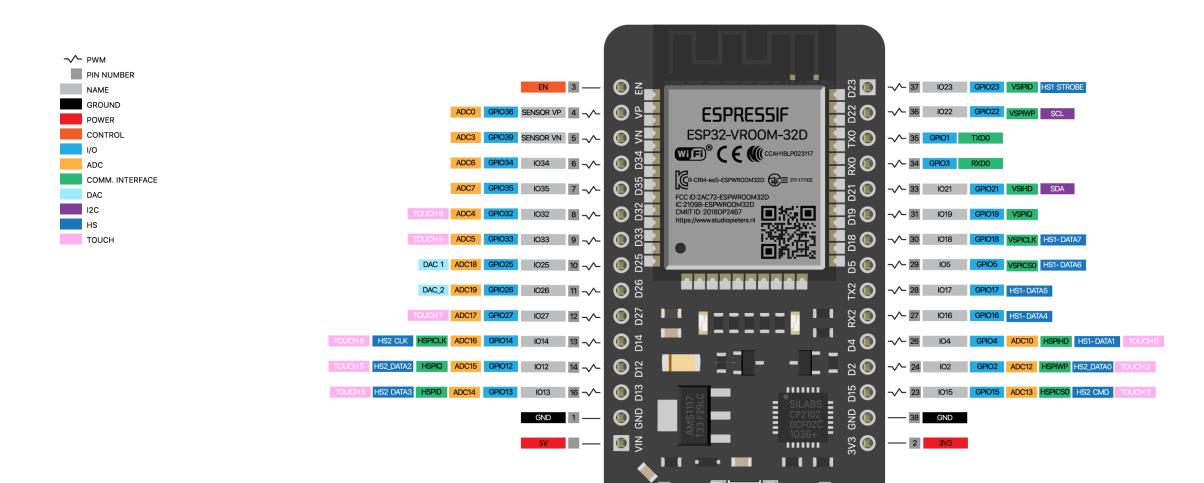


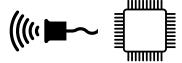


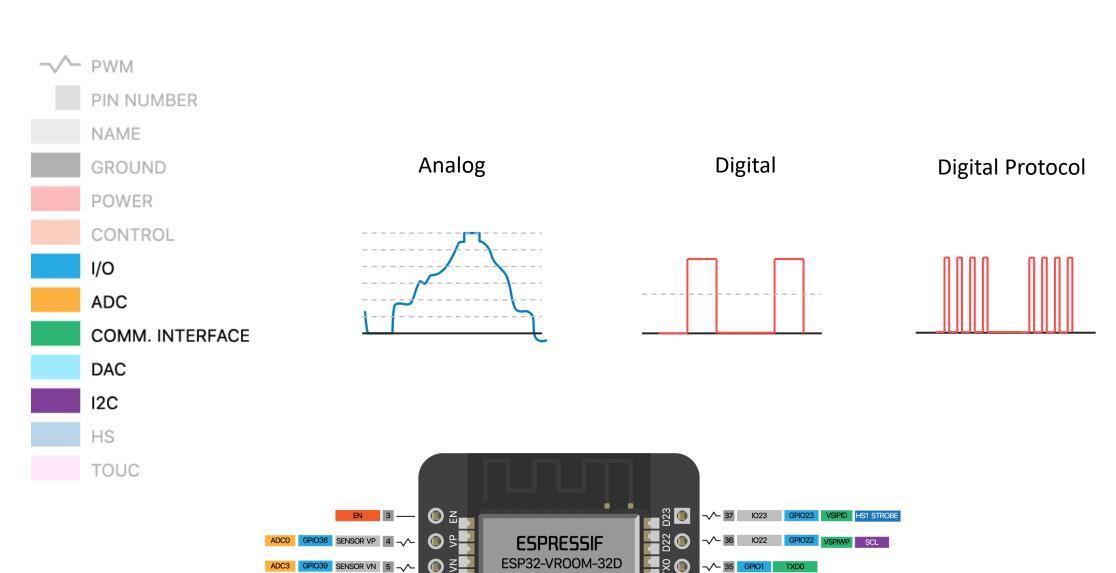
Sensor to microcontroller



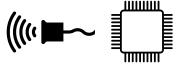


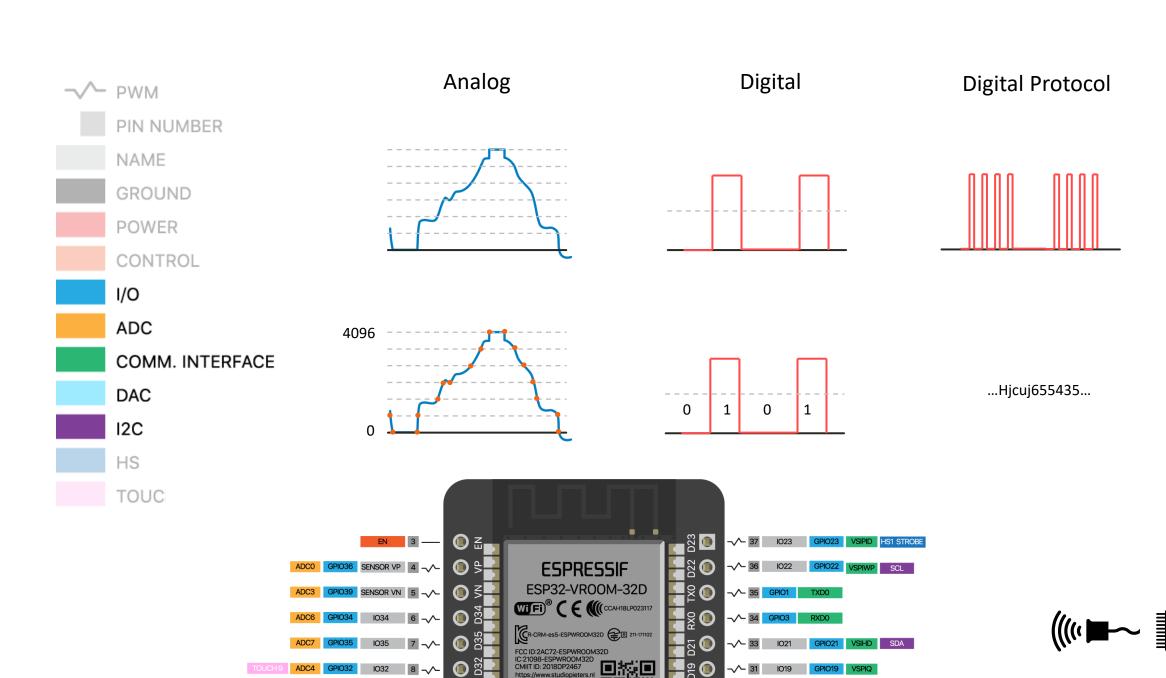






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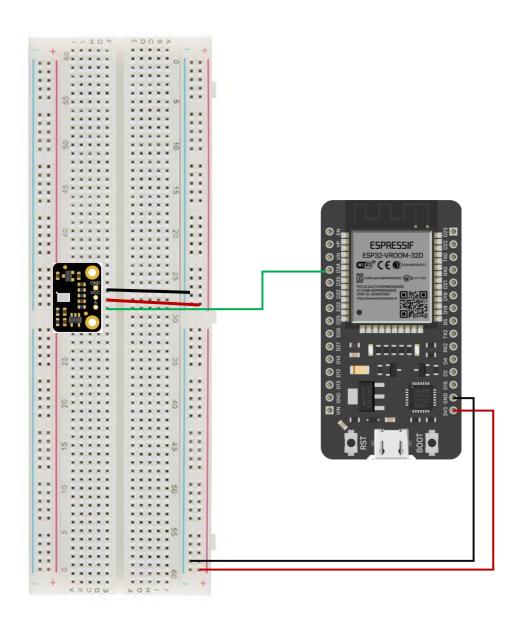


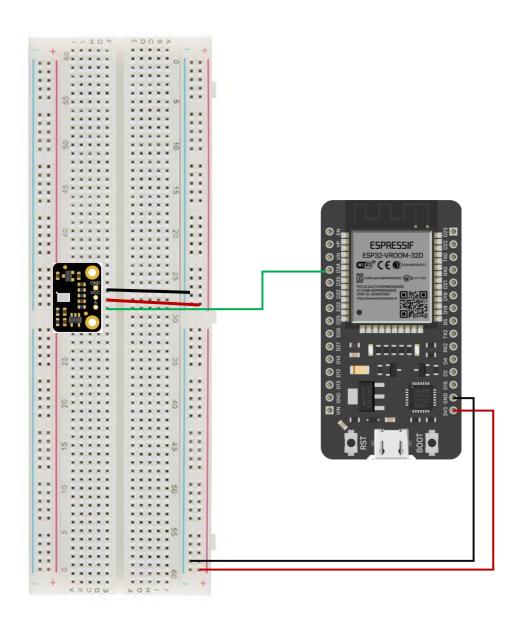


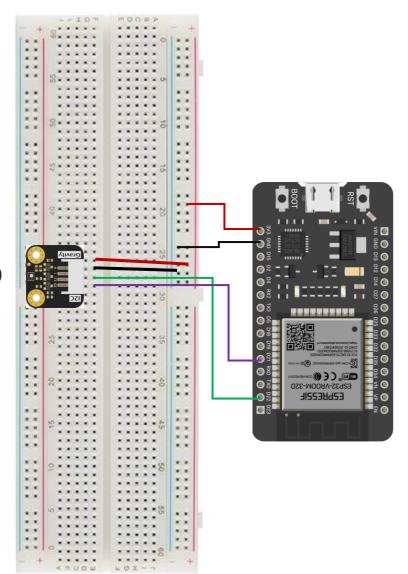


Time to get our hands dirty!

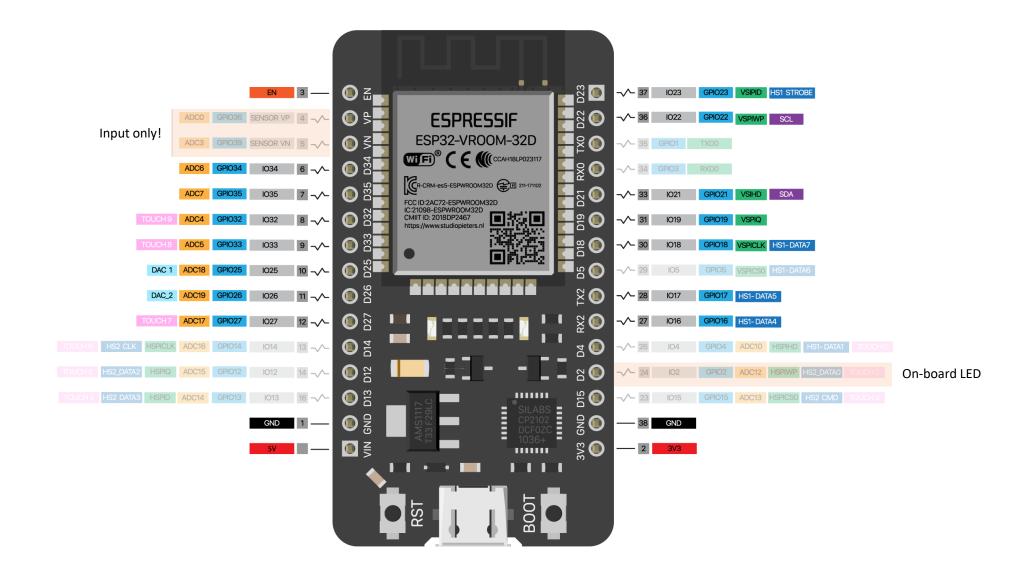








12C Address: 0x59





Wireless Communication Protocols @ESP32

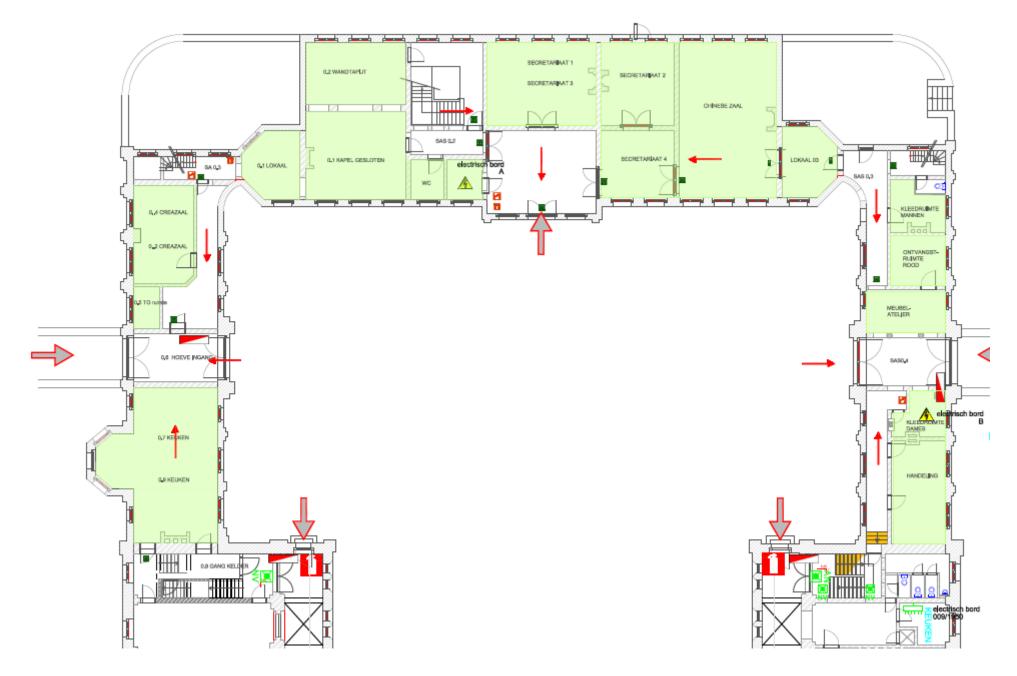




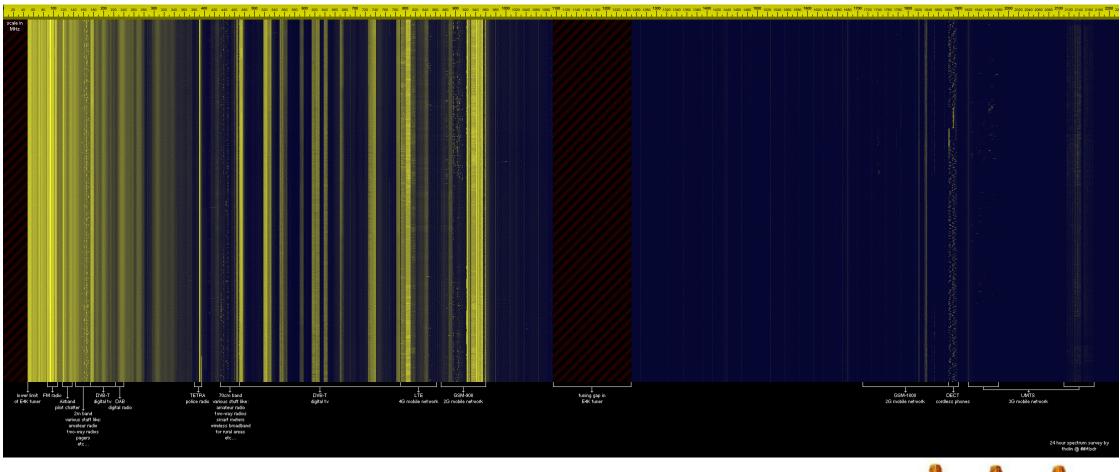




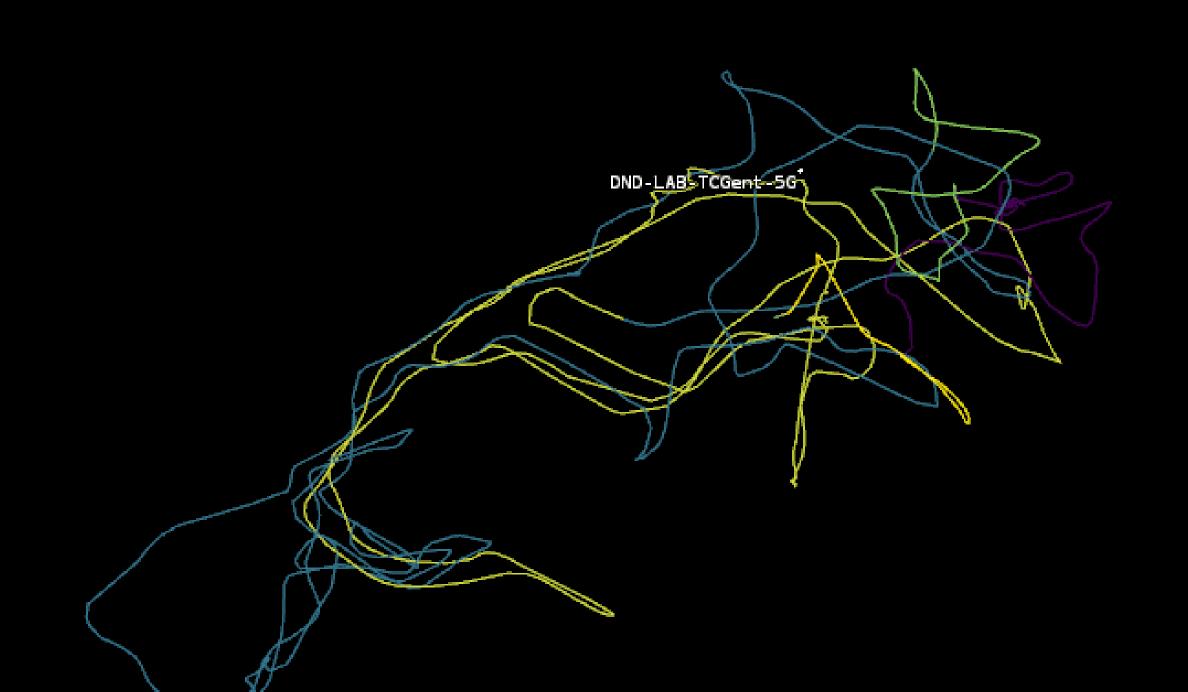


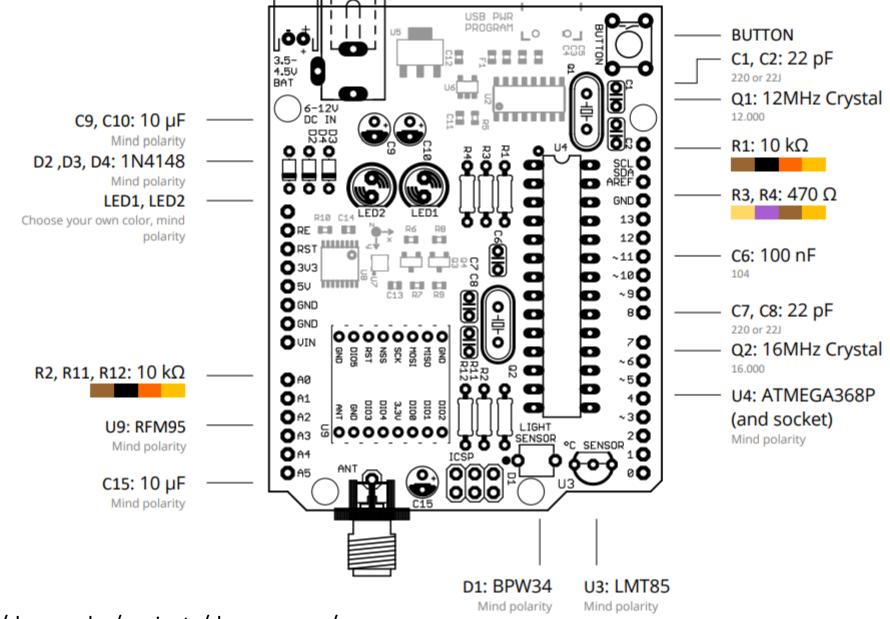


https://github.com/creatievemakers/ble-scan-adv-esp32









https://dramco.be/projects/dramco-uno/

