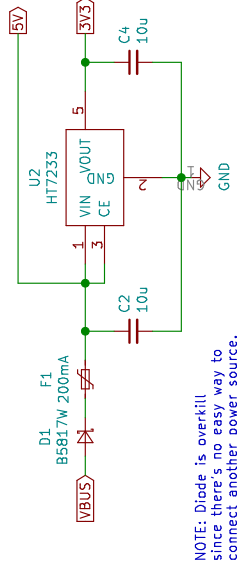
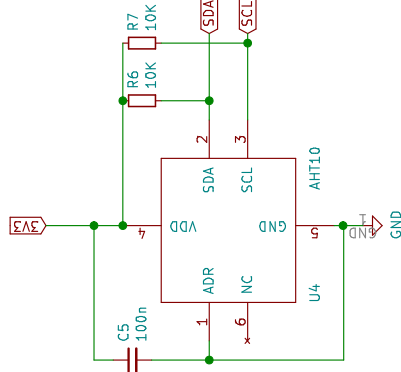


Power

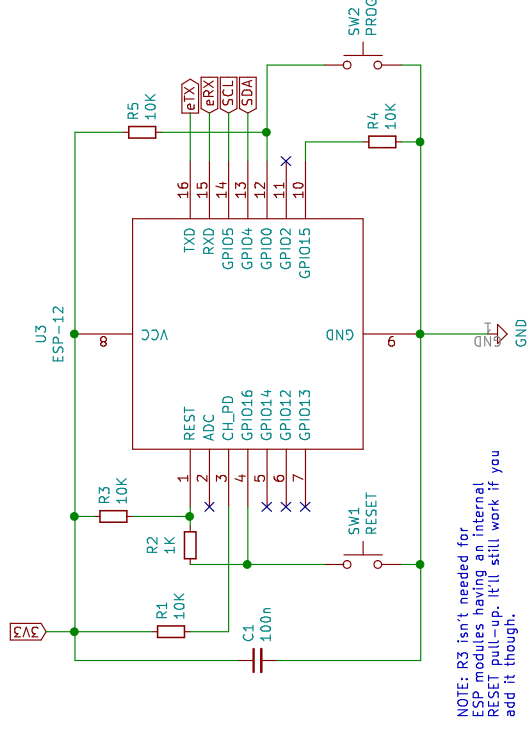


NOTE: Diode is overkill since there's no easy way to connect another power source.

Temperature Sensor

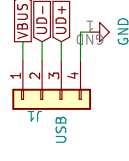


ESP-8266



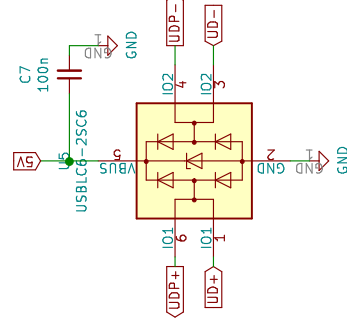
NOTE: R3 isn't needed for ESP modules having an internal RESET pull-up. It'll still work if you add it though.

USB Connector



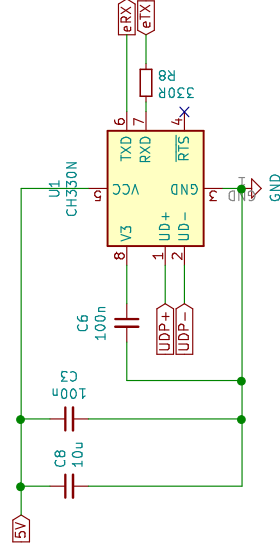
ESD TVS Diode

NOTE: This isn't strictly critical for this application, but it's cheap insurance if you have the part handy.



USB Controller

NOTE: Apparently WCH chips have on-board USB termination resistors.



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