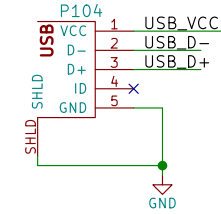
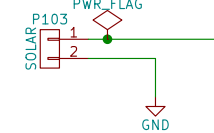


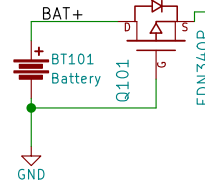
USB Charging/Serial



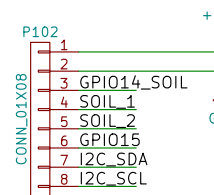
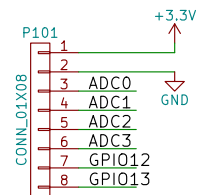
Solar Panel VIN (7VDC Max)



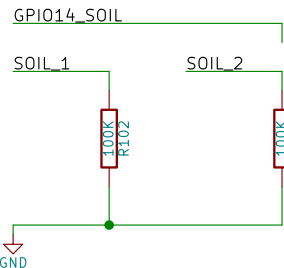
18340 Cell Holder (3.7V)



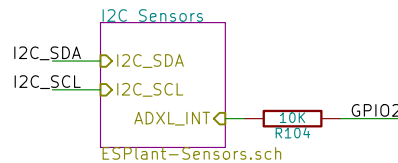
Screw Terminals for External Connections



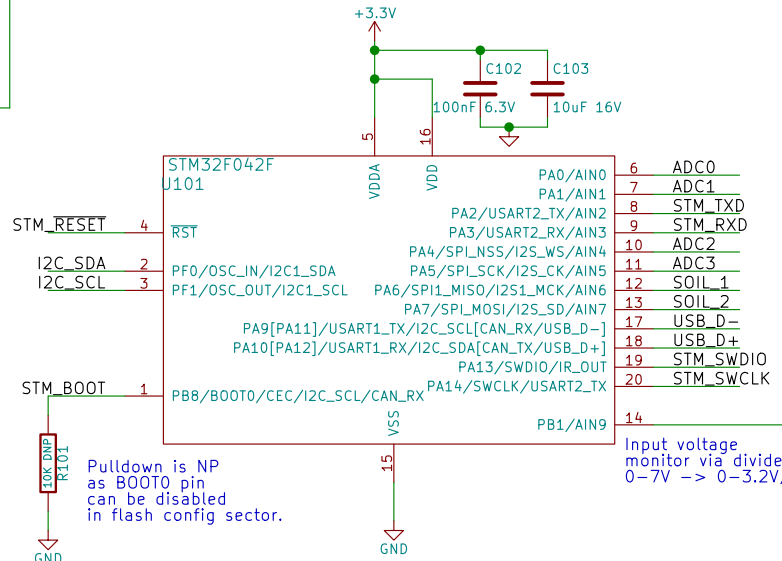
Soil Moisture Sensors



GPIO14_SOIL used to pulse current through soil moisture sensors
Wire GPIO14 to one side of the sensor, SOIL1/SOIL2 to the other.



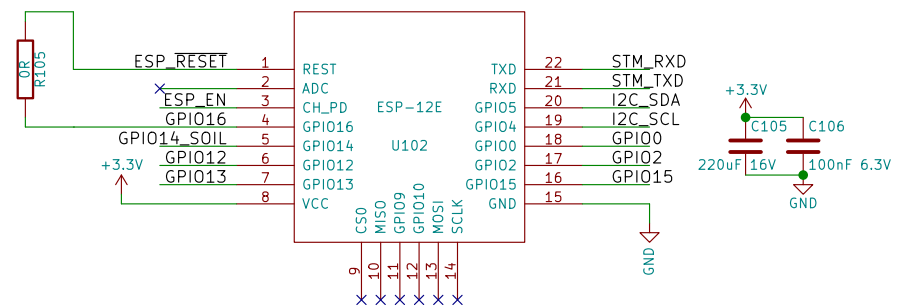
STM32 USB/Serial & ADC Combo



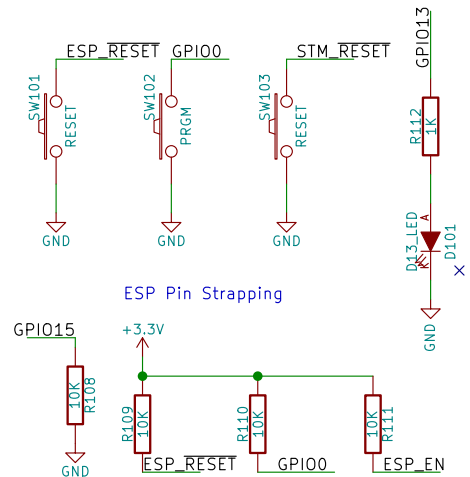
Pulldown is NP as BOOT0 pin can be disabled in flash config sector.

Input voltage monitor via divider 0-7V -> 0-3.2V.

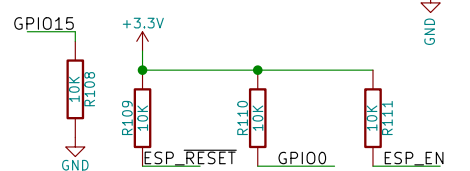
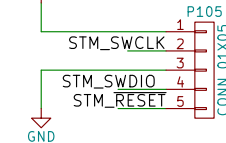
ESP8266 WiFi Microcontroller



Buttons & LEDs



ESP Pin Strapping



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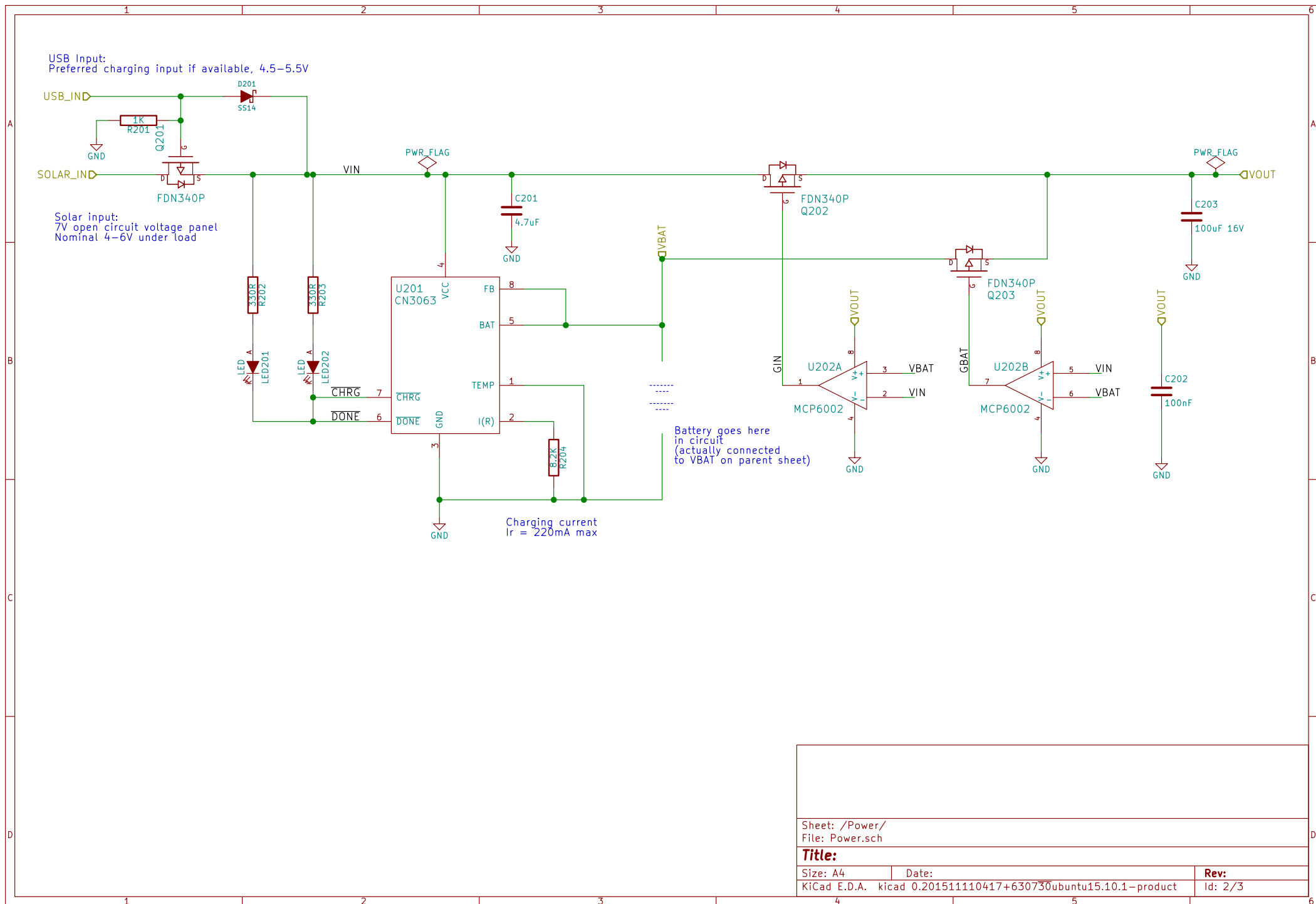
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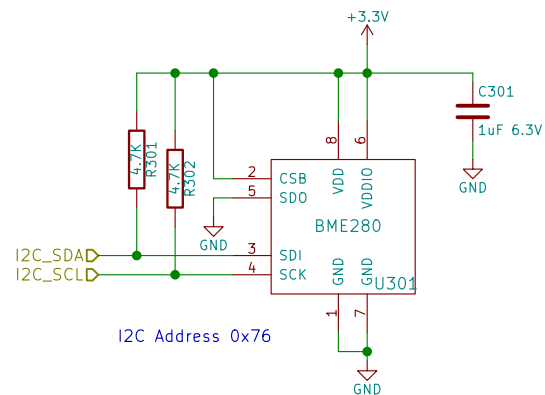
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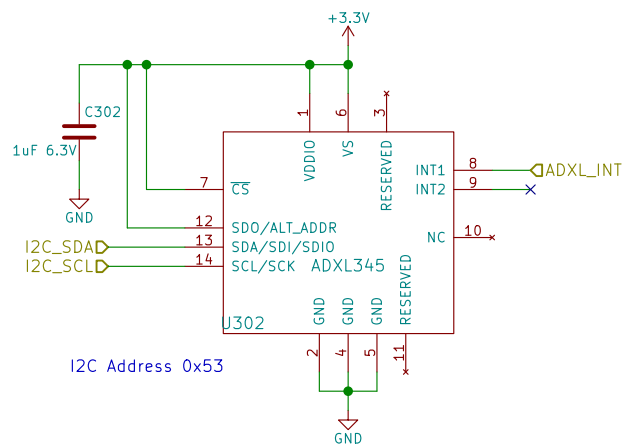
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BME280 Temp/Humidity/Pressure



ADXL345 Fall Over Sensor / Accelerometer



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File: ESPlant-Sensors.sch

Title:

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Rev: 3/3