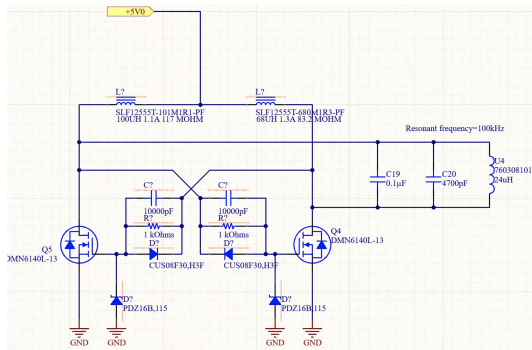


## Projects

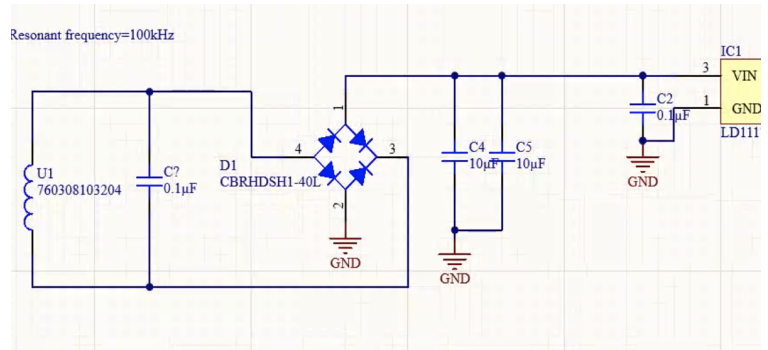
Here are some examples of my design work. Please visit my website, [\*\*emmablatt.com\*\*](http://emmablatt.com), for process work (ideation, calculations, prototyping, debugging) and full schematics.

## Inductive Charger, Winter 2020 (WIP)

## Wireless transmitter/receiver link with resonant inductive coupling and offline power conversion



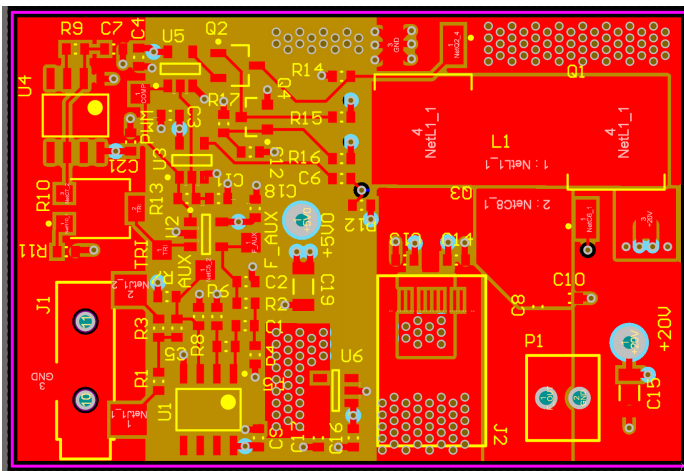
Transmit Coil



Receive Coil

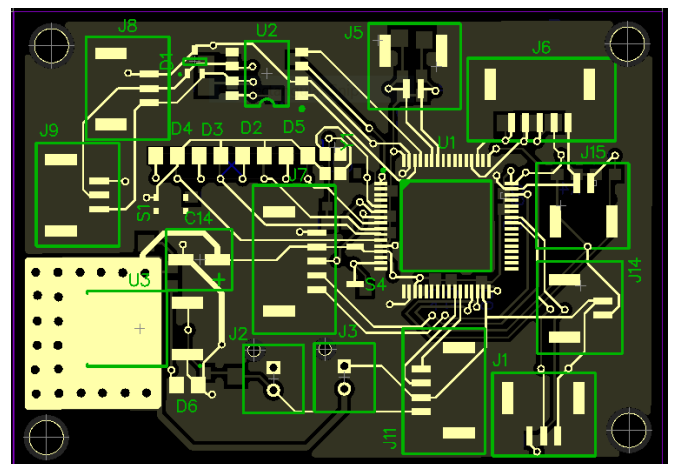
## Class-D Amplifier, Winter 2019

## 18W amplifier with discrete MOSFET gate-driver



## Mars Rover Control Board, Fall 2019

## Interface motors and actuators with I2C + CAN



## Pressure-sensitive LED Array, Spring 2018

### Force-sensitive resistor and LED array, with LED strobe functionality (555 timer)

