

0.1 Timebox 3

0.1.1 Outline for this timebox

1. Design PCB for the Voltage & Current measurement circuit
2. Design circuit for motor drivers
3. Inspect Regulator block
4. Design PWM circuit
5. Implement logger
6. Implement Relay server

0.1.2 Development Plan

Jacob will be in charge of the first 4 steps, designing the circuits and the PCB, and inspect the regulator, to see exactly what is needed.

Morten and Henrik will be developing the software for the logger, and Morten will also finish the development of the Relay Server.

0.1.3 Results

0.1.3.1 Design PCB for the Voltage & Current measurement circuit (Jacob)

0.1.3.2 Design circuit for motor drivers (Jacob)

0.1.3.3 Inspect Regulator block (Jacob)

0.1.3.4 Design PWM circuit (Jacob)

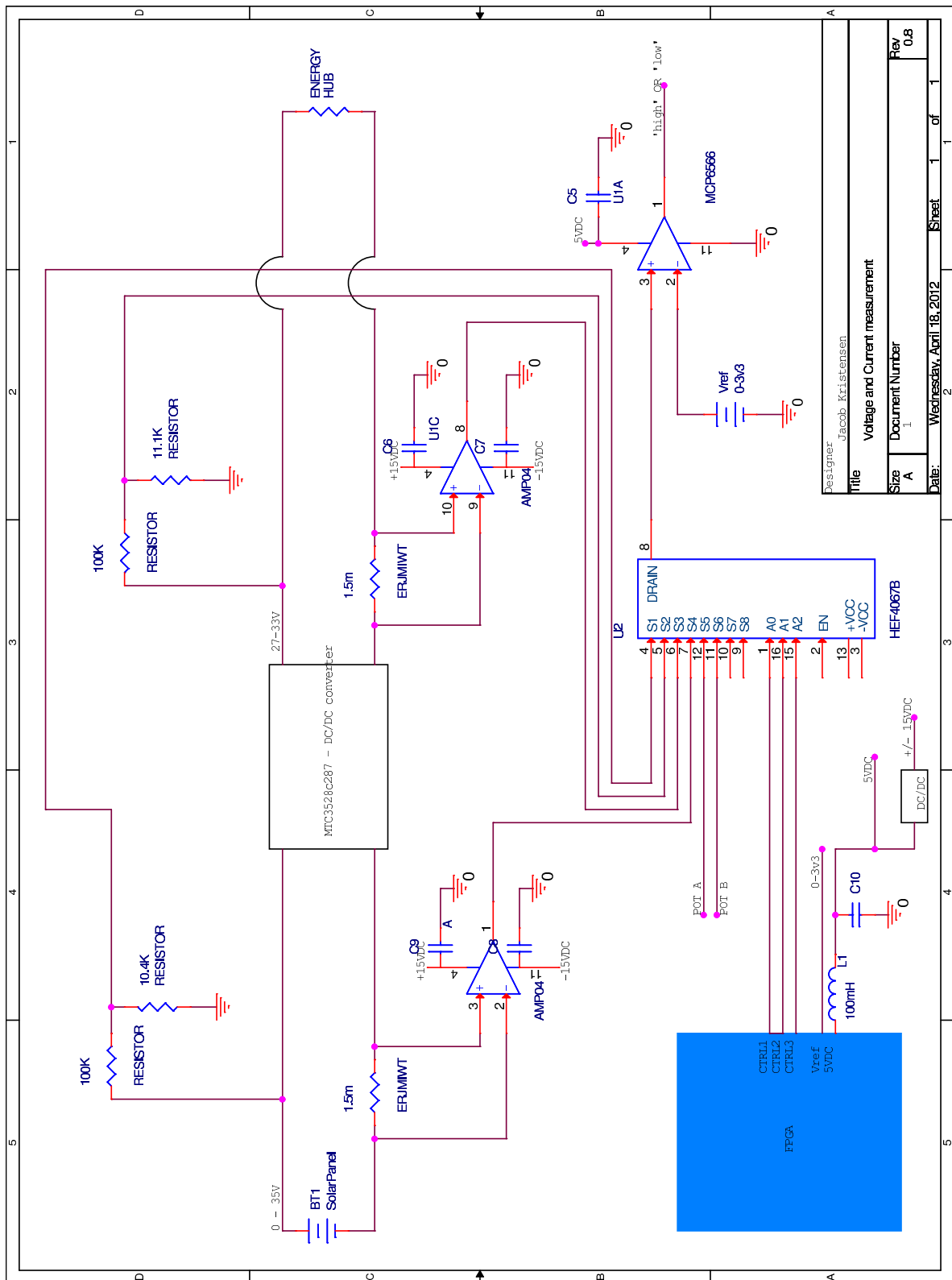


Figure 1: Schematic - Voltage & Current Measurement

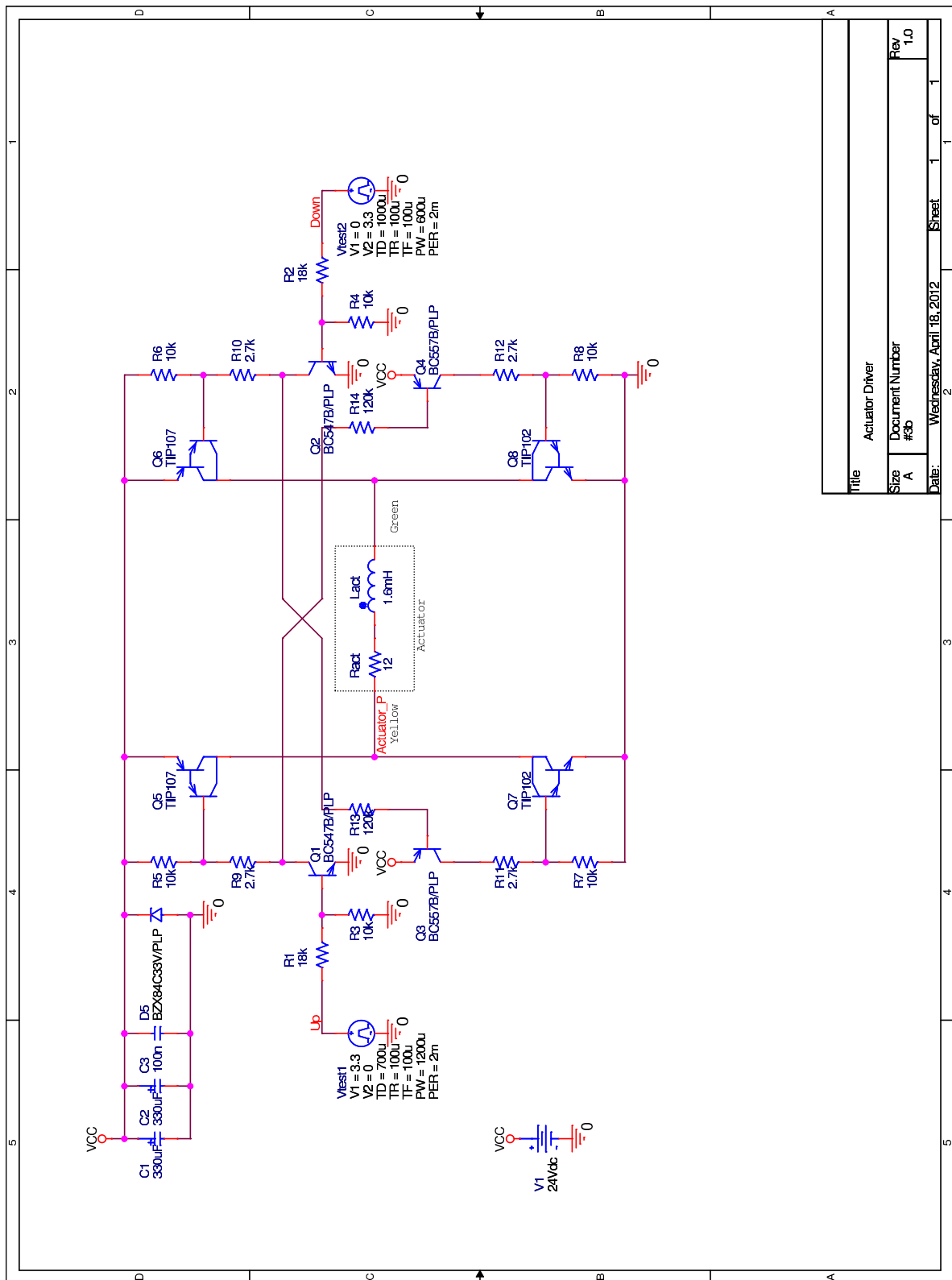


Figure 2: Schematic - H-Bridge Motor control

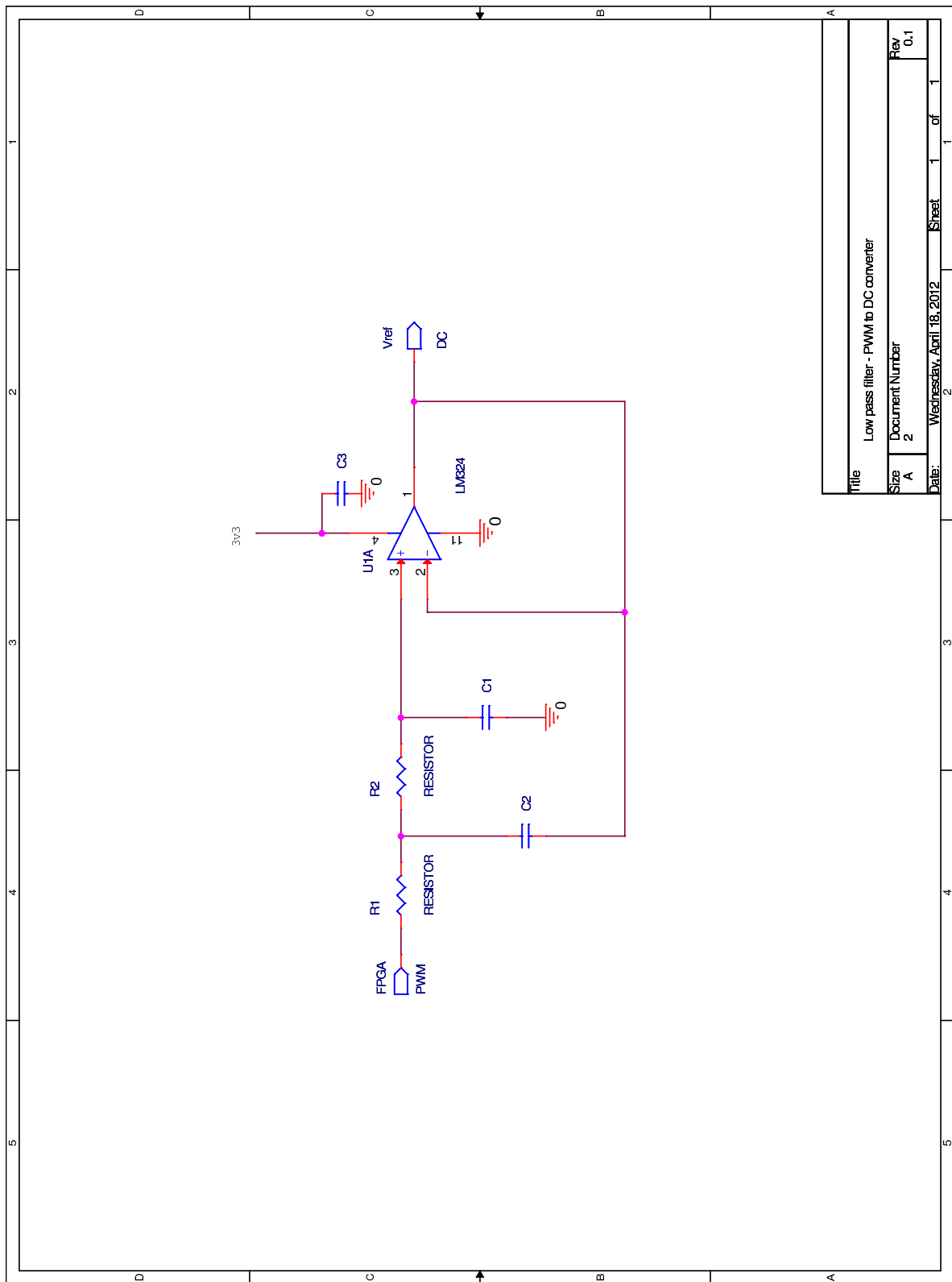


Figure 3: Schematic - PWM to DC converter