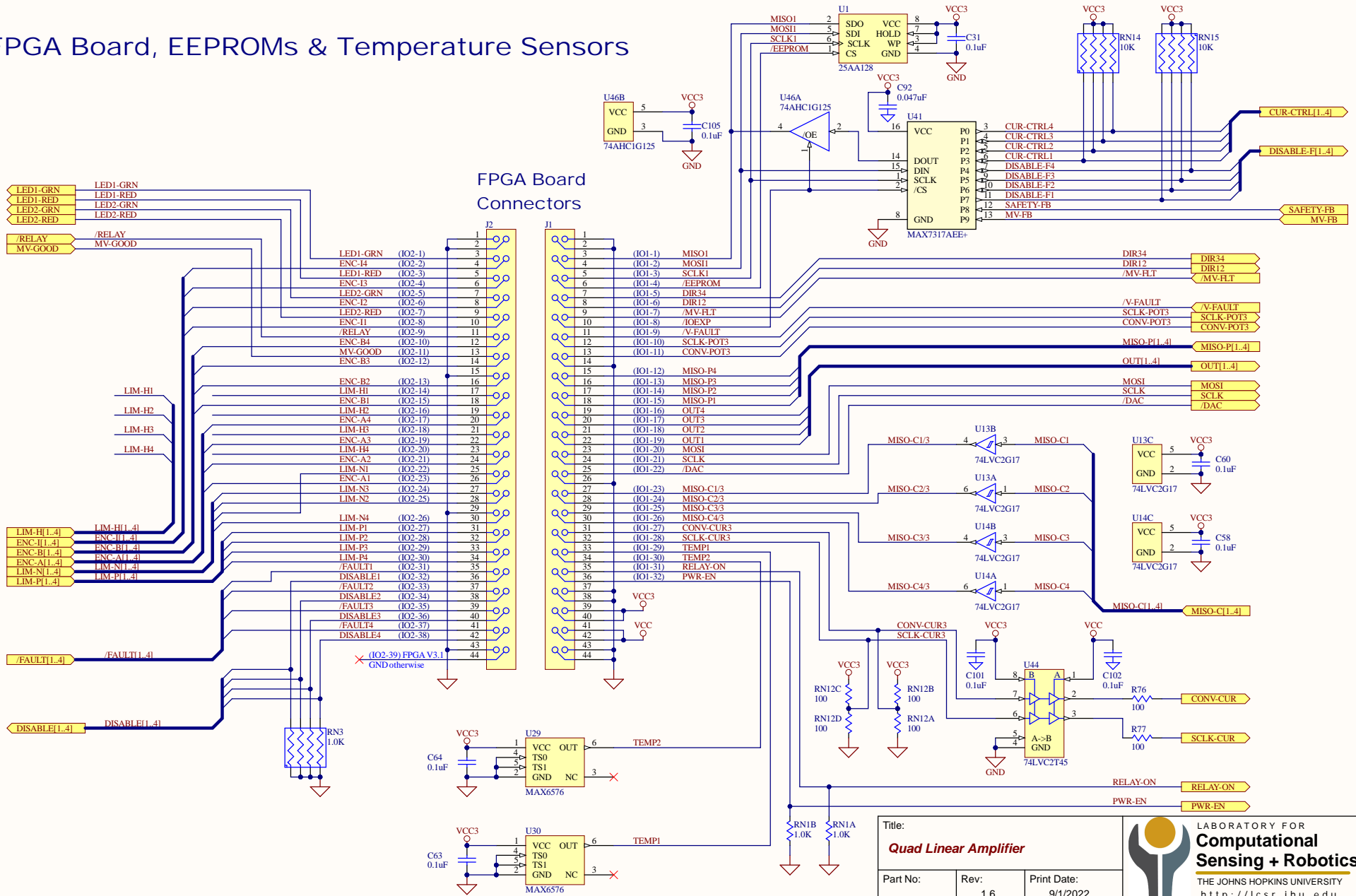
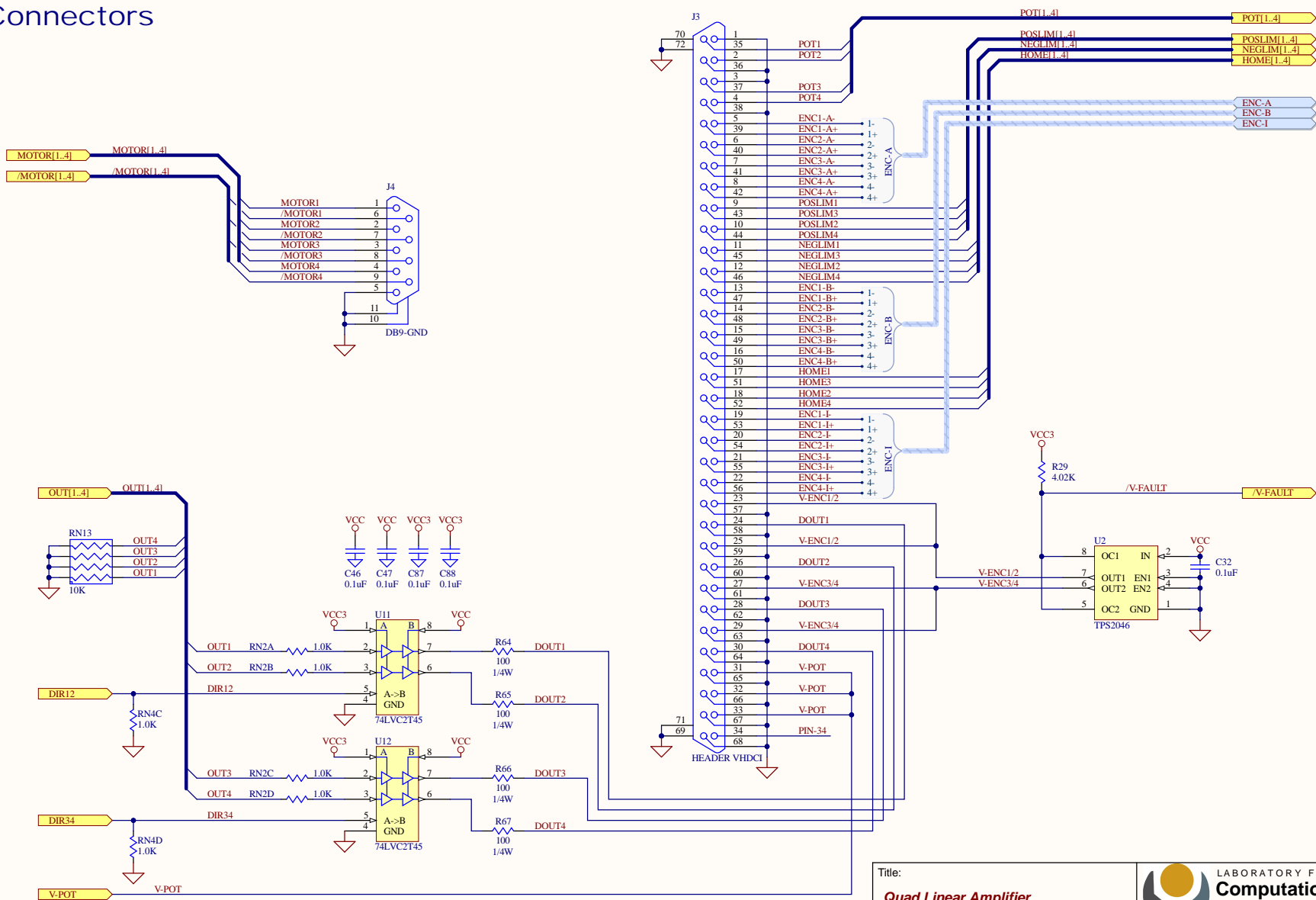


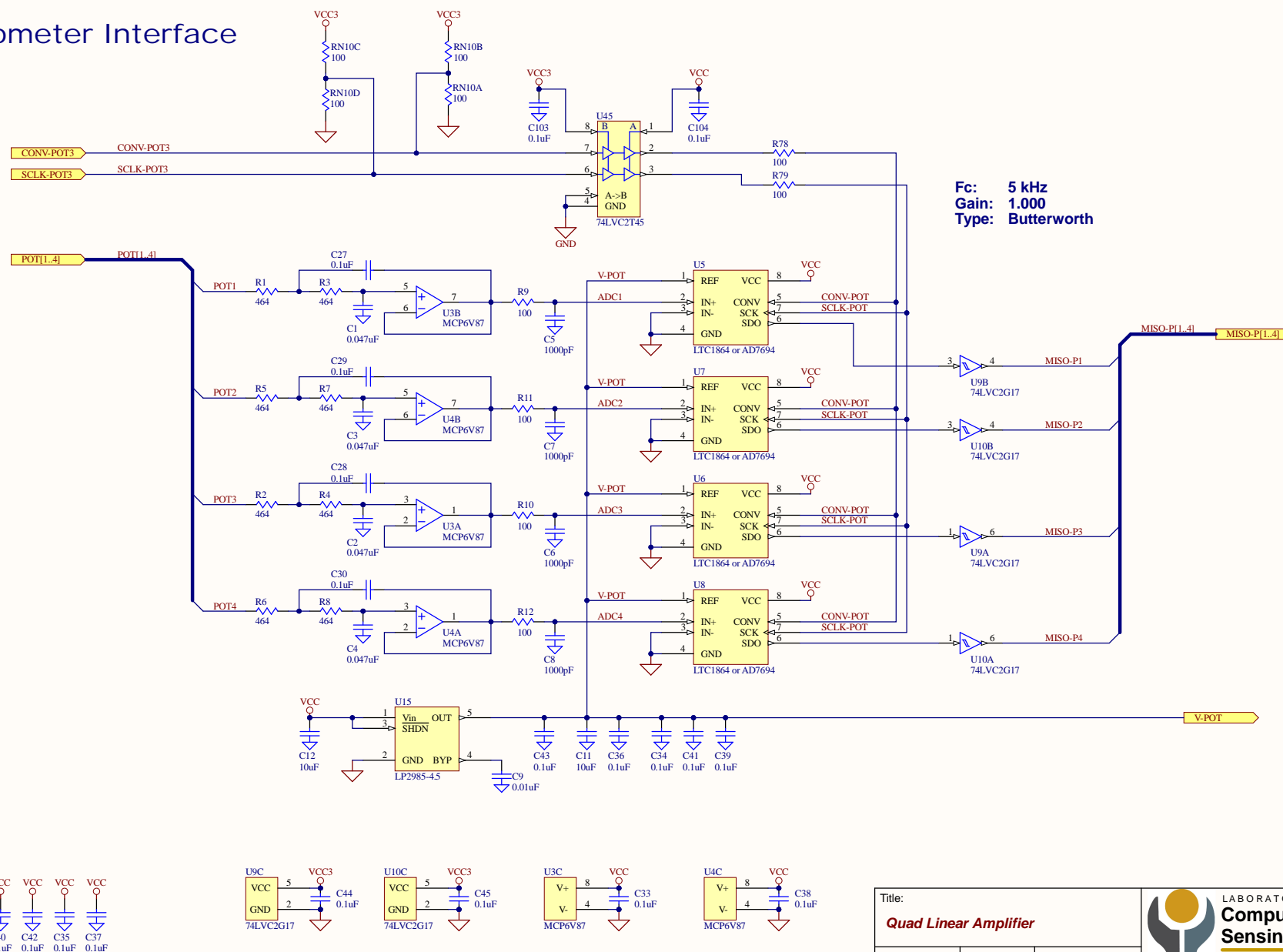
FPGA Board, EEPROMs & Temperature Sensors



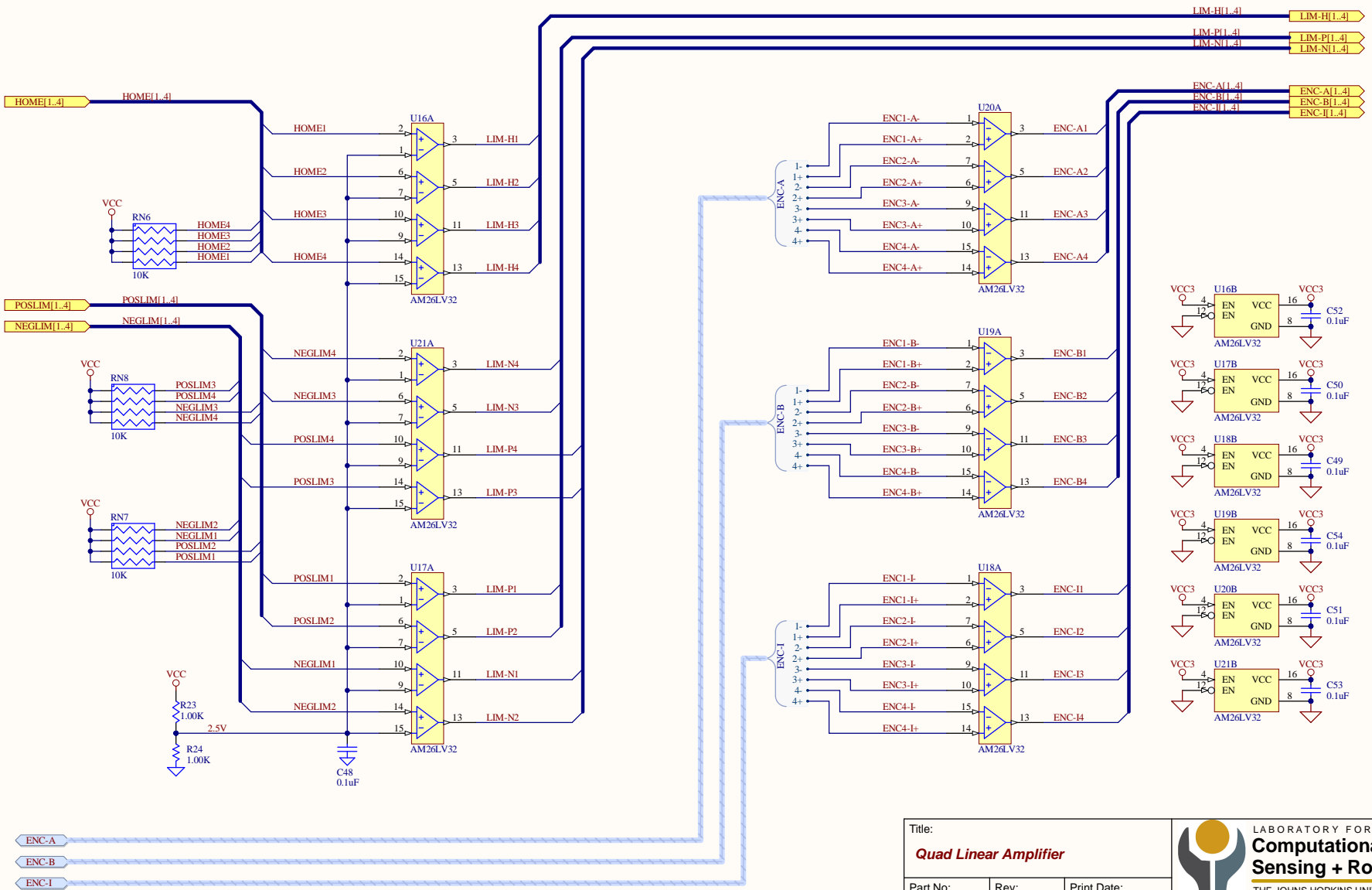
Robot Connectors



Potentiometer Interface



Encoder & Limit Switch Interface



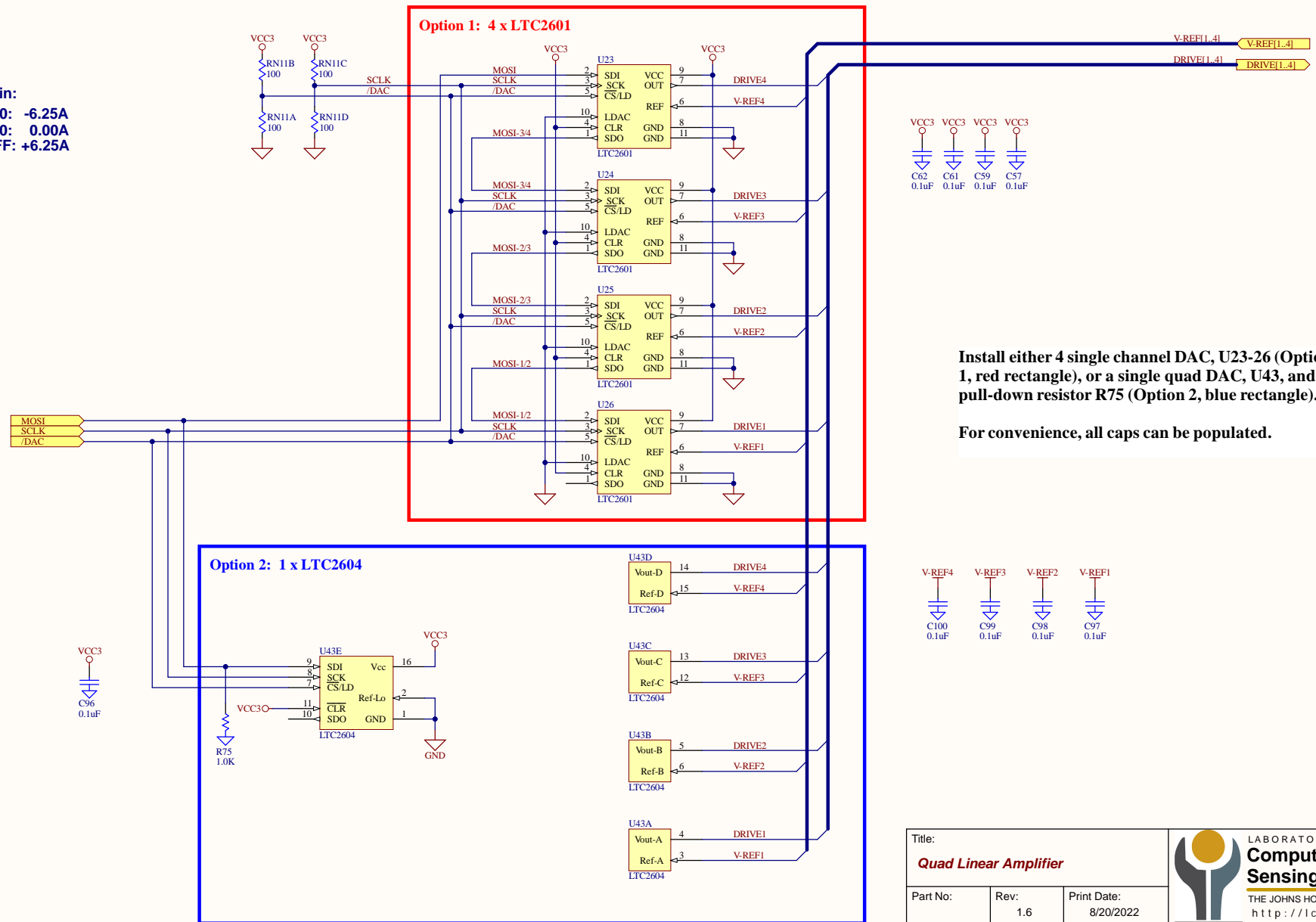
Drive DACs

Drive Gain:

0x0000: -6.25A

0x8000: 0.00A

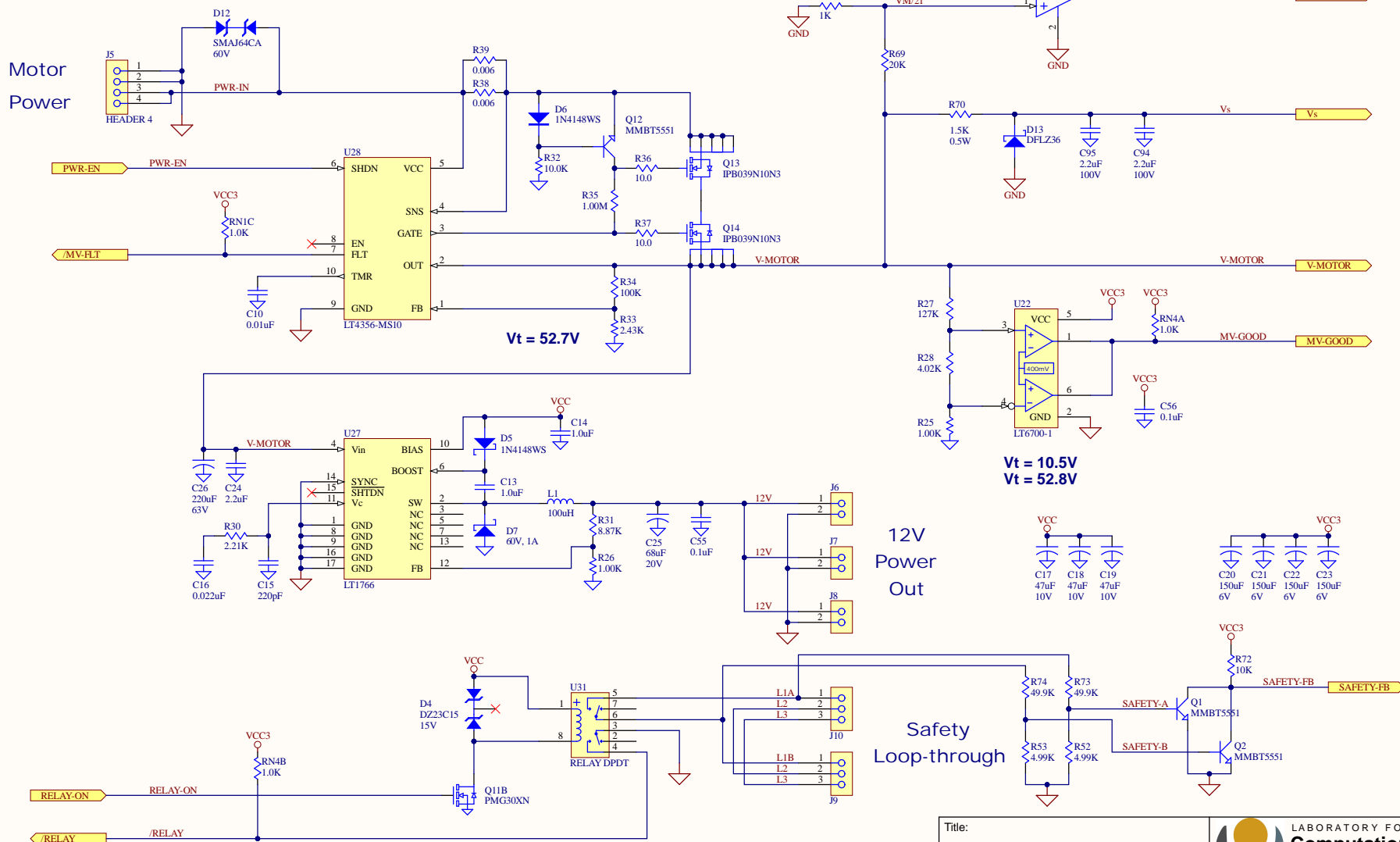
0xFFFF: +6.25A



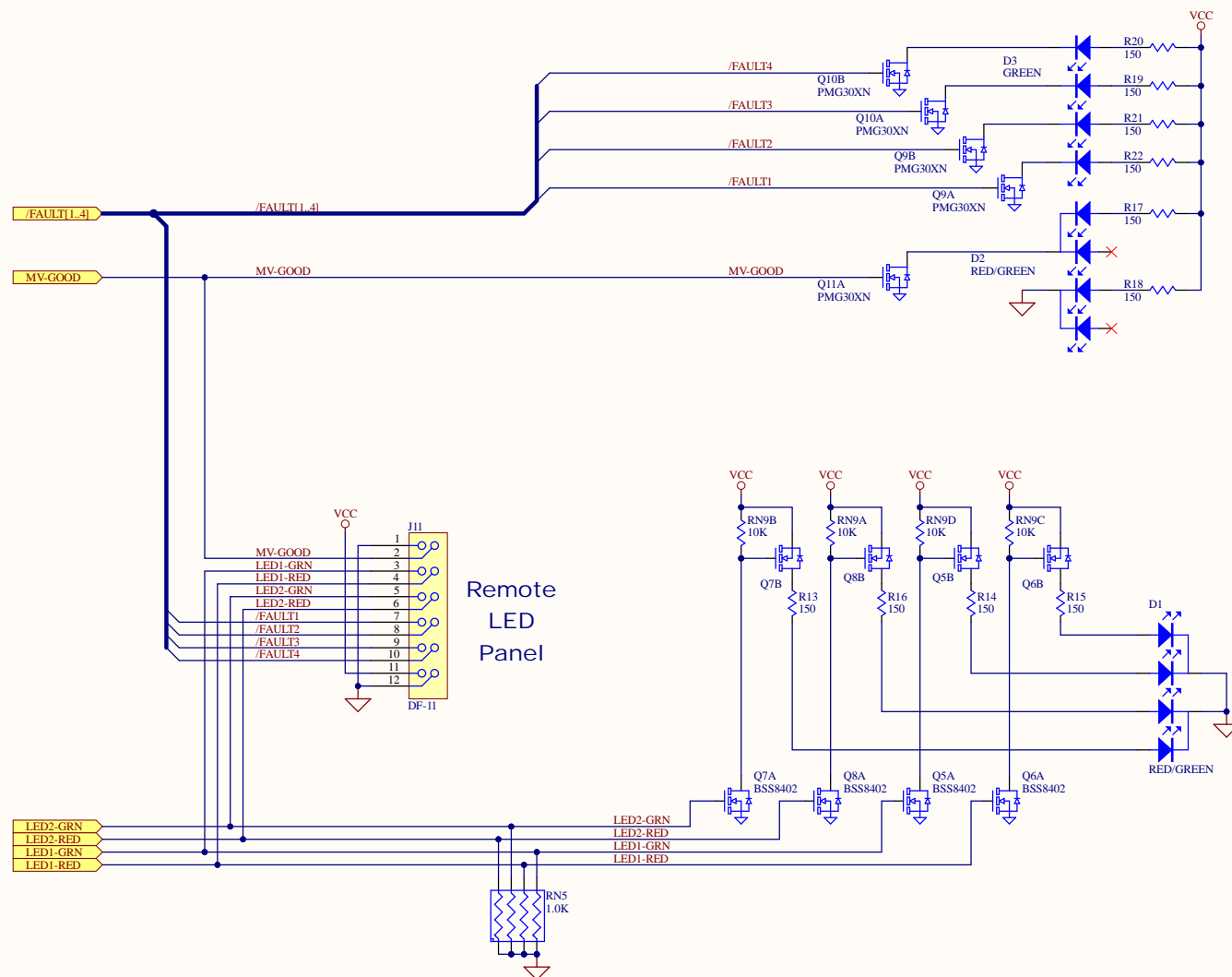
Install either 4 single channel DAC, U23-26 (Option 1, red rectangle), or a single quad DAC, U43, and pull-down resistor R75 (Option 2, blue rectangle).

For convenience, all caps can be populated.

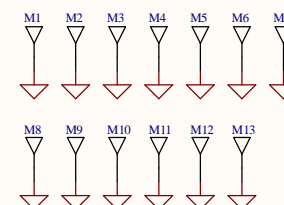
Power Connectors, Power Supplies



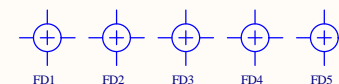
LEDs



Mounting Holes



Fiducials



Motor Driver

Current Control (CUR-CTRL):

Gain: 5 A/V

0x0000: -6.25A

0x8000: 0.00A

0xFFFF: +6.25A

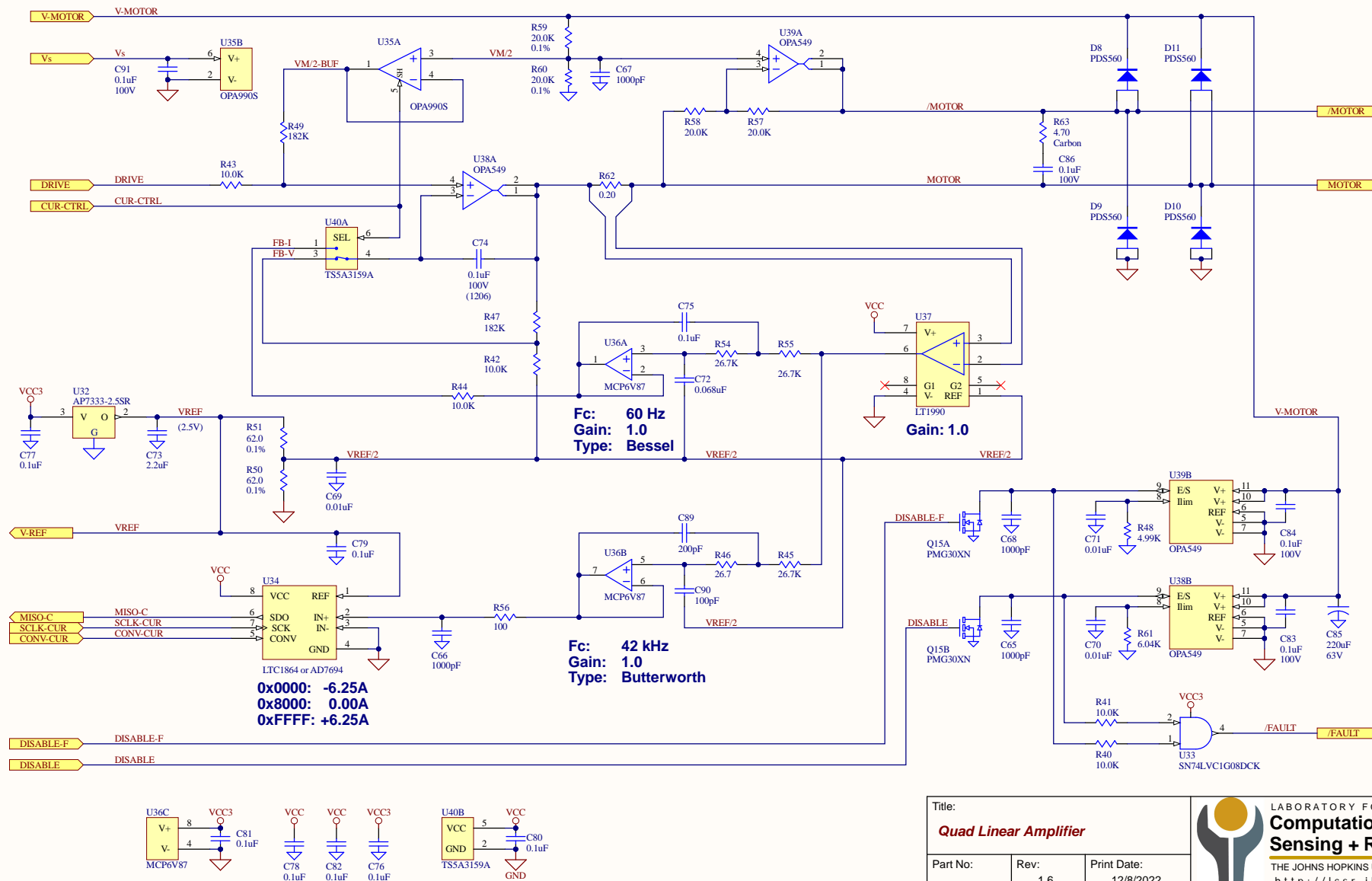
Voltage Control (/CUR-CTRL):

Gain: 36.4 V/V

0x0000: -45.5V

```
0x8000: 0.0V
```

0xFFFF: +45.5V



Title: ***Quad Linear Amplifier***

Part No:

Rev:

Print Date:	12/8/2022
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File Name: S09.SchDoc



LABORATORY FOR
**Computational
Sensing + Robotics**
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Drawing title:
Quad Linear Amplifier

Sheet:	Rev:
9	1.6

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