

## General Conventions:

Signal names beginning with a '/' are active low

Unless Specified Otherwise:

All resistors are 1% metal film, 1/10W, in 0603 package

All non-polarized capacitors are ceramic, in 0603 package

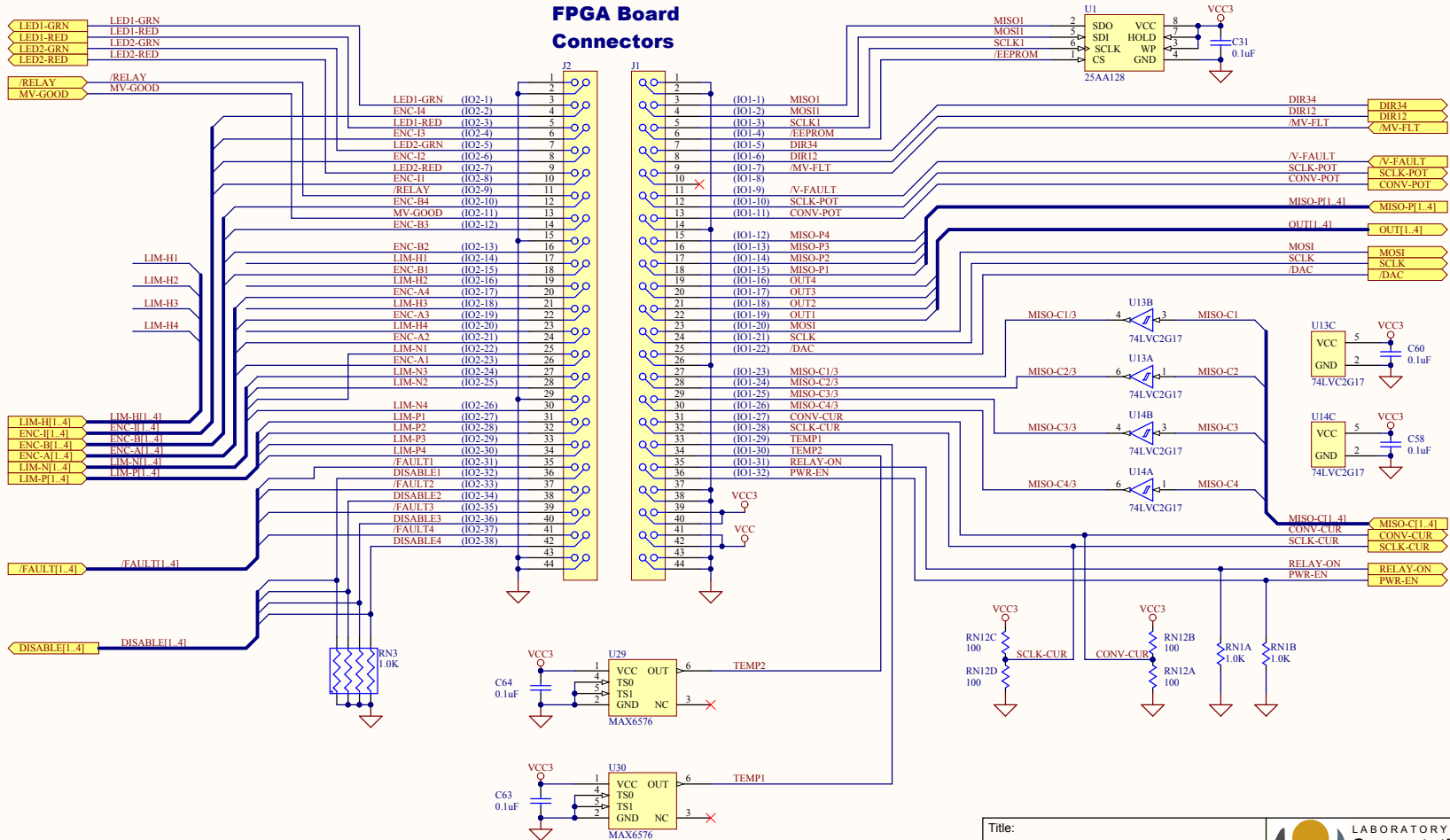
All ceramic capacitors up to and including 1,000pF are NPO, 50V or higher, 5% or better

All ceramic capacitors over 1,000pF up to and including 1.0uF are X7R, 16V or higher, 10% or better

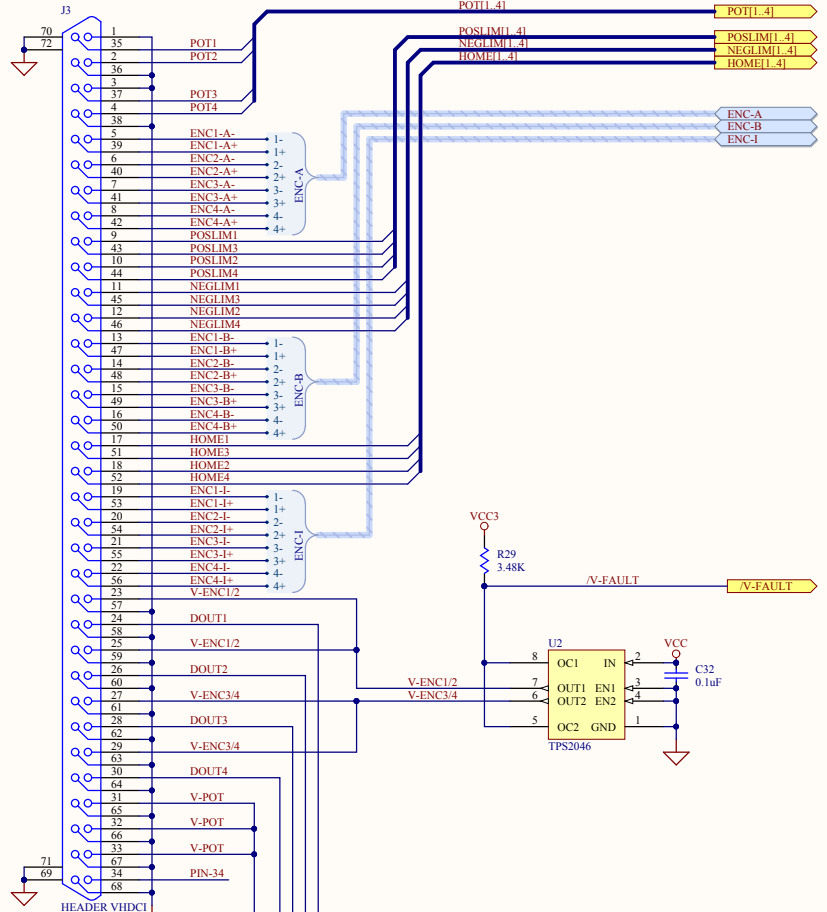
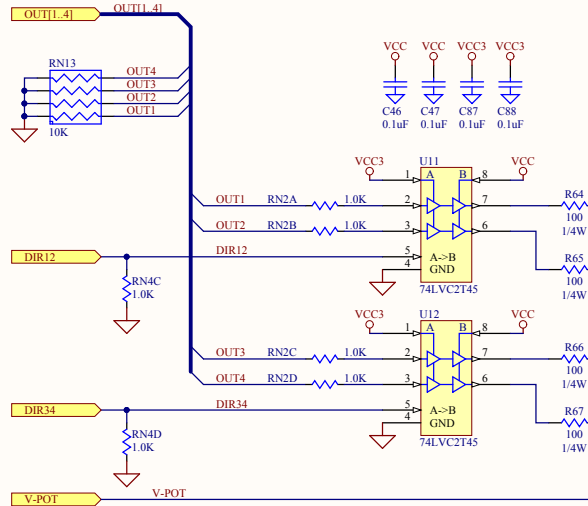
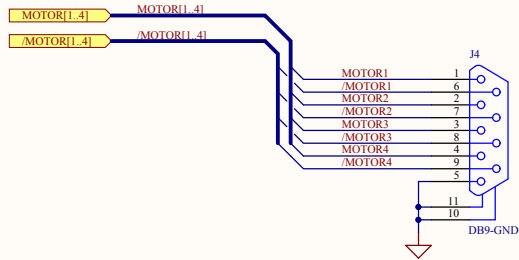
All ceramic capacitors over 1.0uF are of the specified type and voltage

All polarized capacitors are of the specified type and voltage

# FPGA Board, EEPROMs & Temperature Sensors

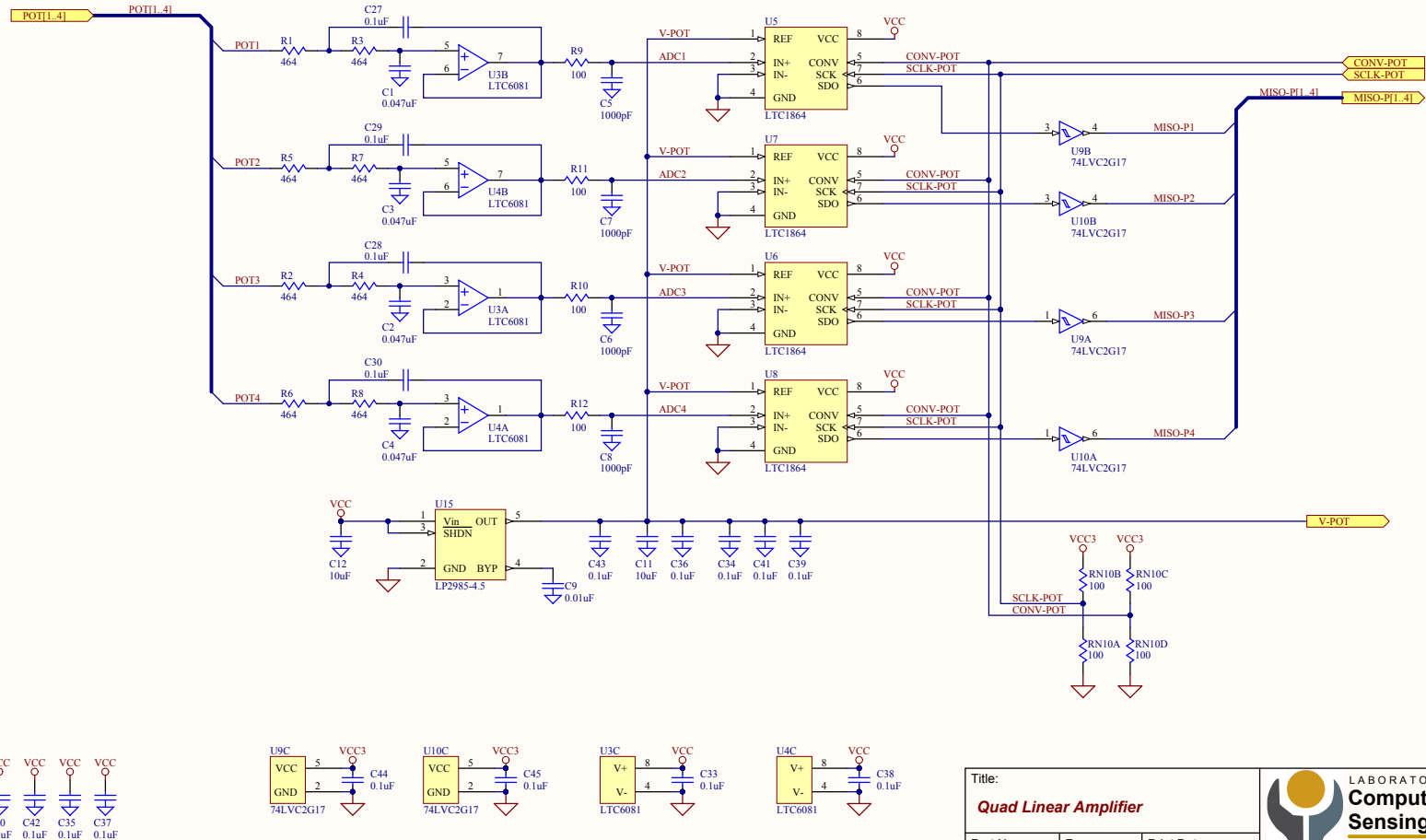


# Robot Connectors

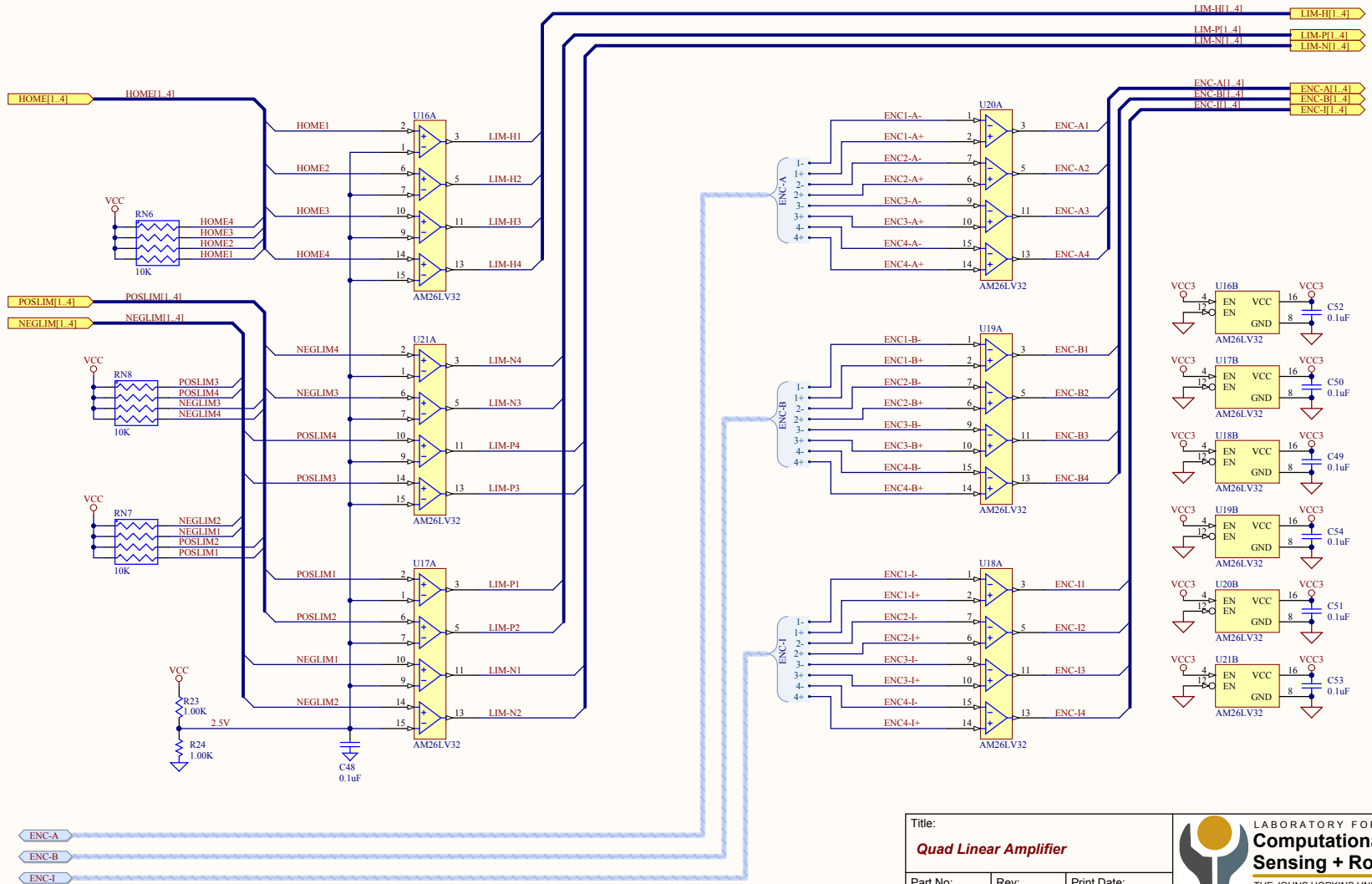


# Potentiometer Interface

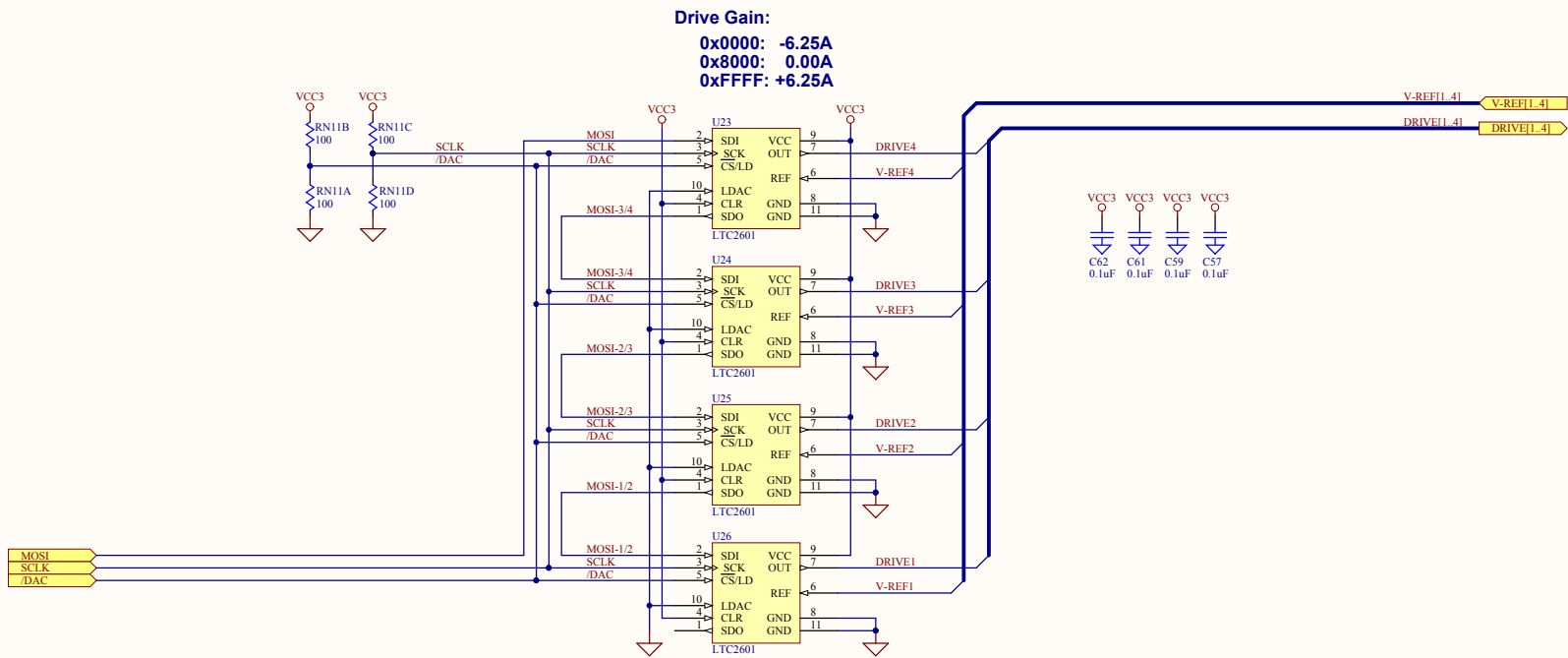
Fc: 5 kHz  
Gain: 1.000  
Type: Butterworth



# Encoder & Limit Switch Interface




## Drive DACs

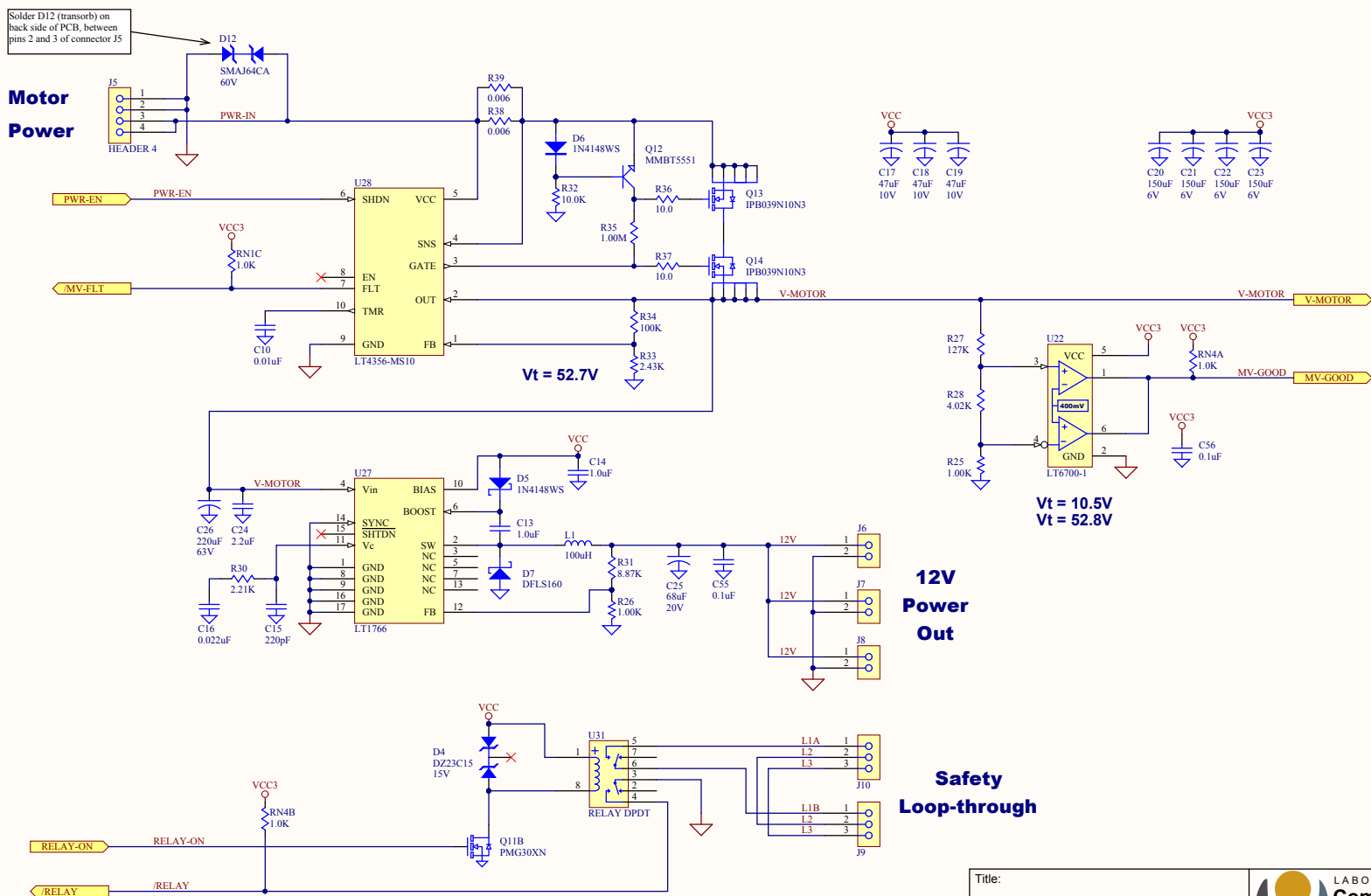


Quad Linear Amplifier  
Drawing Title:

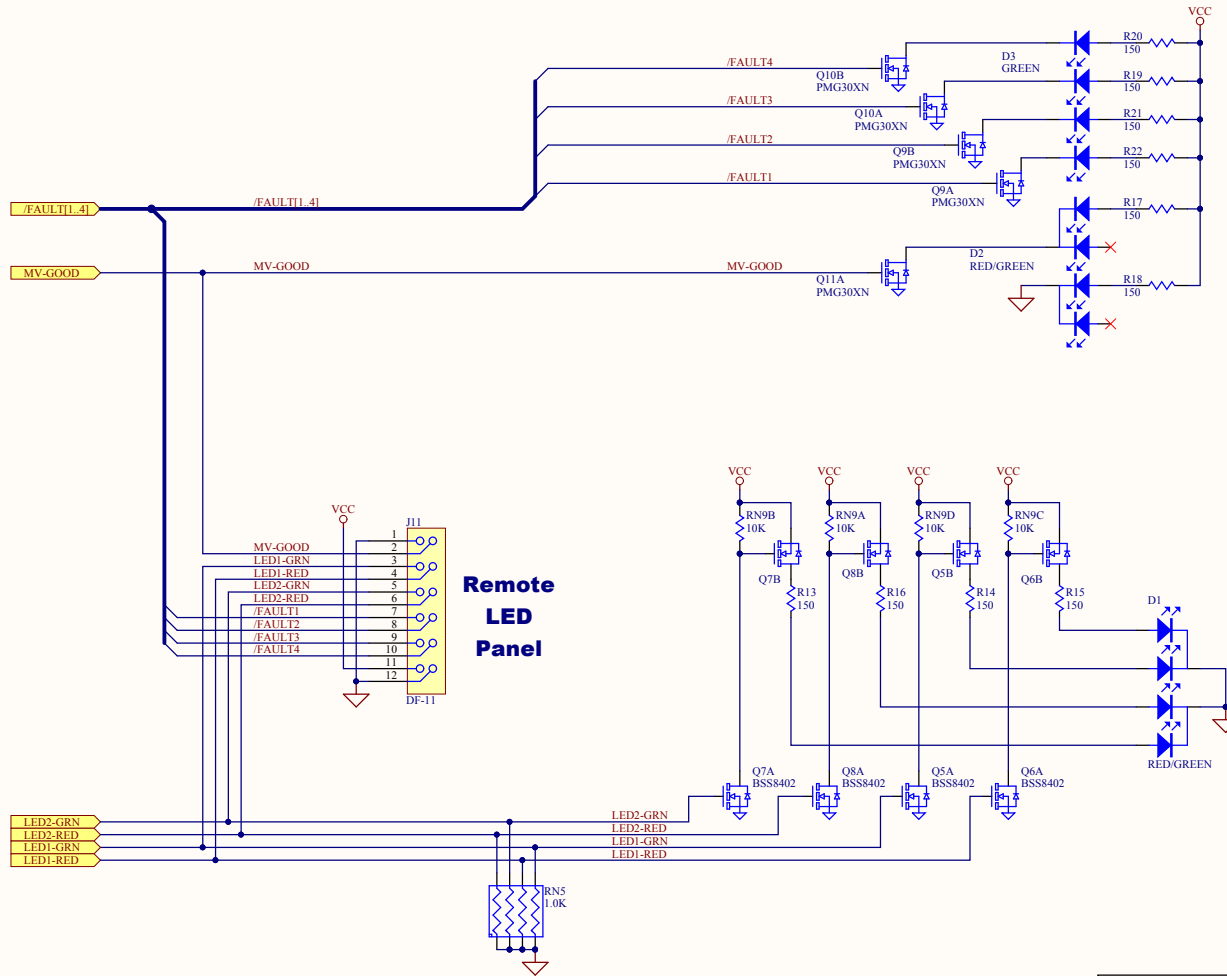
1.4b Rev:	6 Sheet:
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Title: <b><i>Quad Linear Amplifier</i></b>			 <p> <b>LABORATORY FOR Computational Sensing + Robotics</b>            THE JOHNS HOPKINS UNIVERSITY  <a href="http://lcsr.jhu.edu">http://lcsr.jhu.edu</a> </p>
Part No:	Rev:	Print Date:	
	1.4b	8/23/2018	
File Name: S06.SchDoc			Sheet 6 of 9

## Power Connectors, Power Supplies

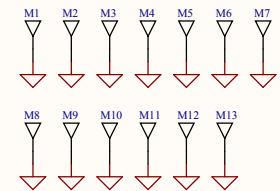


# LEDs



**Remote  
LED  
Panel**

## Mounting Holes

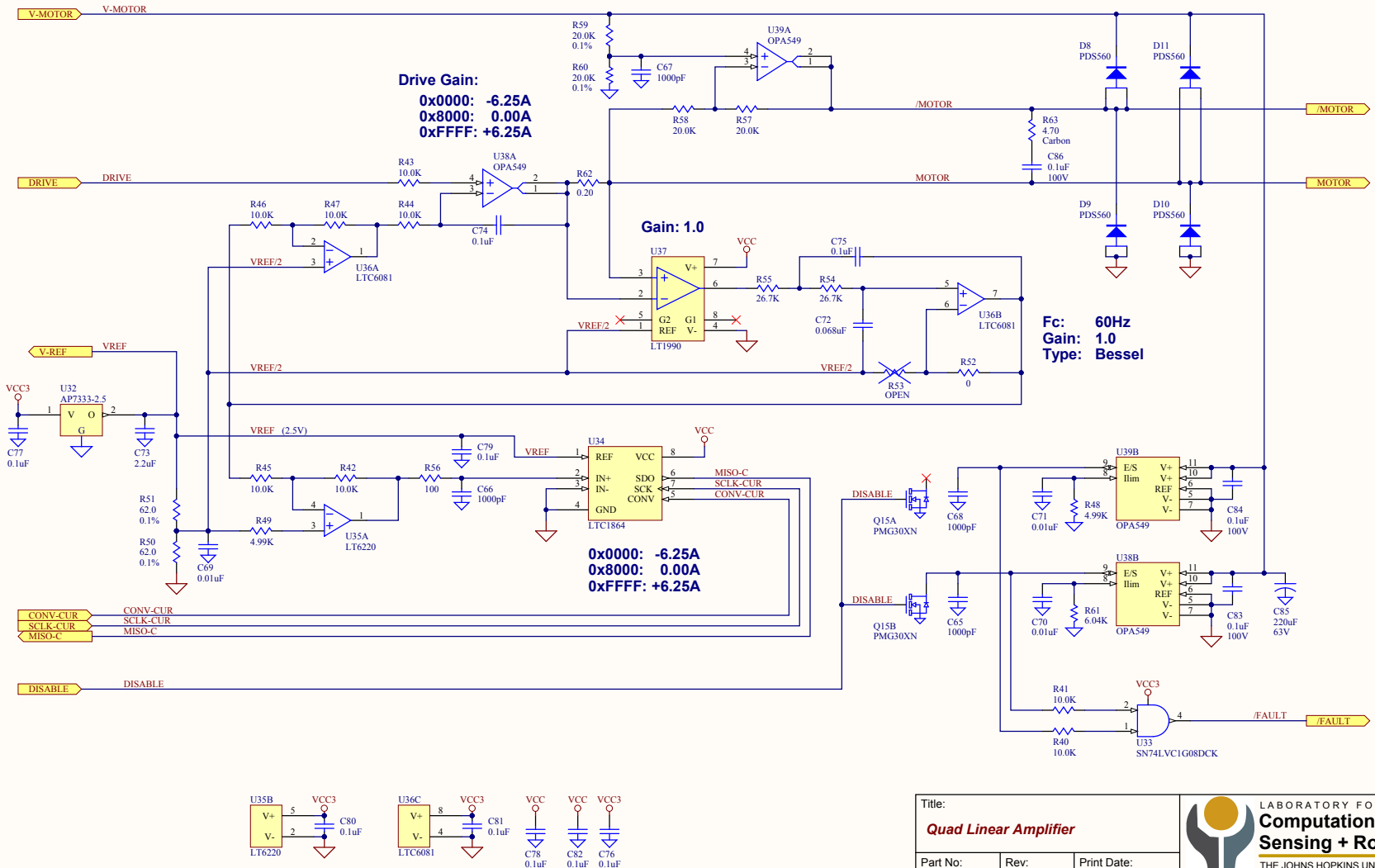


## Fiducials





## Motor Driver



Title: ***Quad Linear Amplifier***

Part No:	Rev: 1.4b	Print Date: 8/23/2018
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File Name: S09.SchDoc

