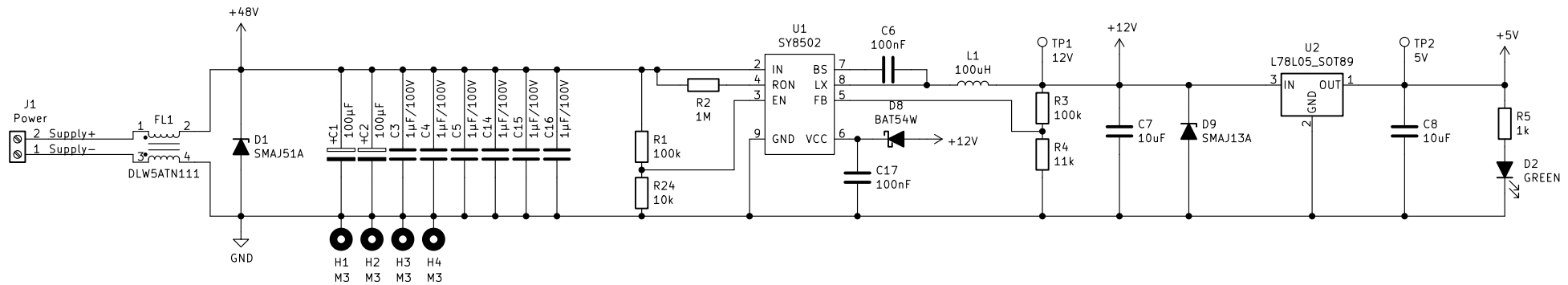
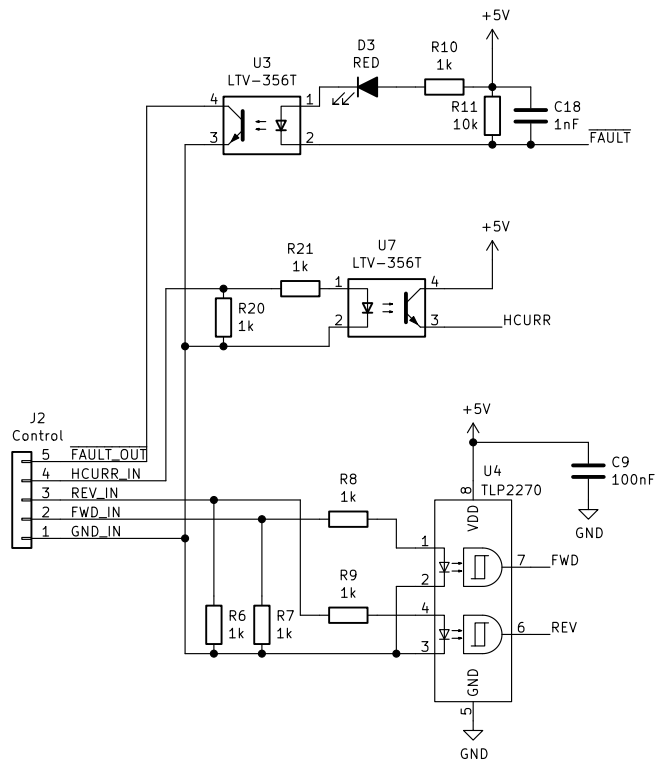


VIN (15–60V) to 12V / 5V regulator



Input opto-isolation

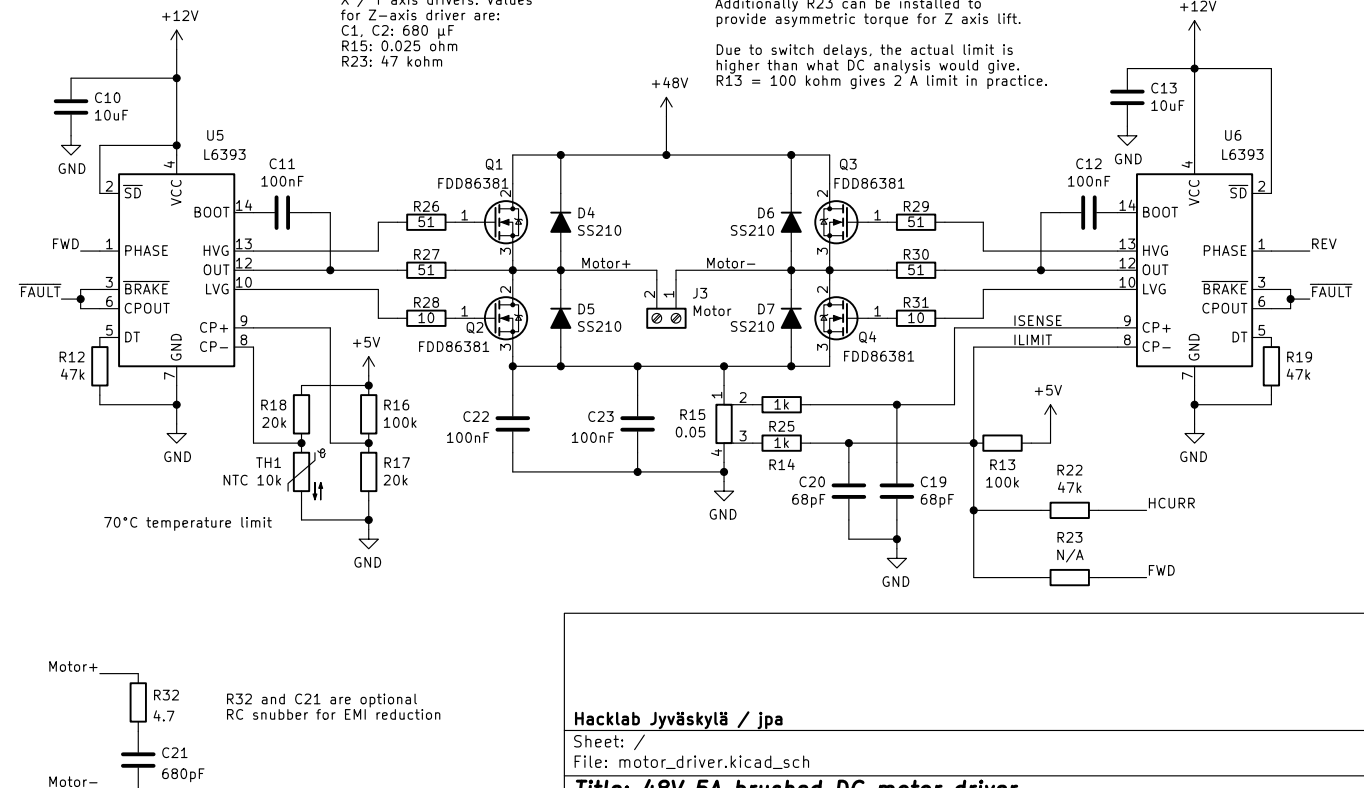


## Motor H-bridge

On schematic are values for  
X / Y axis drivers. Values  
for Z-axis driver are:  
C1, C2: 680  $\mu$ F  
R15: 0.025 ohm  
R23: 47 kohm

Current limit is set by R13 by default and by R22 if HCURR input is high. Additionally R23 can be installed to provide asymmetric torque for Z axis lift.

Due to switch delays, the actual limit is higher than what DC analysis would give.  
R13 = 100 kohm gives 2 A limit in practice.



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**Title: 48V 5A brushed DC motor driver**

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Rev: 2
Id: 1/1