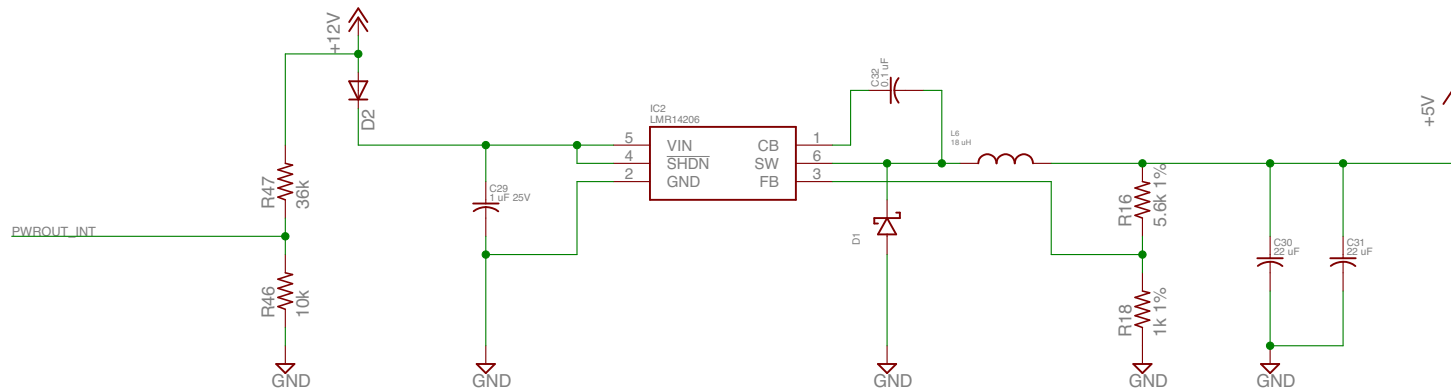
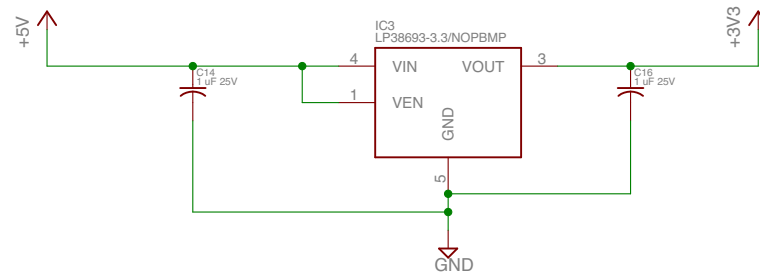


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given $R2 = 1k$
 $R1 = R2 * ((5V / 0.765V) - 1)$
 $= 5535.9477$
 nearest std value 5.6k gives $V_{out} = 5.049V$

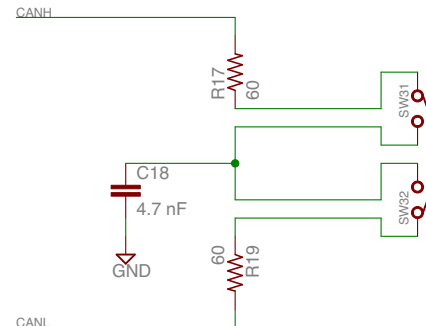
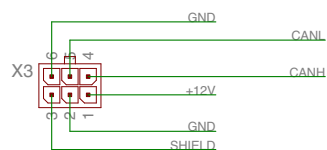
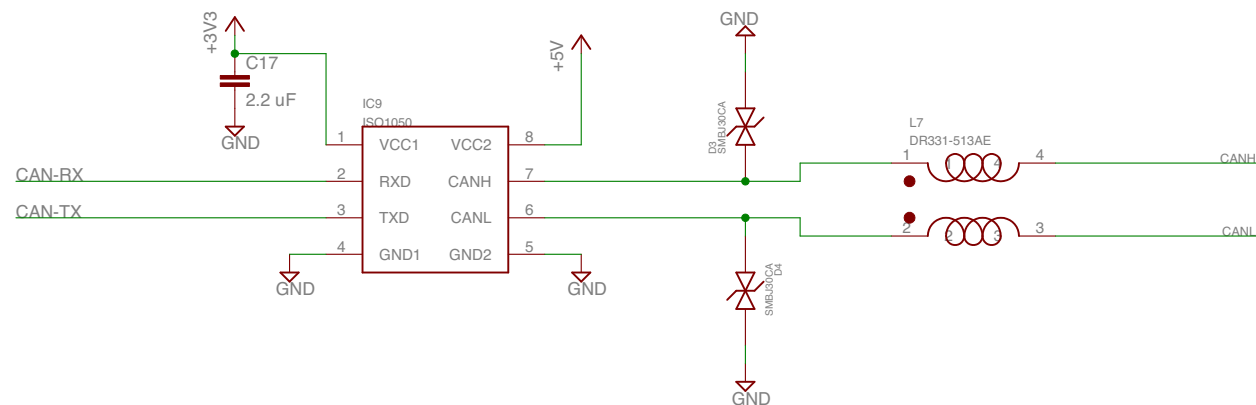
TODO: CHECK TOLERANCES

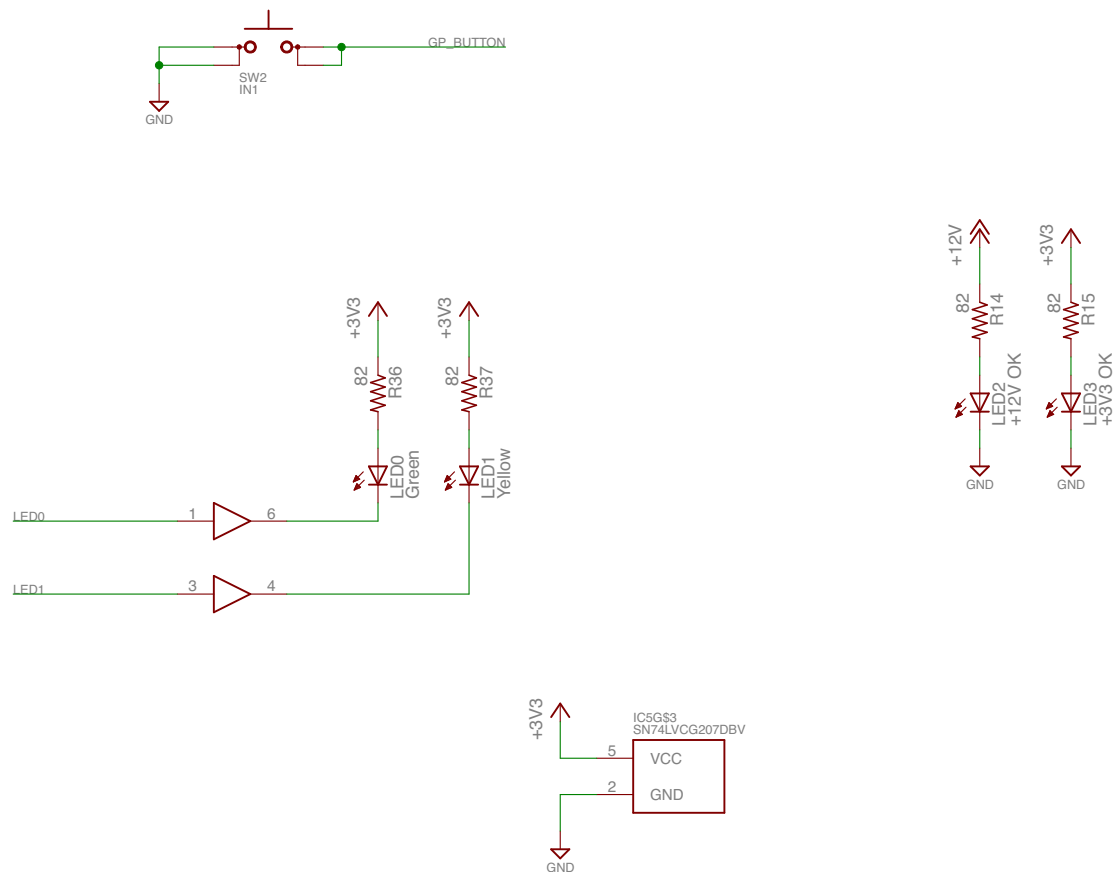


BETA
 5V and 3V3 power



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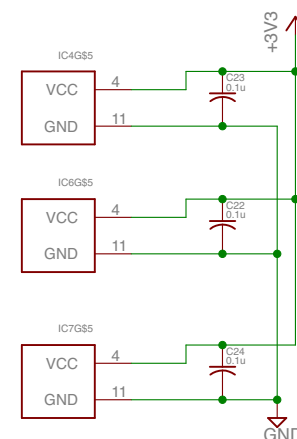
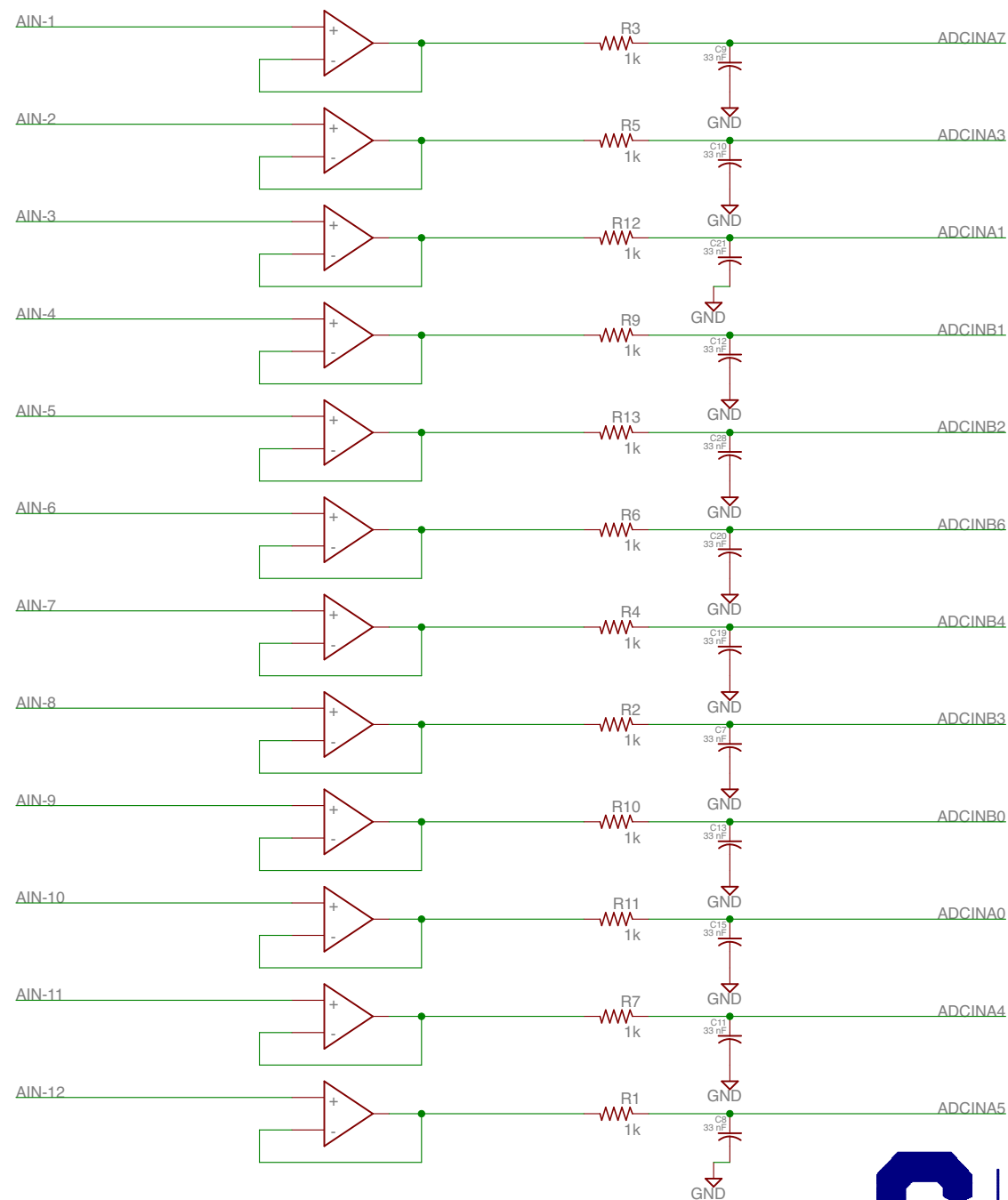




BETA
12V switching, LEDs, buttons



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BETA
Sensor input filters



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