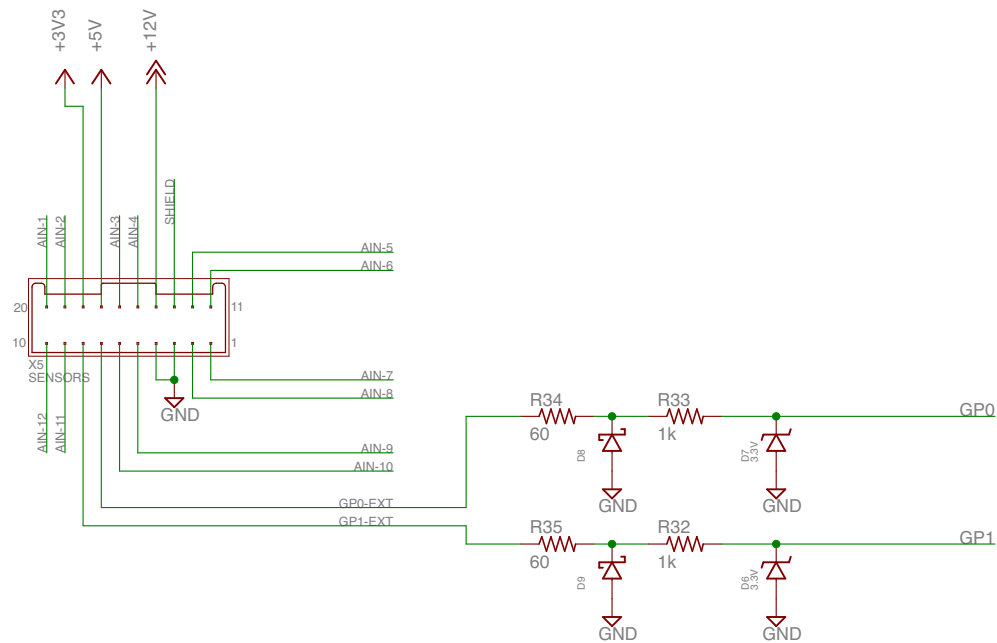
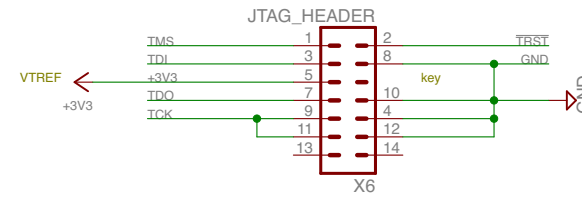
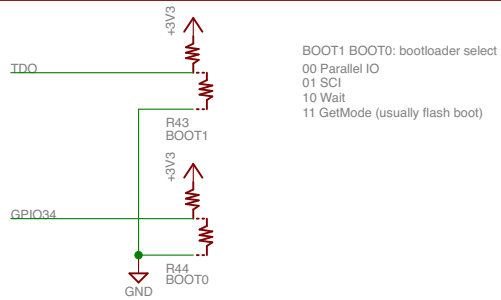




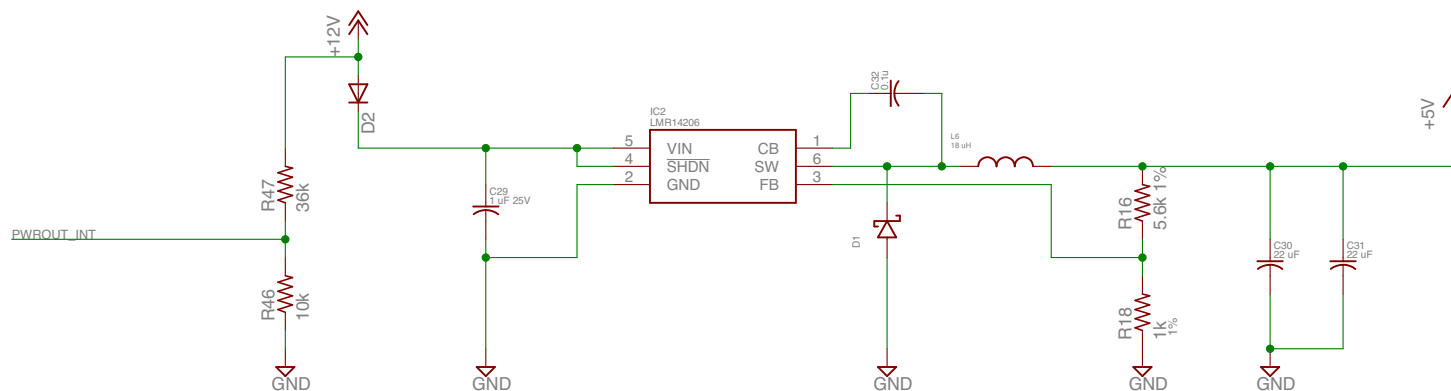
Board: Magic CAN Node
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2.2.0 - 2015-12-18
 Last modified date: 12/21/15 1:36 AM



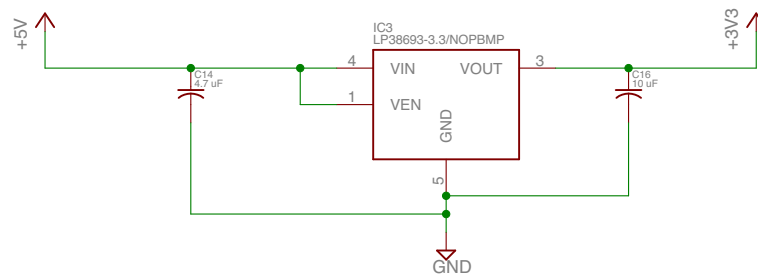
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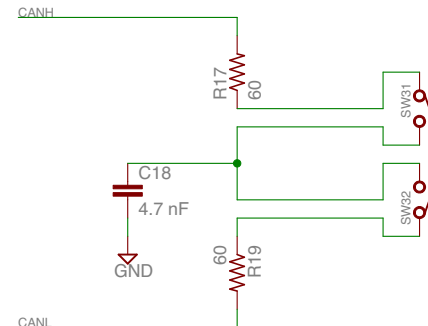
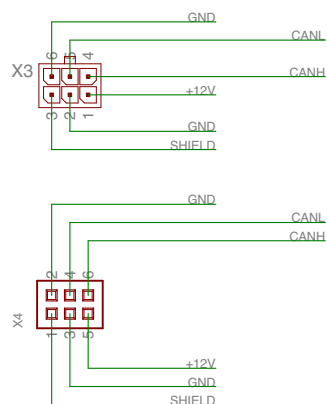
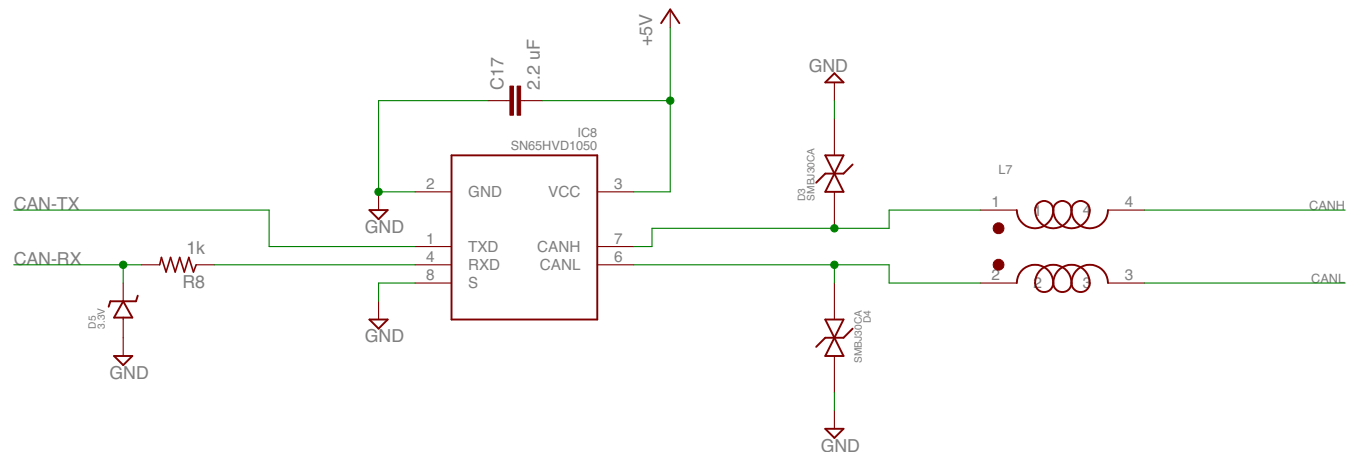
given $R2 = 1k$
 $R1 = R2 * ((5V / 0.765V) - 1)$
 $= 5535.9477$
 nearest std value 5.6k gives $V_{out} = 5.049V$



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 5V and 3V3 power



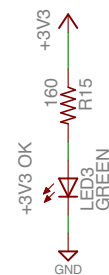
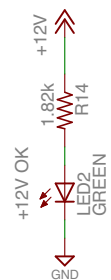
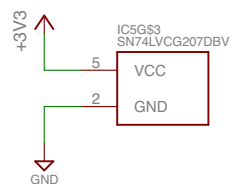
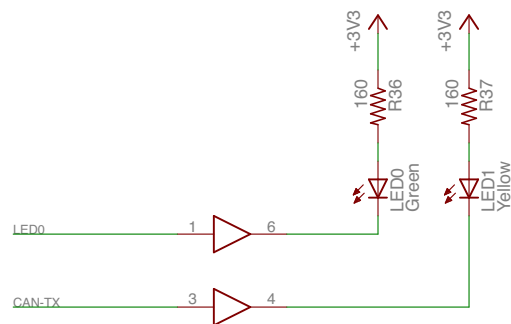
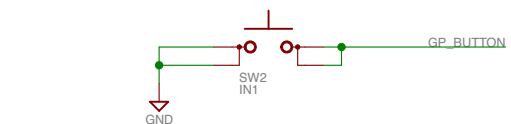
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Auxiliary analog input filters



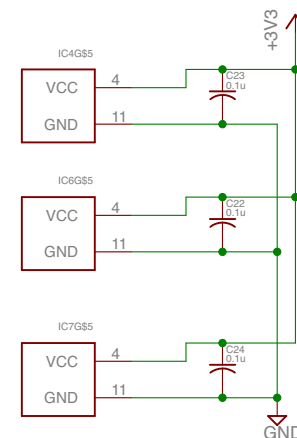
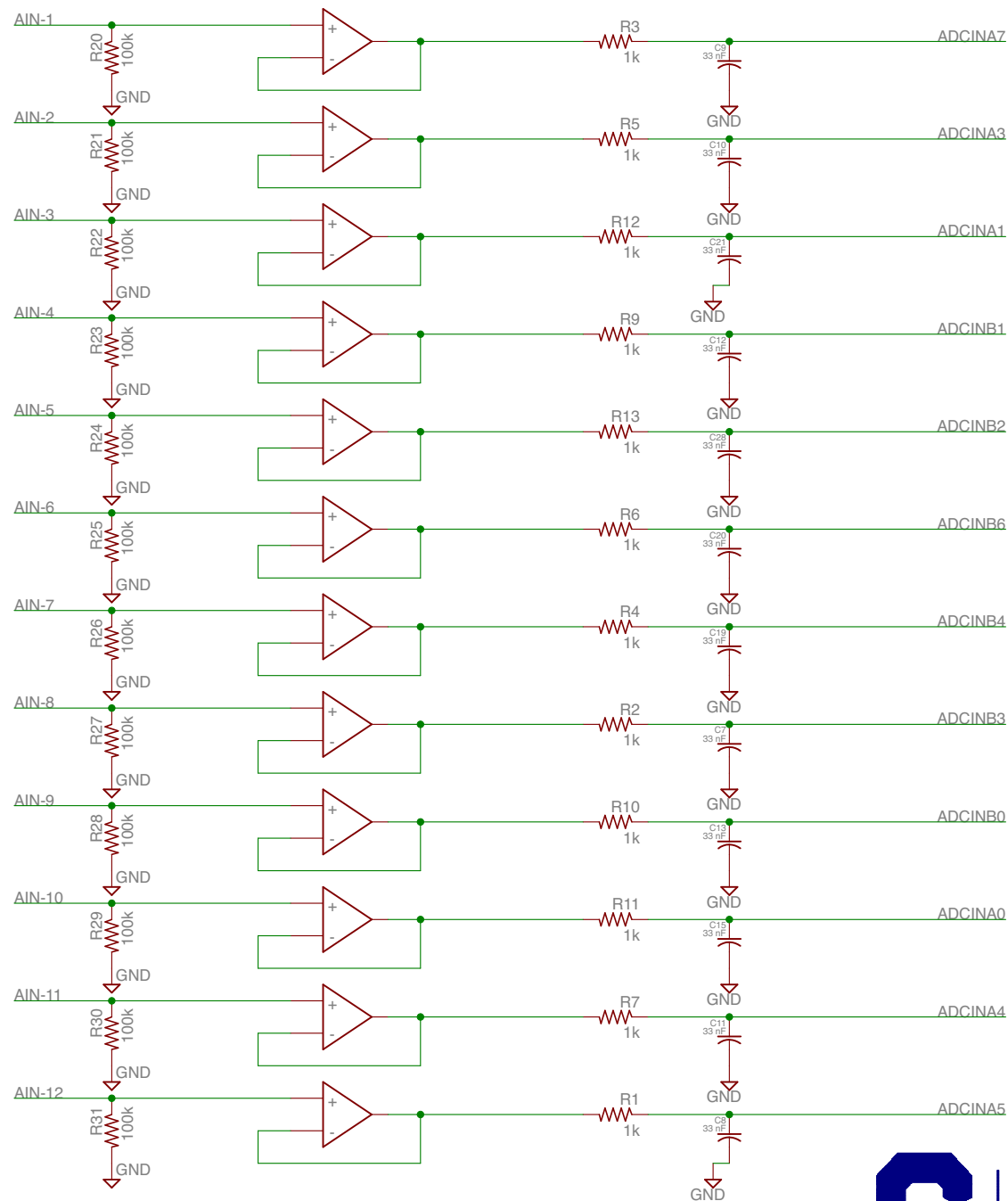
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12V switching, LEDs, buttons



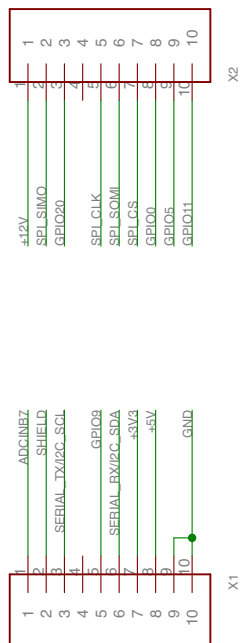
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Sensor input filters



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Sensor connector and backpack headers



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