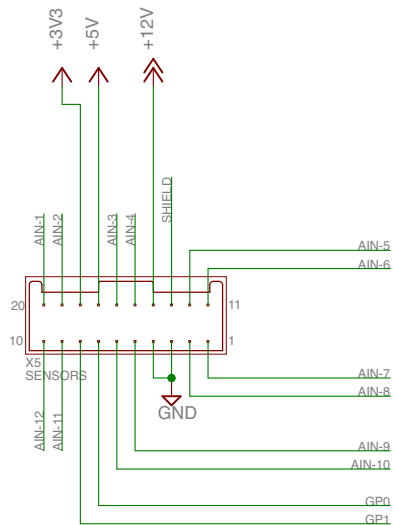
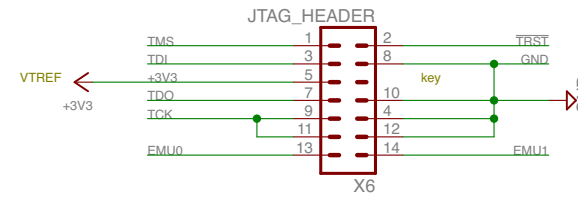
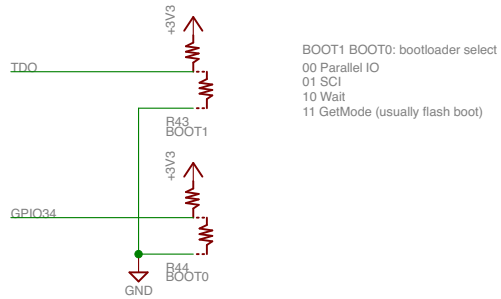




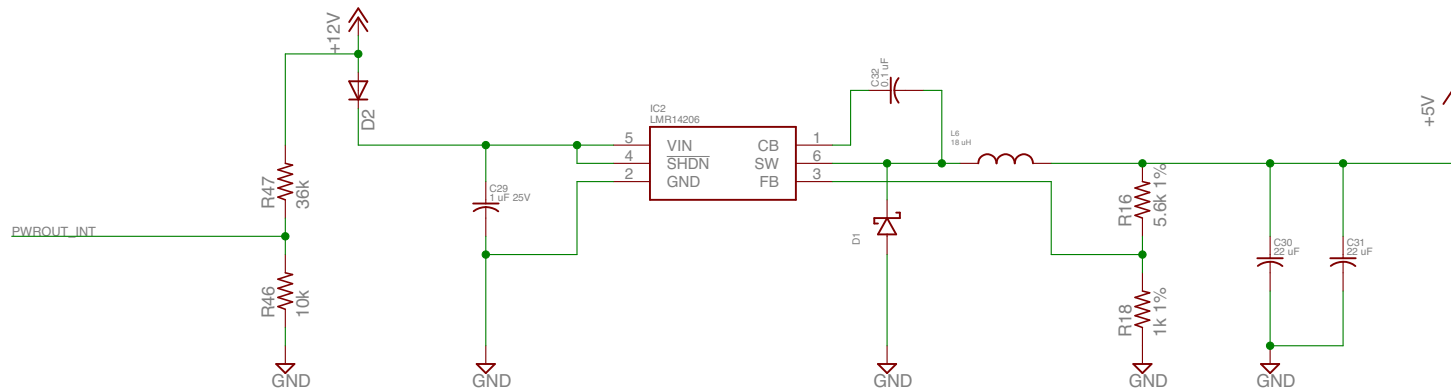
Board: Magic CAN Node  
 Drawn by Aaron Bonnell-Kangas  
 Revision date: DRAFT  
 Last modified date: 11/30/14 7:30 PM



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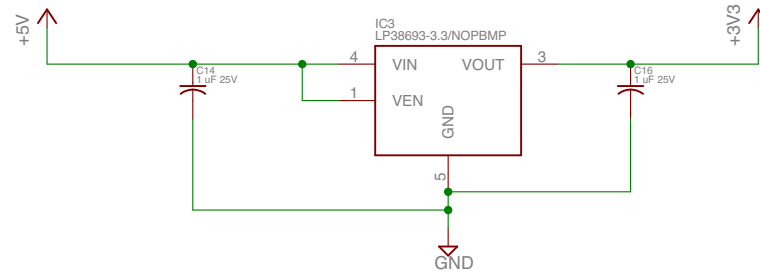


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Drawn by Aaron Bonnell-Kangas  
Revision date: DRAFT  
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given  $R2 = 1k$   
 $R1 = R2 * ((5V / 0.765V) - 1)$   
 $= 5535.9477$   
 nearest std value 5.6k gives  $V_{out} = 5.049V$

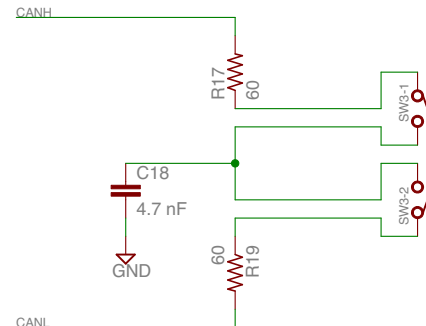
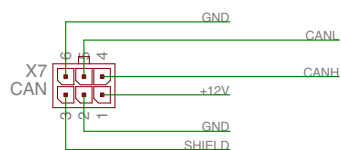
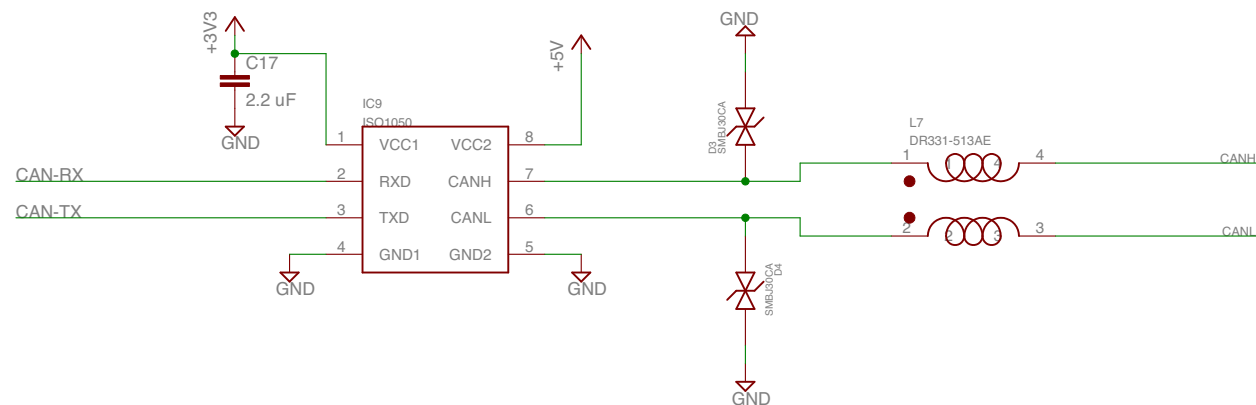
**TODO: CHECK TOLERANCES**



**DRAFT**  
 5V and 3V3 power



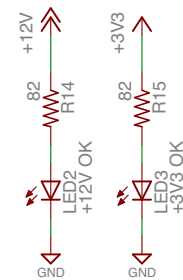
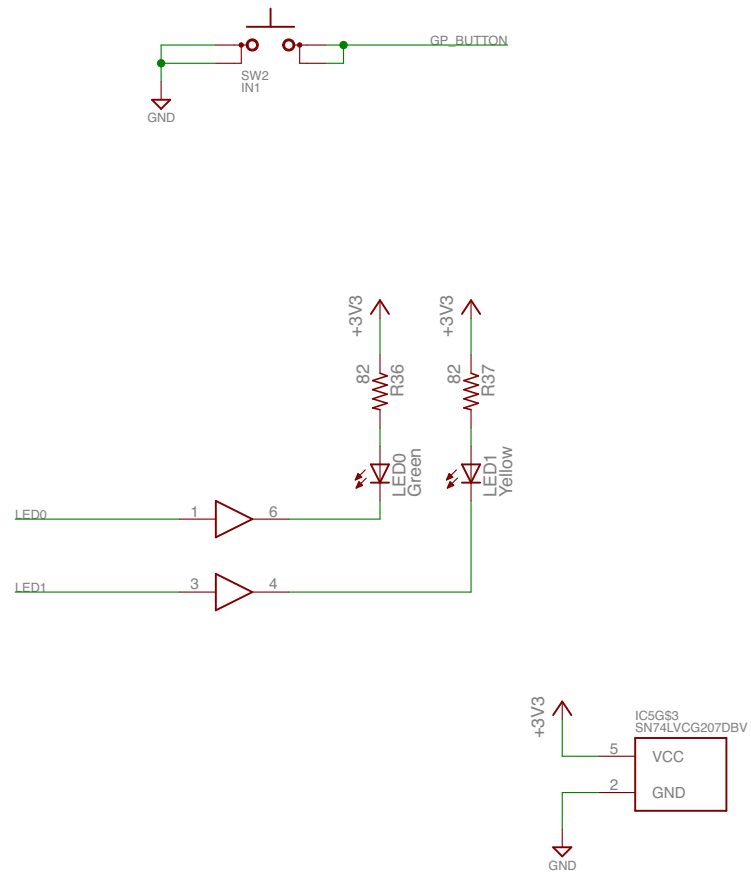
Board: Magic CAN Node  
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**DRAFT**  
Auxiliary analog input filters

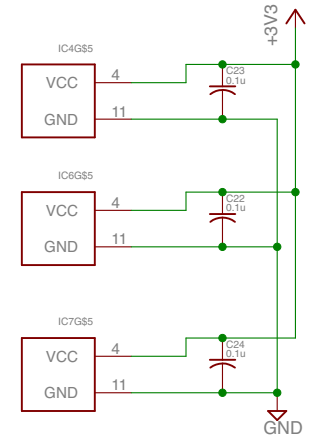
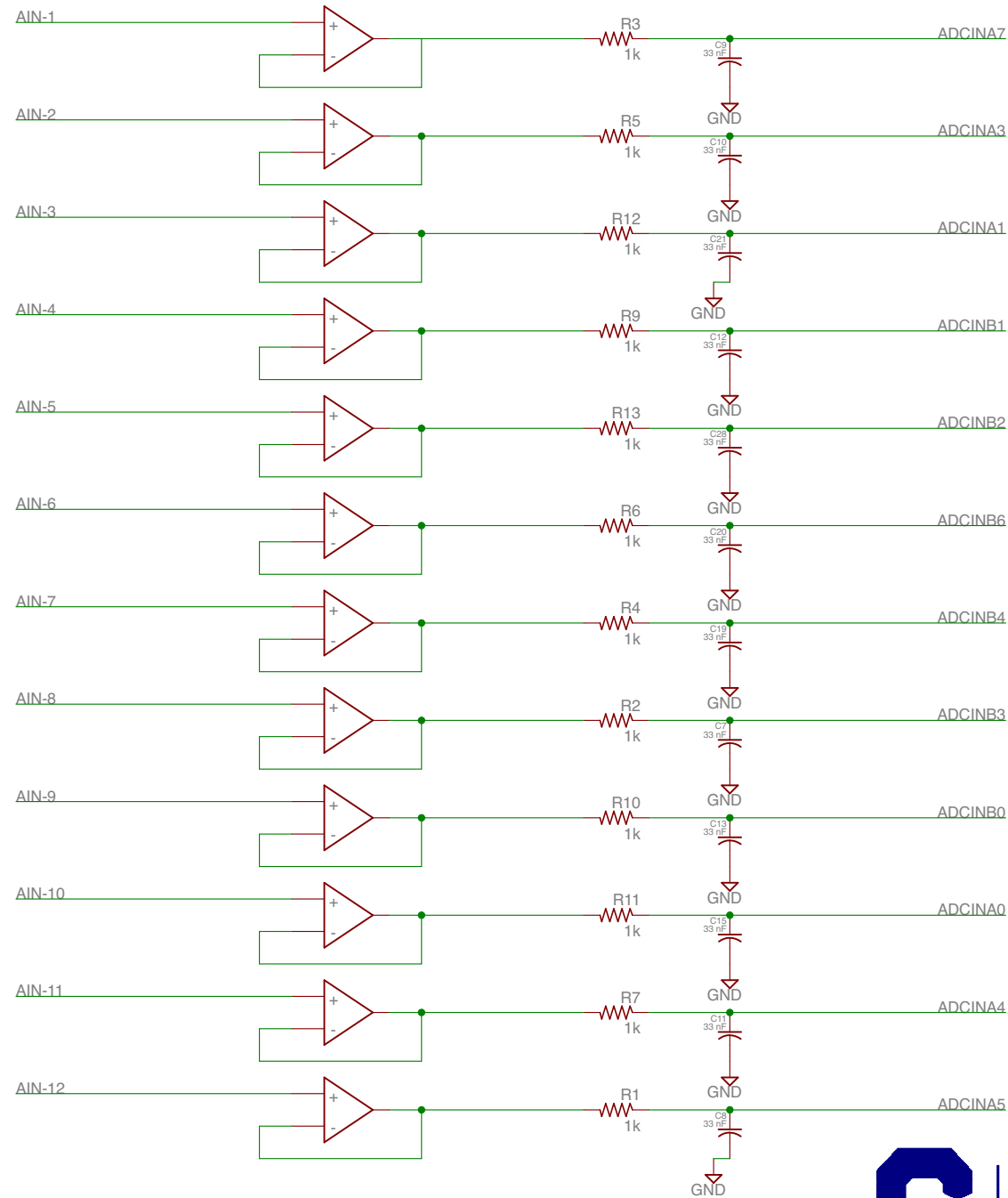


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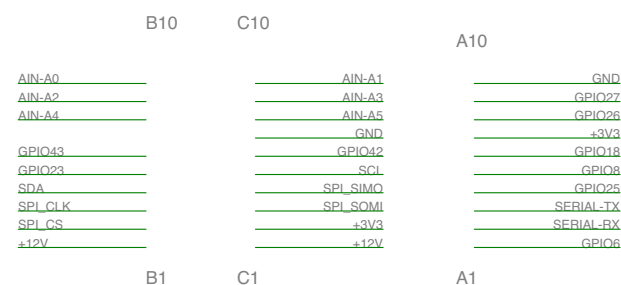
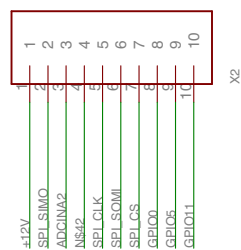
**DRAFT**  
 12V switching, LEDs, buttons



**DRAFT**  
Sensor input filters



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NOTE: these symbols are wrong presently  
SV3(1-10) is A1-A10  
SV2(2,4,6,8,...) is B1-10  
SV2(1,3,5,9,...) is C1-10

