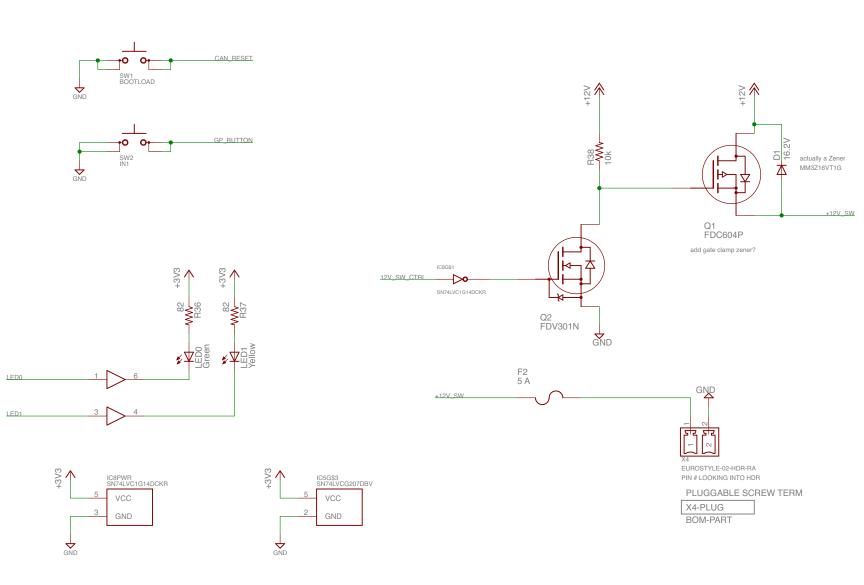




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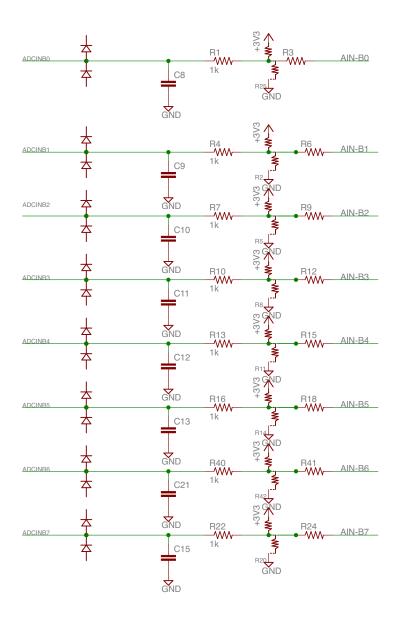
RELEASE 12V switching, LEDs, buttons



Board: Magic CAN Node r02
Drawn by Aaron Bonnell-Kangas
Revision date: r02 - 2014-02-10

Last modified date: 2/10/14 4:27 PM

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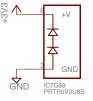
for thermistor measurement: populate top half of R2, R5, etc and populate R3, R6, etc with 0R

for 0-3.3V measurement: populate R3, R6, etc with 0R DNP R2, R5, etc

for 0-5V measurement: populate R3, R6, etc with 5.6k populate bottom half of R2, R5, etc with 10k

for 0-12V measurement: populate R3, R6, etc with 27k populate bottom half of R2, R5, etc with 10k

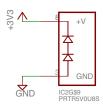
for 0-15V measurement: populate R3, R6, etc with 36k populate bottom half of R2, R5, etc with 10k



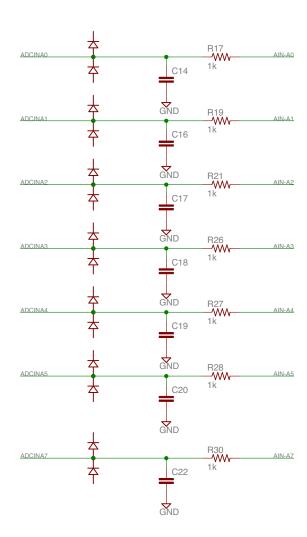


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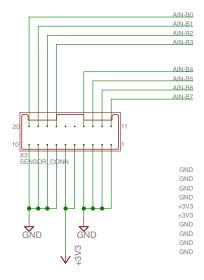


populate C14-C22 with 0.1 uF by default (for f_3dB = 1.6 kHz)



C

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X3-CONN BOM-PART

X3-TERM BOM-PART

	B10	C10			
	0)/(0			A10	
	SV2	_		SV3	
AIN-A0	20	19	AIN-A1	10	GNE
AIN-A2	18	17	AIN-A3	9	GPIO2
AIN-A4	16	15	AIN-A5	8	GPI02
	14	13	GND	7	+3V:
GPIO43	12	11	GPIO42	6	GPIO18
GPIO23	10	9	SCL	5	GPIO
SDA	8	7	SPISIMO	4	GPIO2
SPICLK	6	5	SPISOMI	3	SERIAL-T
SPICS	4	_ 3	+3V3	2	SERIAL-R
+12V	2	1	+12V	1	GPIO
				ш.	
	B1	C1		A1	

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



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