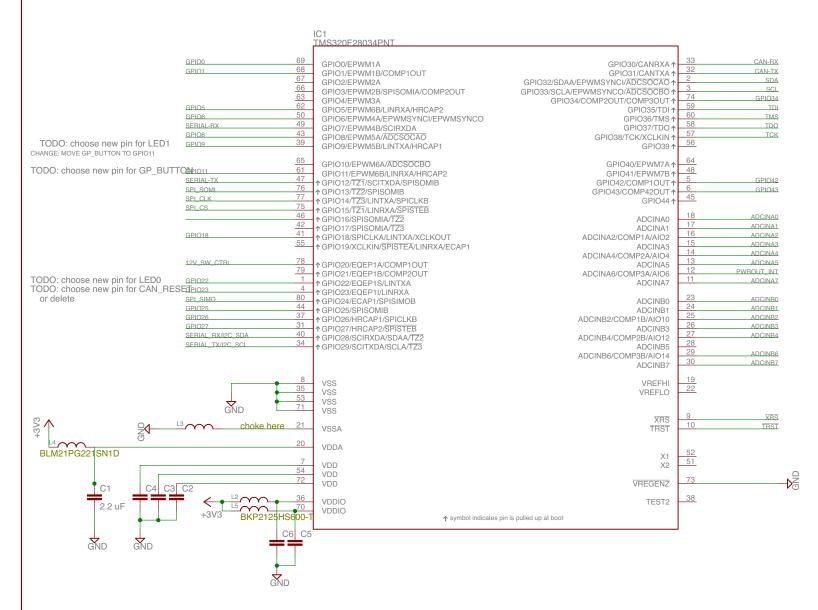
Sheet 1/7



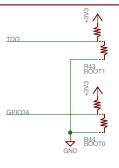
DRAFT F28035 power and signal connections



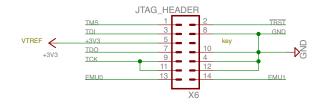
Board: Magic CAN Node
Drawn by Aaron Bonnell-Kangas

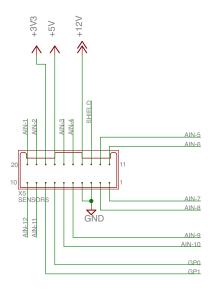
Revision date: DRAFT

Sheet 2/7



BOOT1 BOOT0: bootloader select 00 Parallel IO 01 SCI 10 Wait 11 GetMode (usually flash boot)

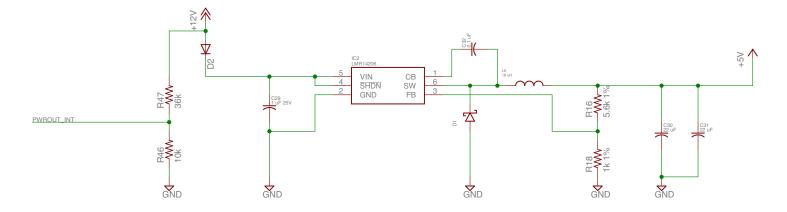




C

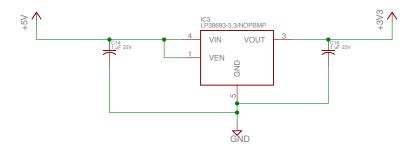
Board: Magic CAN Node
Drawn by Aaron Bonnell-Kangas
Revision date: DRAFT

Sheet 3/7



given R2 = 1k R1 = R2*((5V / 0.765 V) -1) = 5535.9477 nearest std value 5.6k gives Vout = 5.049 V

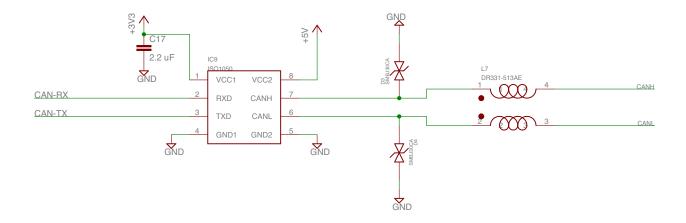
TODO: CHECK TOLERANCES



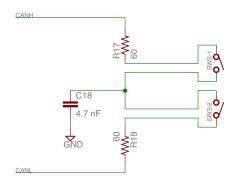


Board: Magic CAN Node
Drawn by Aaron Bonnell-Kangas
Revision date: DRAFT

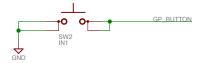
Sheet 4/7

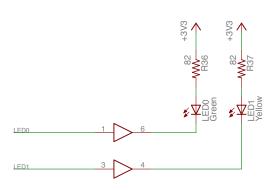


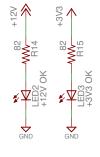


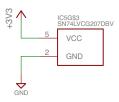


Sheet 5/7

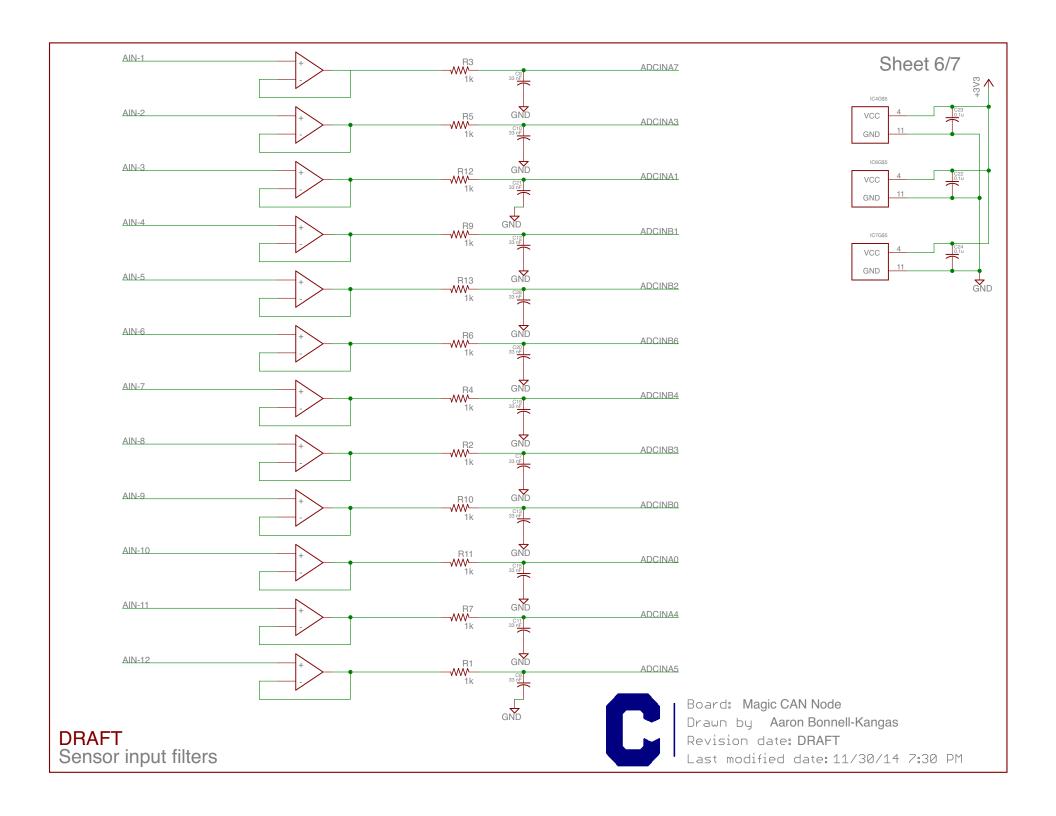




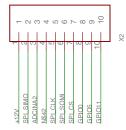






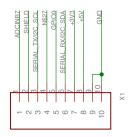


Sheet 7/7



	B10	C10		A10	
AIN-A0			AIN-A1		GND
AIN-A2		· 	AIN-A3	·	GPIO27
AIN-A4			AIN-A5		GPIO26
			GND		+3V3
GPIO43		<u> </u>	GPIO42		GPIO18
GPIO23			SCL		GPI08
SDA			SPI_SIMO		GPIO25
SPL_CLK			SPI_SOMI		SERIAL-TX
SPL_CS			+3V3		SERIAL-RX
+12V			+12V		GPIO6
	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





Board: Magic CAN Node
Drawn by Aaron Bonnell-Kangas

Revision date: DRAFT

Last modified date: 11/30/14 7:30 PM

DRAFTSensor connector and backpack headers