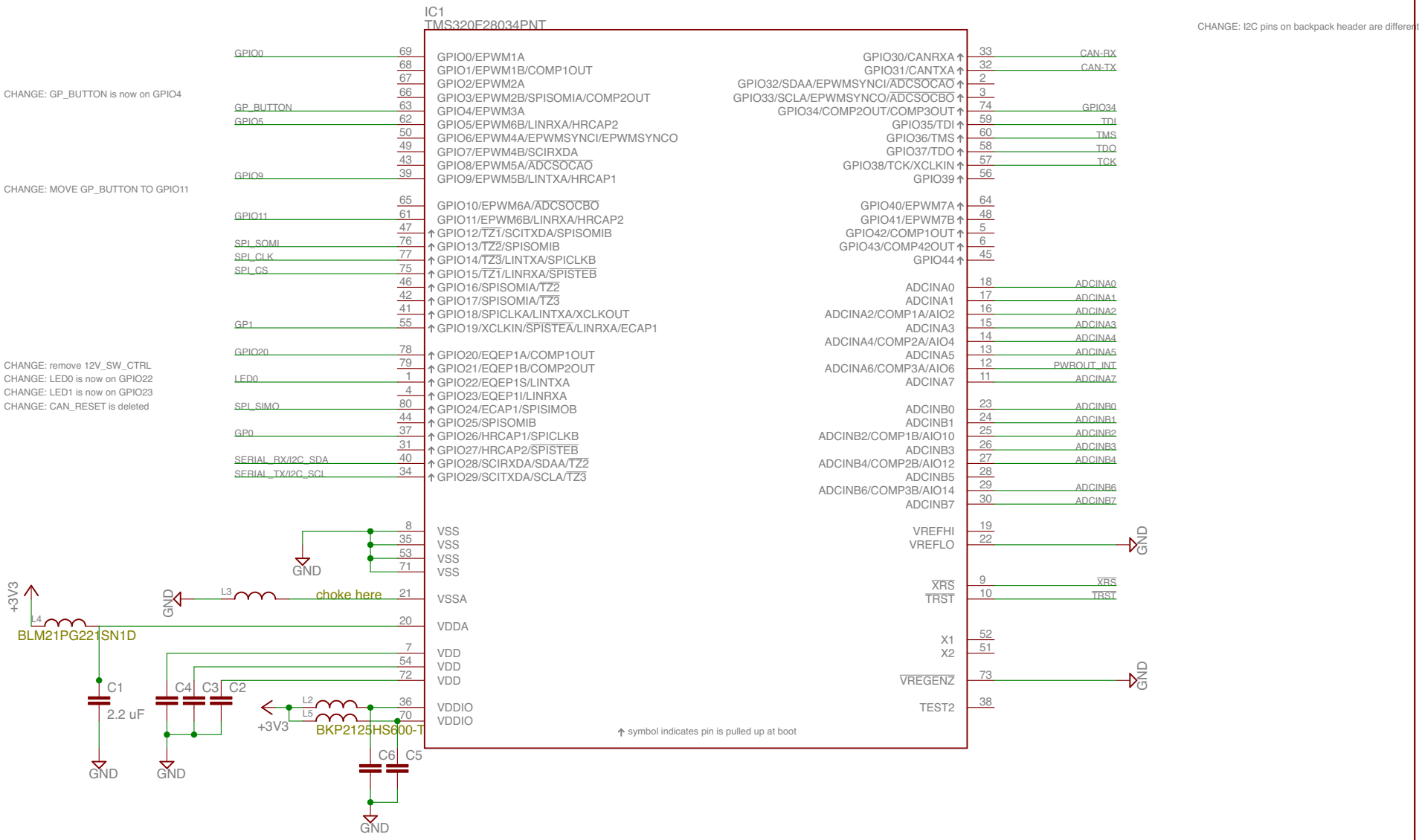
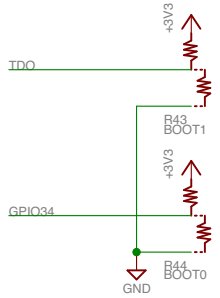


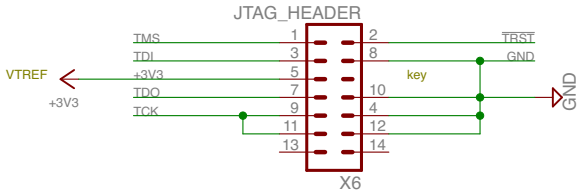
RELEASE

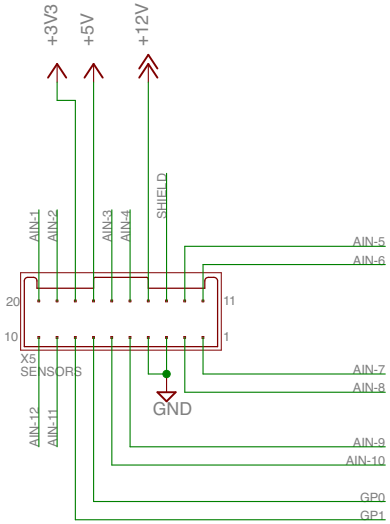
F28035 power and signal connections

Board: Magic CAN Node
Drawn by Aaron Bonnell-Kangas
Revision date: v2.1.0
Last modified date: 4/4/15 8:14 PM



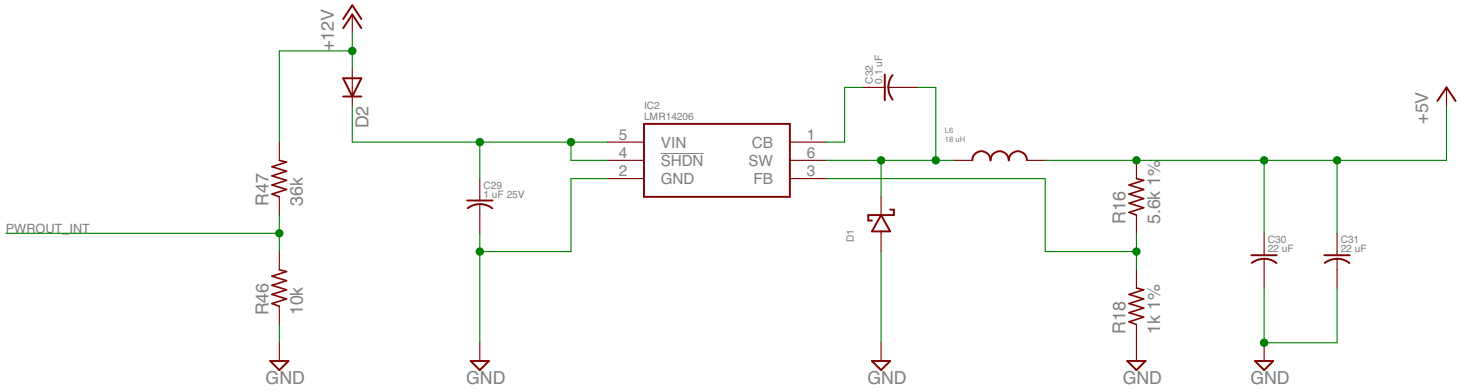
BOOT1 BOOT0: bootloader select
00 Parallel IO
01 SCI
10 Wait
11 GetMode (usually flash boot)



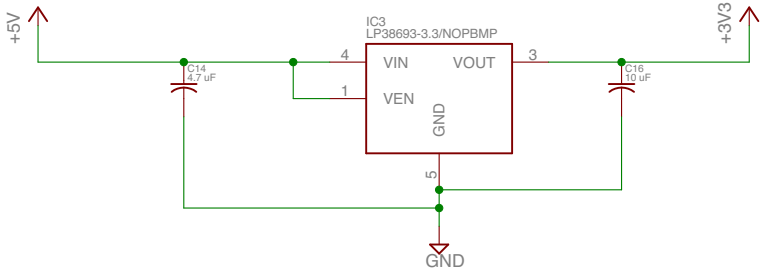


RELEASE

Board: Magic CAN Node
Drawn by Aaron Bonnell-Kangas
Revision date: v2.1.0
Last modified date: 4/4/15 8:14 PM

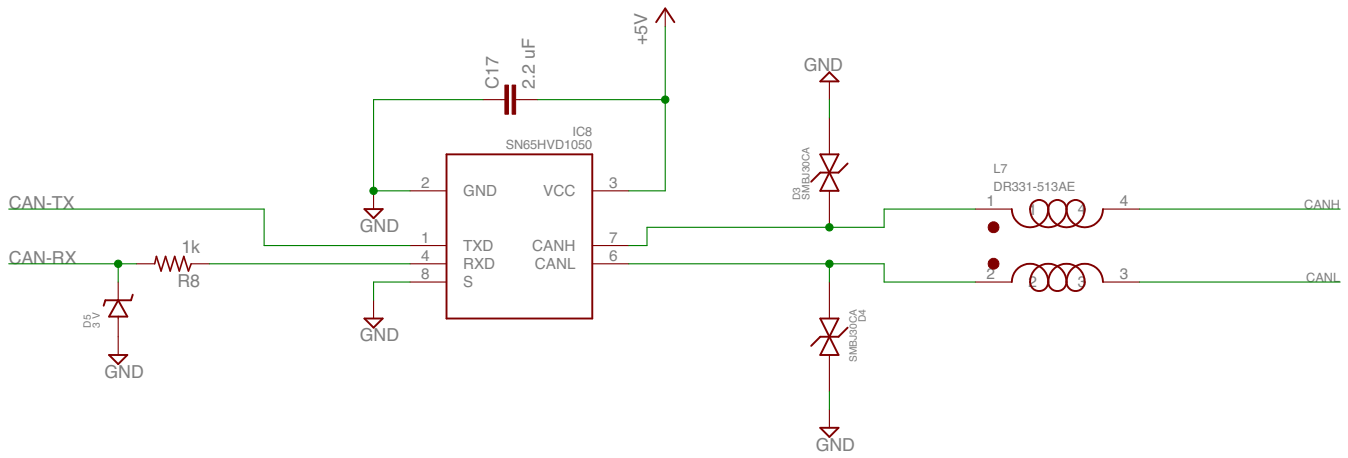


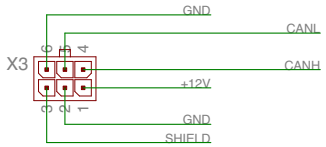
given R2 = 1k
R1 = R2*((5V / 0.765 V) -1)
= 5535.9477
nearest std value 5.6k gives Vout = 5.049 V

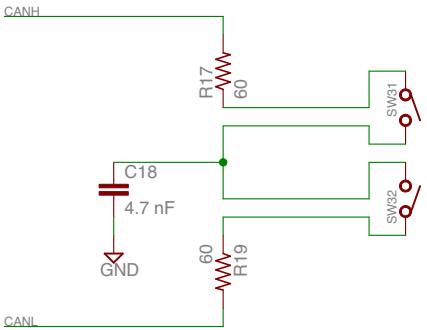


RELEASE
5V and 3V3 power

Board: Magic CAN Node
Drawn by Aaron Bonnell-Kangas
Revision date: v2.1.0
Last modified date: 4/4/15 8:14 PM







RELEASE

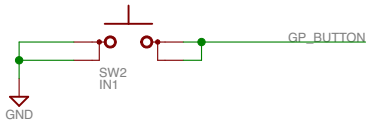
Auxiliary analog input filters

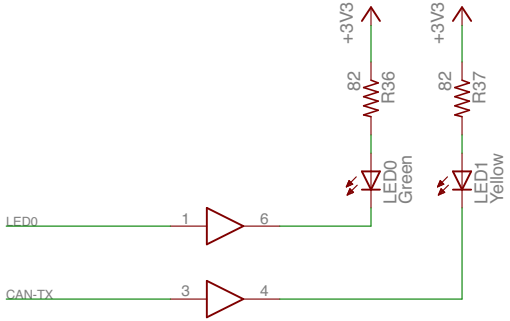
Board: Magic CAN Node

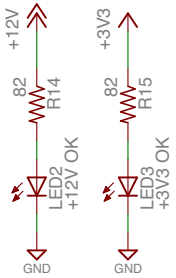
Drawn by Aaron Bonnell-Kangas

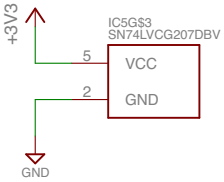
Revision date: v2.1.0

Last modified date: 4/4/15 8:14 PM



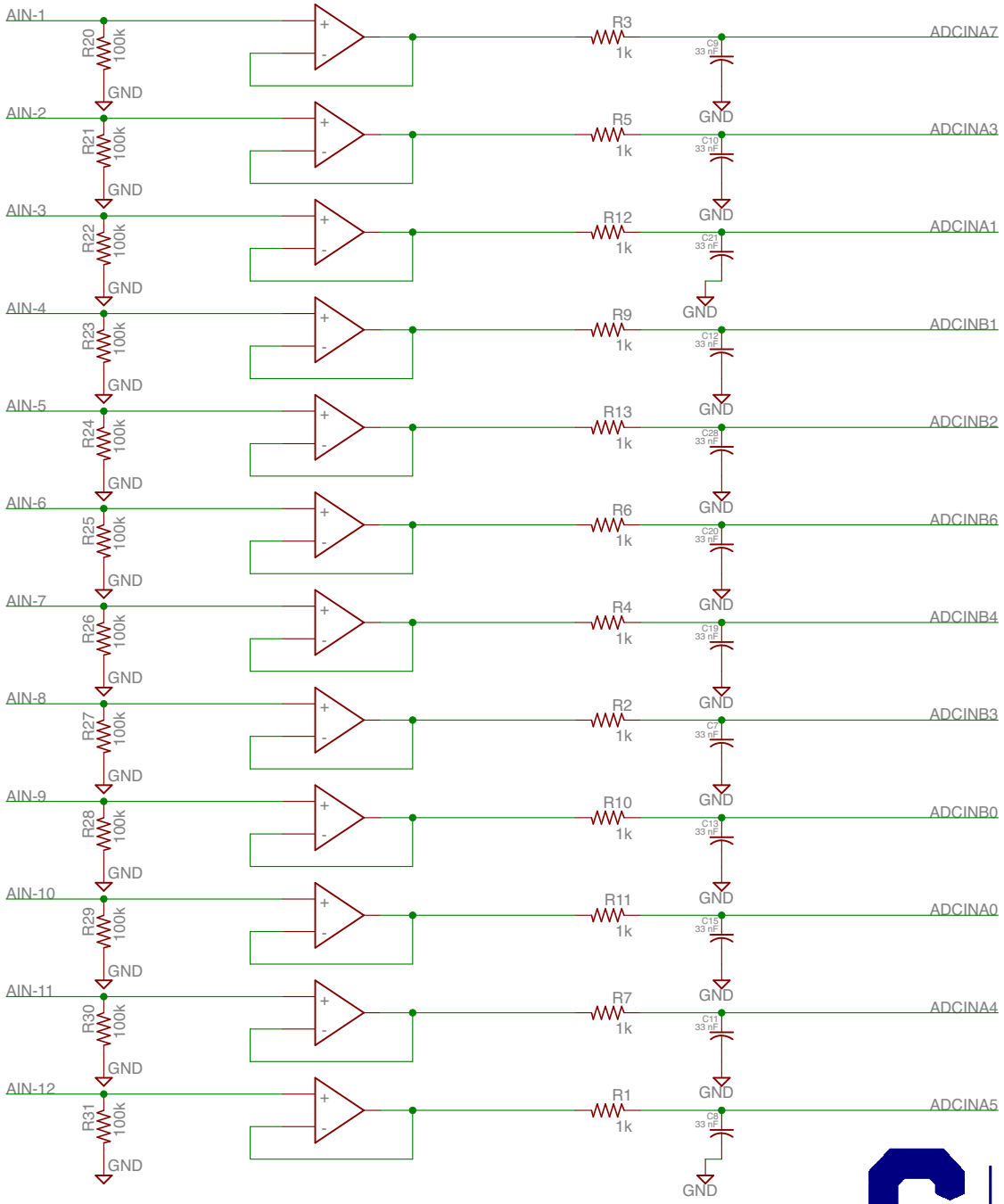


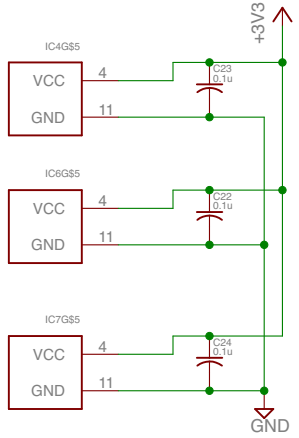




RELEASE
12V switching, LEDs, buttons

Board: Magic CAN Node
Drawn by Aaron Bonnell-Kangas
Revision date: v2.1.0
Last modified date: 4/4/15 8:14 PM





Sheet 6/7

RELEASE

Sensor input filters

Board: Magic CAN Node

Drawn by Aaron Bonnell-Kangas

Revision date: v2.1.0

Last modified date: 4/4/15 8:14 PM

RELEASE

Sensor connector and backpack headers

Board: Magic CAN Node

Drawn by Aaron Bonnell-Kangas

Revision date: v2.1.0

Last modified date: 4/4/15 8:14 PM