Notes:

J2 is the TE Connectivity Automotive Grade water resistant connector. There is a separate board design for this connector found in the connector/pcb directory in the Jaguar repository.

The 35 positions will allow for modifications to the board for additional inputs/outputs as this design only uses 27 positions. My samples to test have arrived, http://www.te.com/Part #'s:

1-776163-2 Right Angle 35 Position Header (Natural Color) OR

1-776231-2 Vertical 35 Position Header (Natural Color) 1-776231-2 Vertical 35 Position Header (Natural Color) 776164-2 35 Position AMP SEAL Plug Assembly (Natural Color)

Make sure that the PCB grounds do not touch the inside of the case and isolate the TO-220 voltage regulators from the end panels of the case with silicon insulators and use plastic isolators on the metal screws.

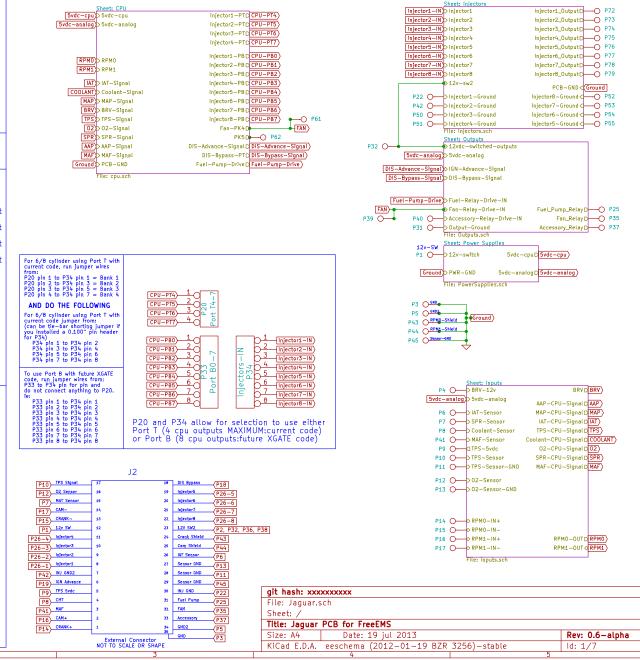
5vdc-cpu = VDD

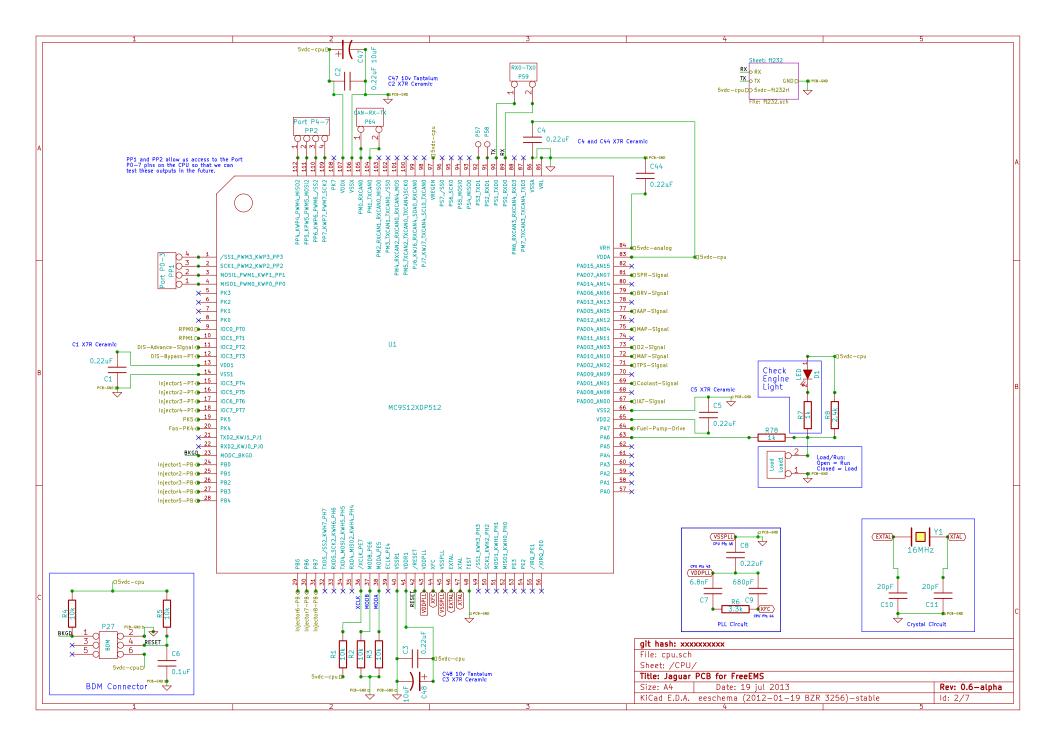
5vdc-analog = VCC

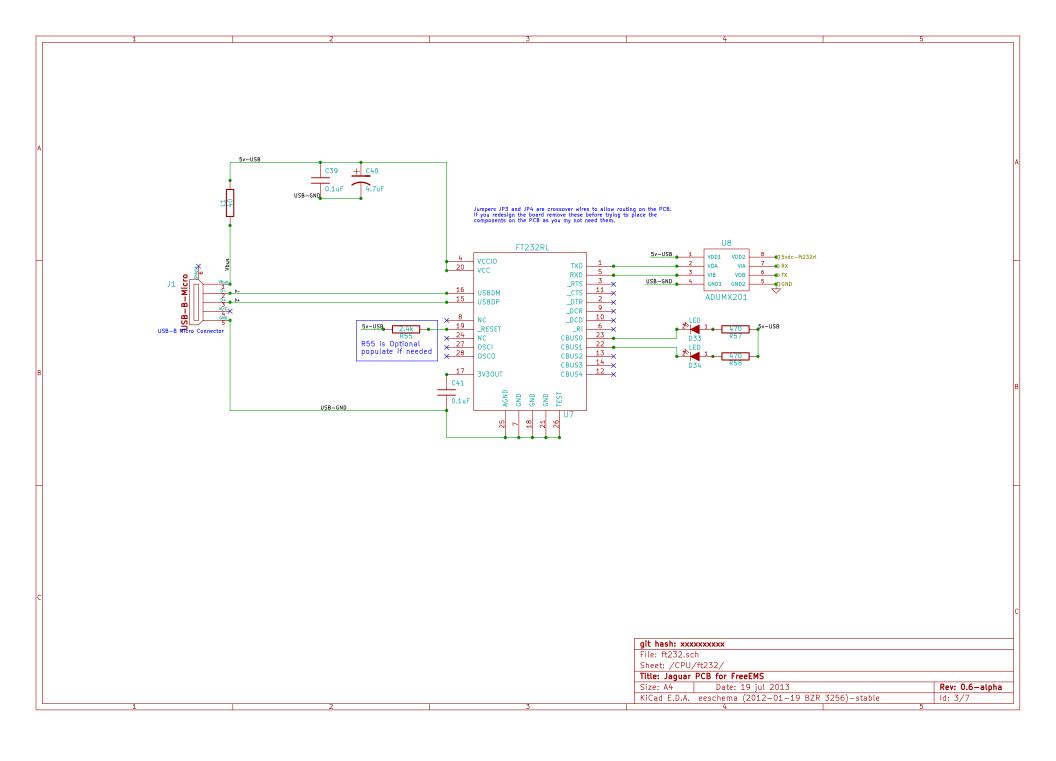
INJ1-GND and INJ2-GND are connected together but isolated from the rest of the PCB grounds and are used by the Injector # 1 & 2 drivers. INJ3-GND and INJ4-GND are connected together but isolated from the rest of the PCB grounds and are used by the Injector # 3 & 4 drivers. INJ5-GND and INJ6-GND are connected together but isolated from the rest of the PCB grounds and are used by the Injector # 5 & 6 drivers. INJ7-GND and INJ8-GND are connected together but isolated from the rest of the PCB grounds and are used by the Injector # 7 & 8 drivers.

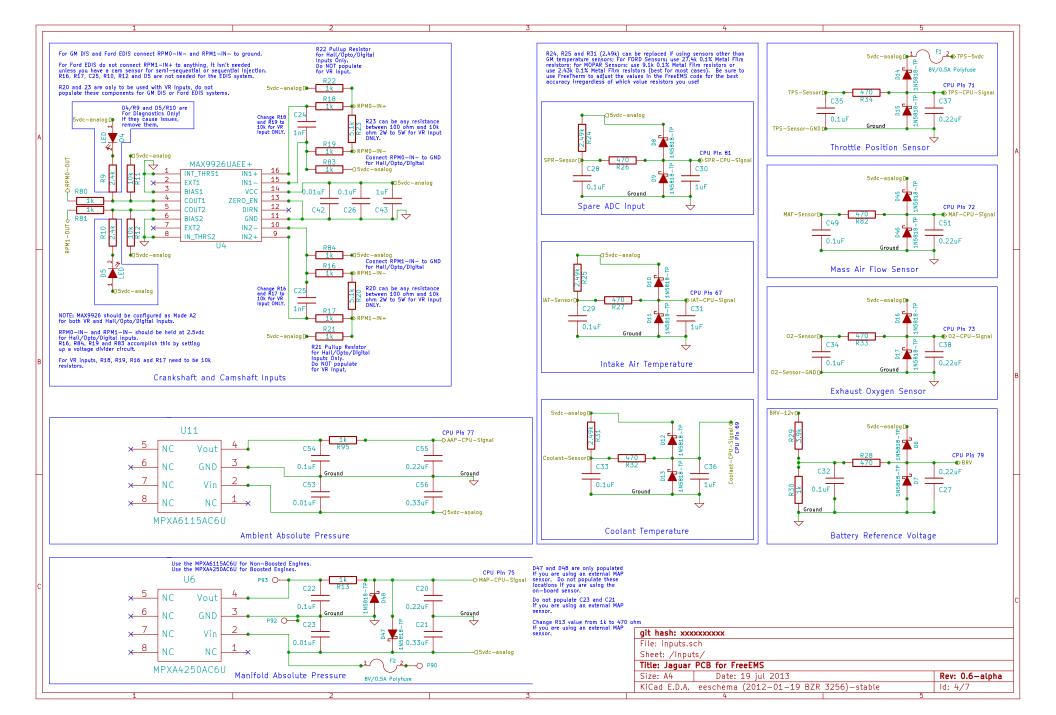
Components that are missing from design changes:

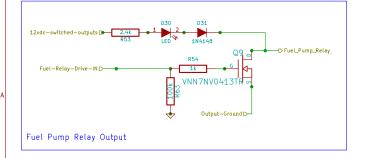
C45, C46, C50, D3, D32, R14, R15, R56, R59, R60, R61, R62, R64, R65, R79, R85, R86, R93, R94, R96, R97, R98, R99, U5, U10

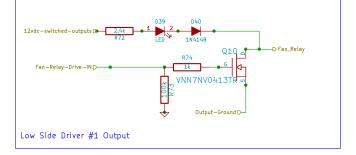


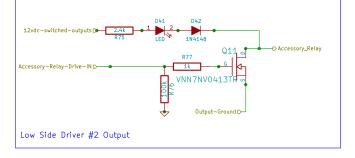


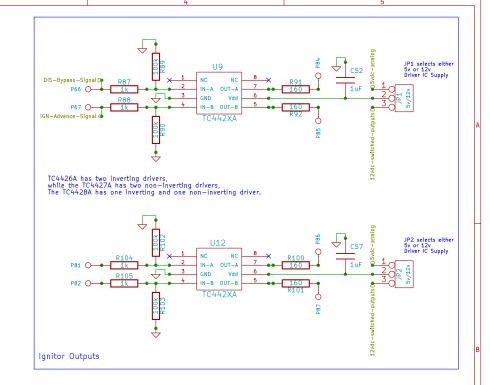












git hash: xxxxxxxxxxx

File: Outputs.sch
Sheet: /Outputs/

Title: Jaguar PCB for FreeEMS

Size: A4 Date: 19 jul 2013 Rev: 0.6-alpha
KiCad E.D.A. eeschema (2012-01-19 BZR 3256)-stable Id: 5/7

