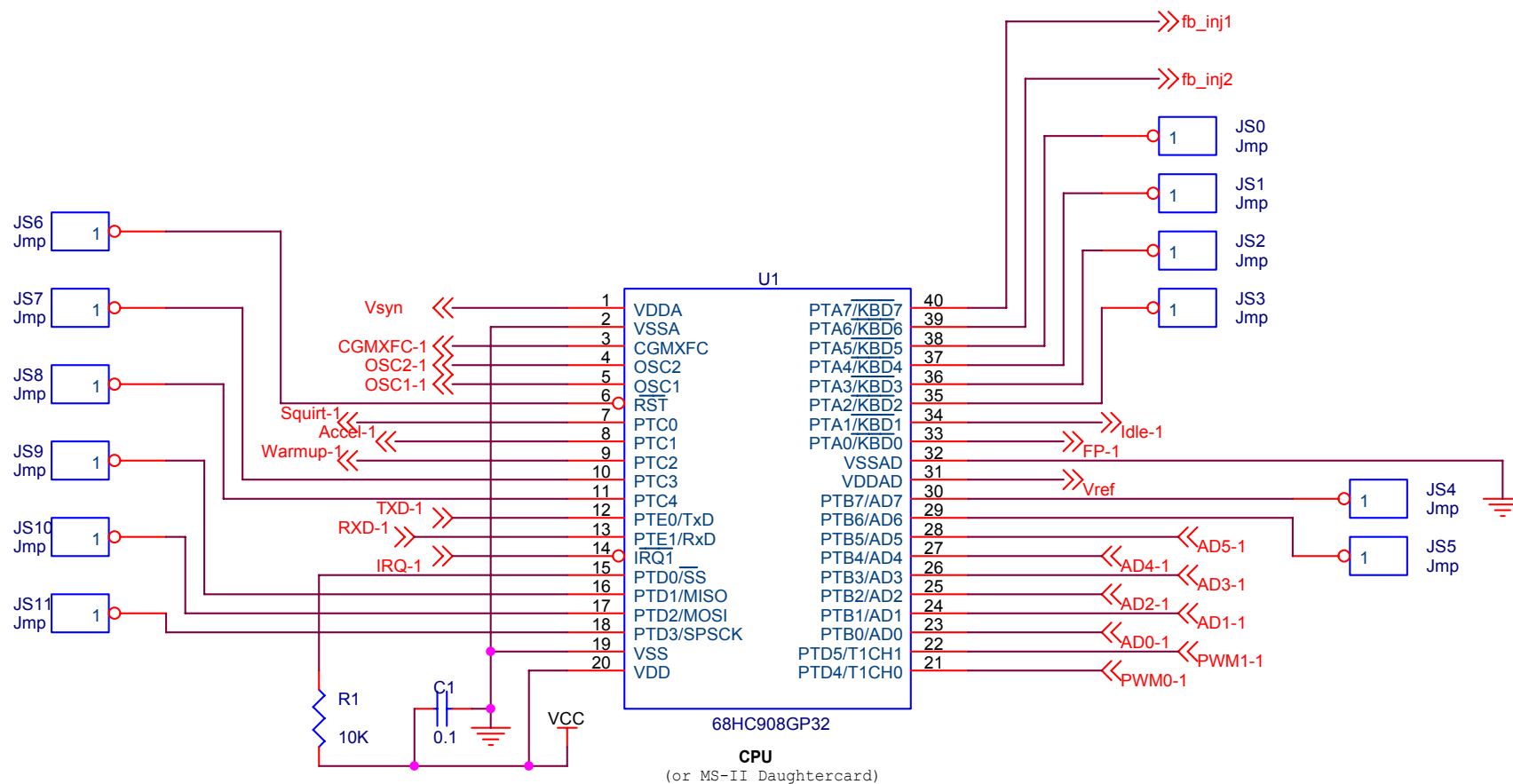


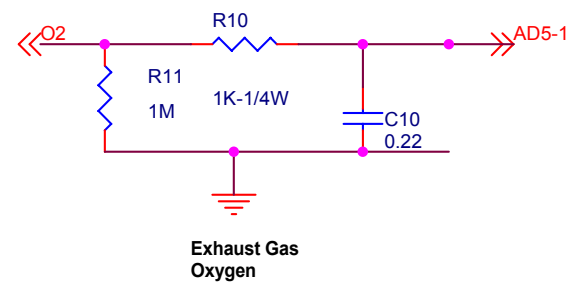
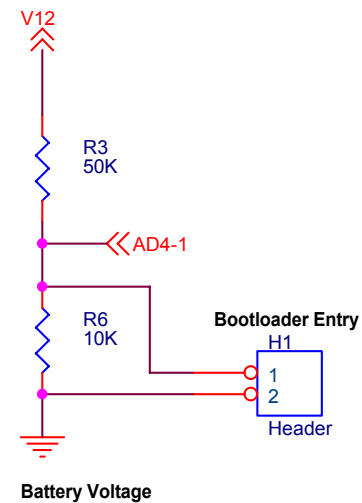
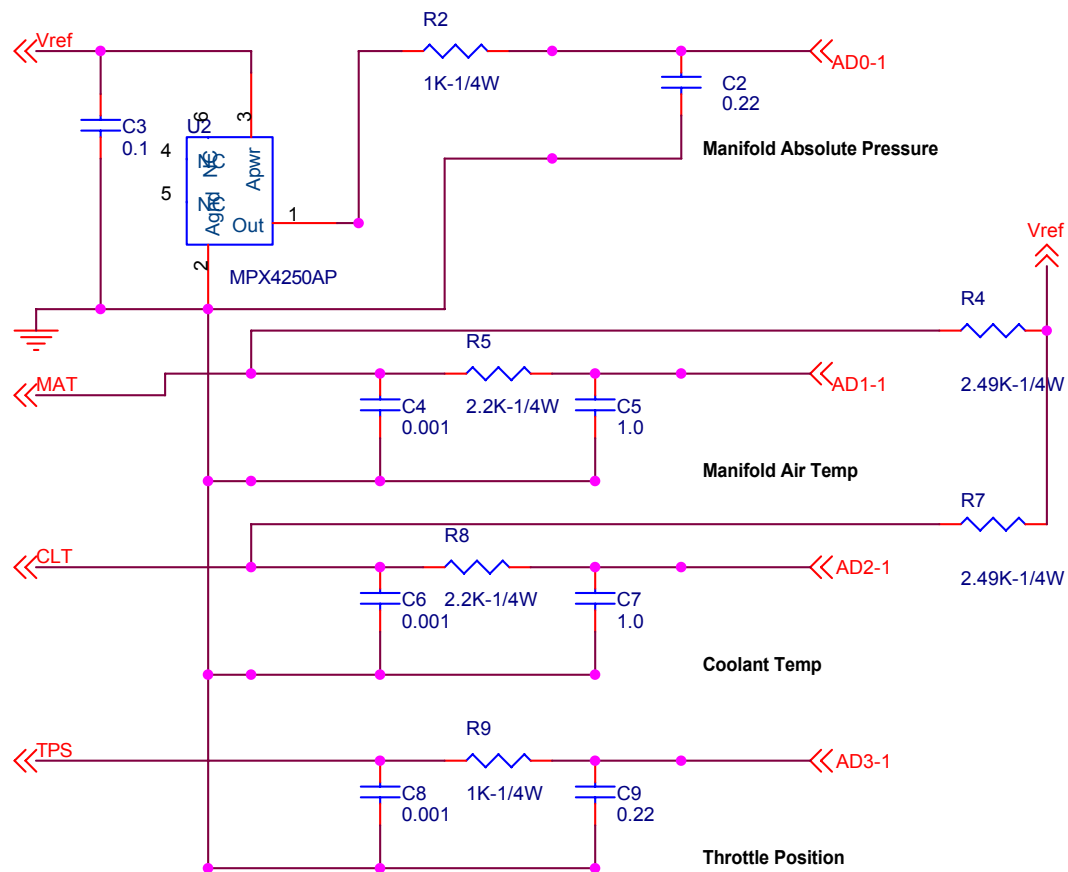


Note 1: For MS-II daughtercard implementation, the following signals apply to DIP-40 socket:

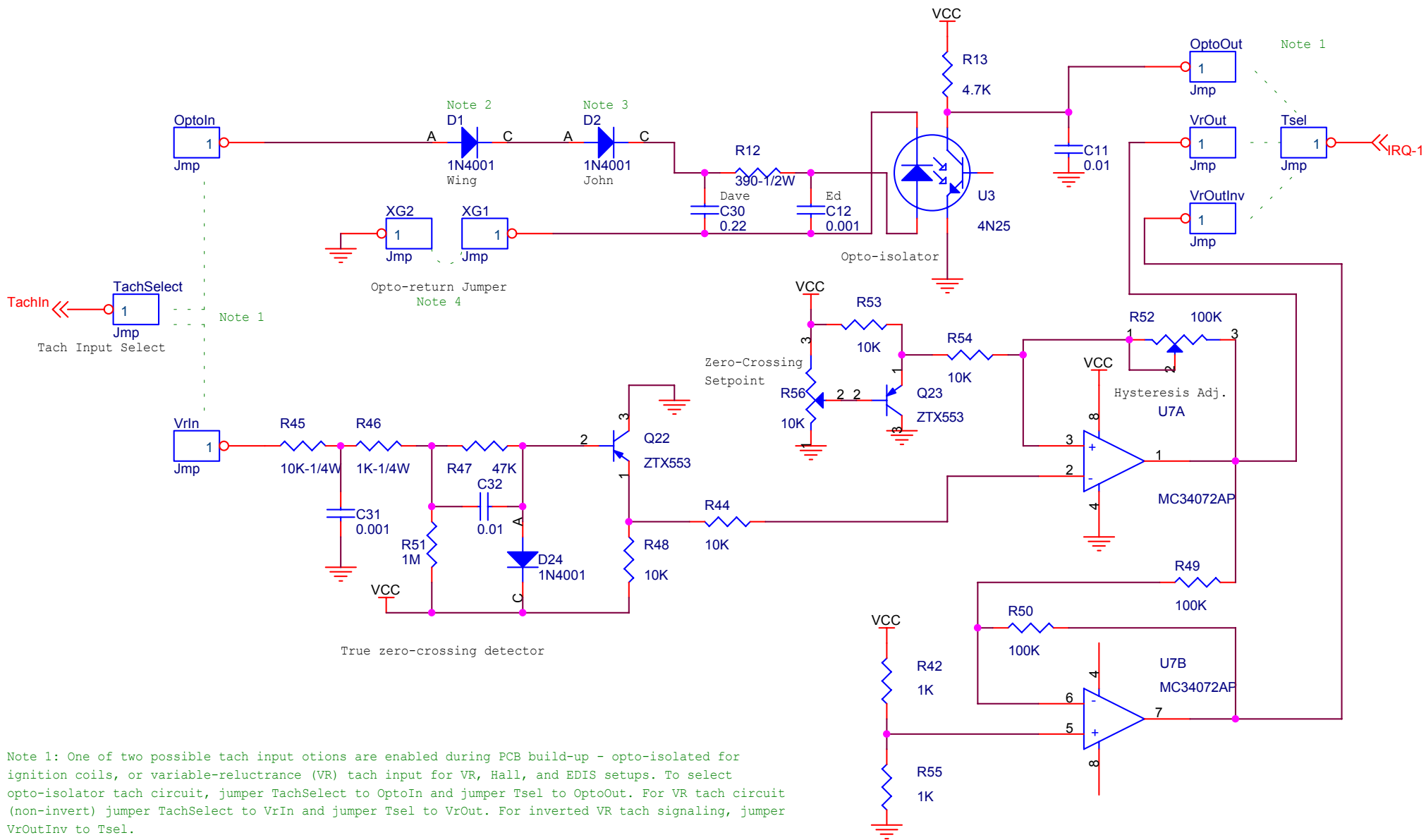
- 6 - CANHout
- 11 - CANLout
- 16 - V12 for IAC stepper
- 17 - IGN
- 18 - Knk Window
- 35 - IAC2B
- 36 - IAC2A
- 37 - IAC1B
- 38 - IAC1A

Note 2: Jumper location JS9 (pin 16) tied to +12V for MS-II CPU board implementation for enabling IAC stepper driver.

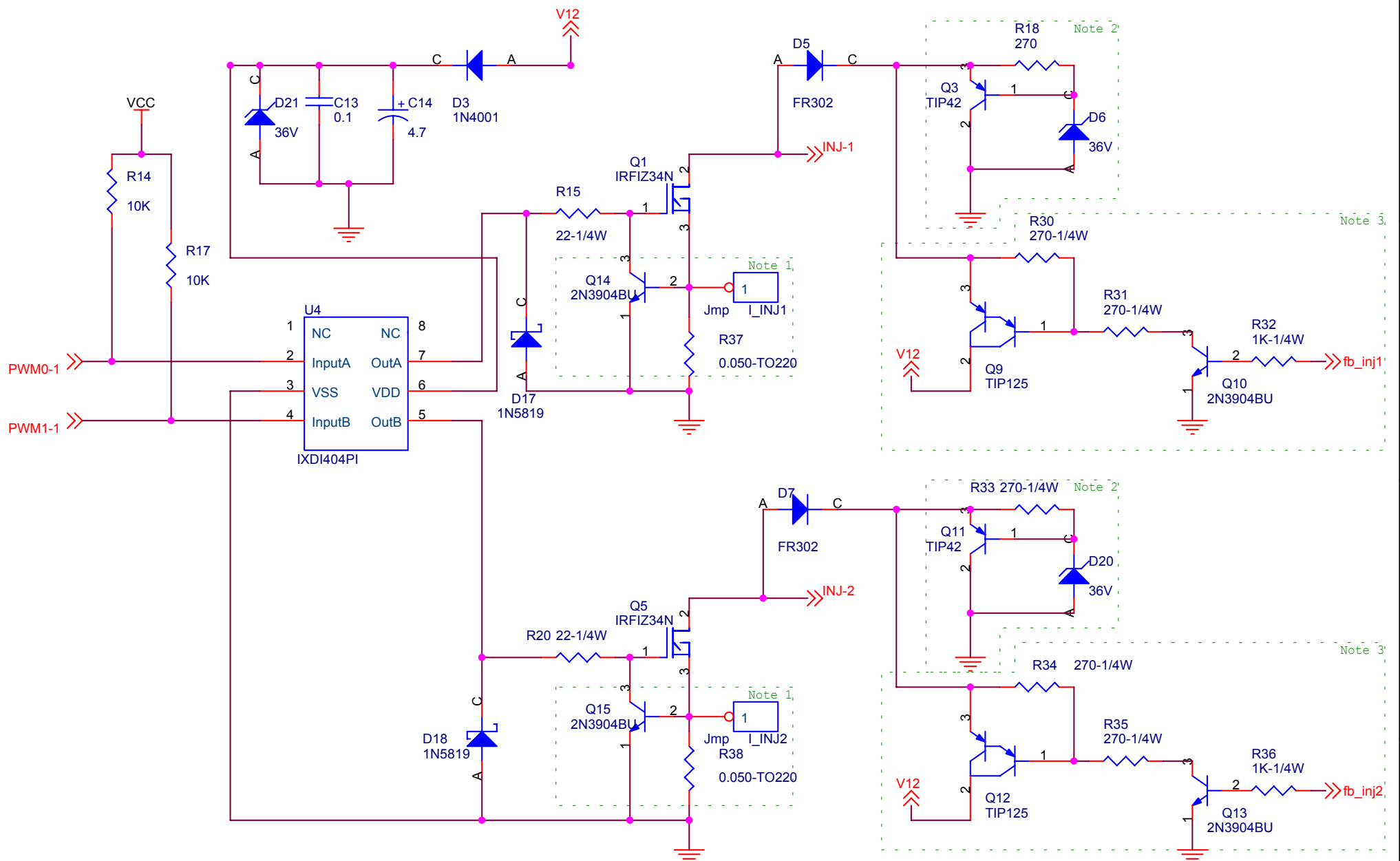
Title		
Megasquirt - CPU - B. A. Bowling		
Size	Document Number	Rev
A	Rev 3.00 _ Mod Nov 2004	3.0
Date:	Tuesday, June 14, 2005	Sheet 1 of 8



Title		
Megasquirt - Input		
Size	Document Number	Rev
A	Rev 3.00	3.0
Date:	Tuesday, June 14, 2005	Sheet 2 of 8



Title		
Megasquirt - Tach Input		
Size	Document Number	Rev
A	Rev 3,00	3.0
Date:	Tuesday, June 14, 2005	Sheet 3 of 8

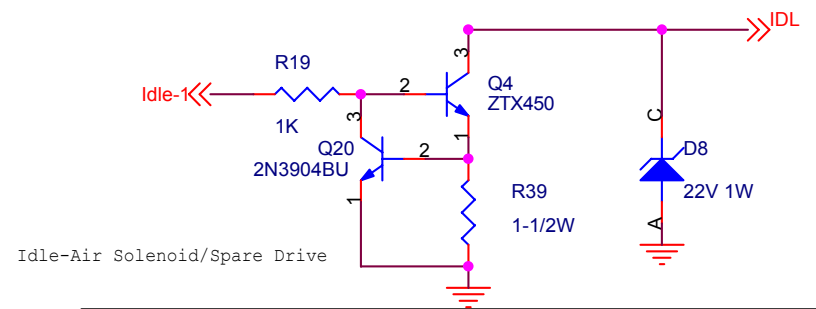
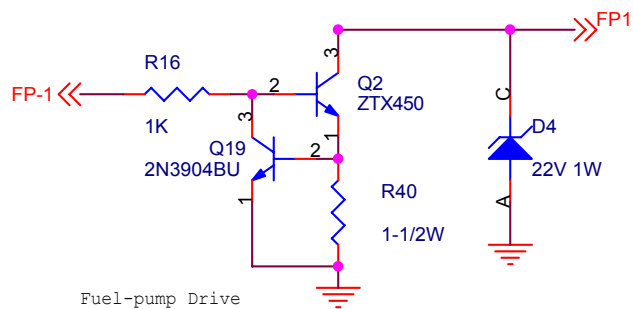
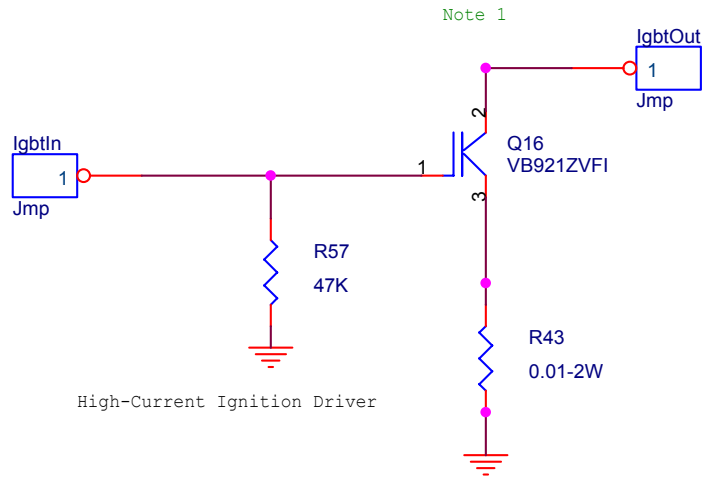


Note 1: Current limit circuit for driver FET protection. Clamp current set to ~14 amps. Circuit can be omitted if protection is not required or desired - in this case install jumper in place of R37 and R38

Note 2: Active flyback clamp circuit. If using avalanche-rated FETs for Q1/Q5 then circuit can be omitted. Clamp voltage equals zener avalanche voltage.

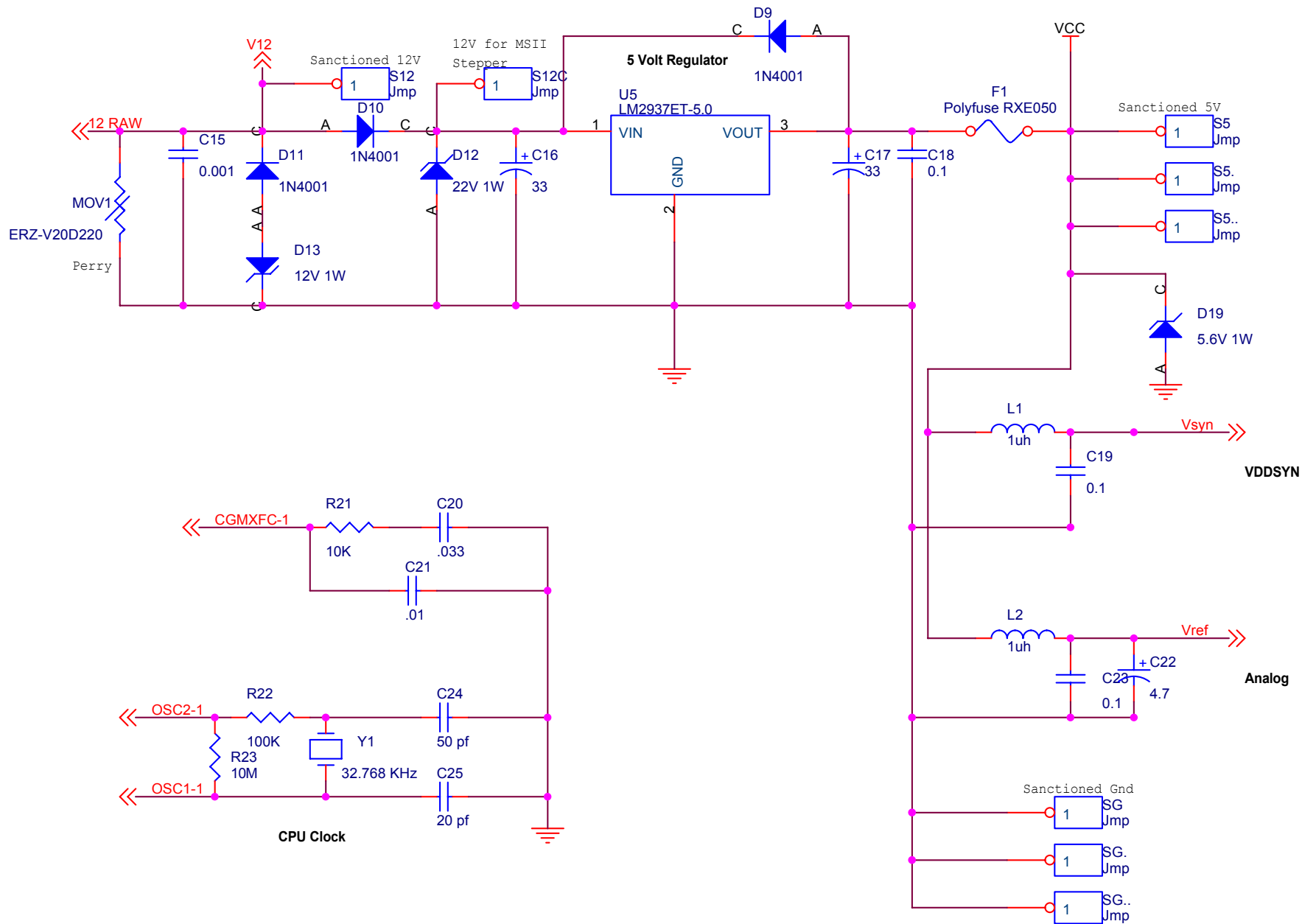
Note 3: Flyback PWM damping circuit. Curcuit can be omitted if PWM current limiting not used.

Title		
Megasquirt - Output Injector		
Size	Document Number	Rev
A	Rev 3.0	3.0
Date:	Tuesday, June 14, 2005	Sheet 4 of 8

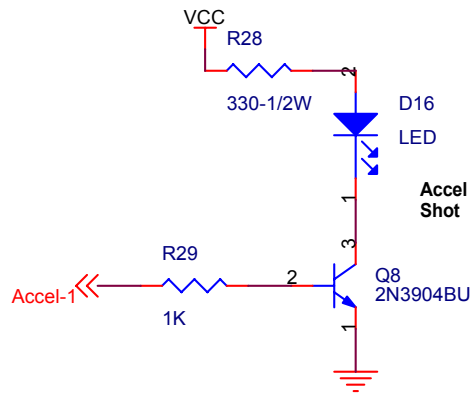
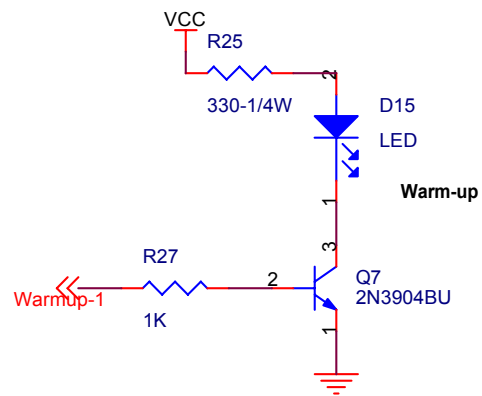
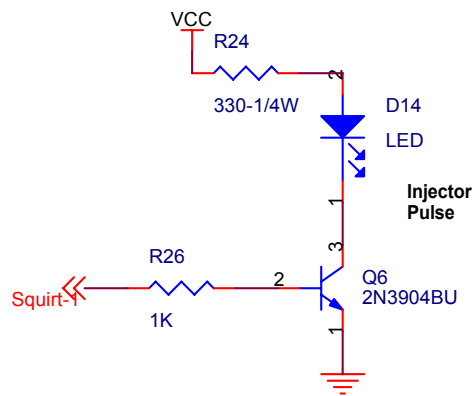


Note 1: High-power ignition drive, optional circuit - populate only if implementing drive.
 Note 2: R57 may need to be increased to 100K or higher for VB921 use.

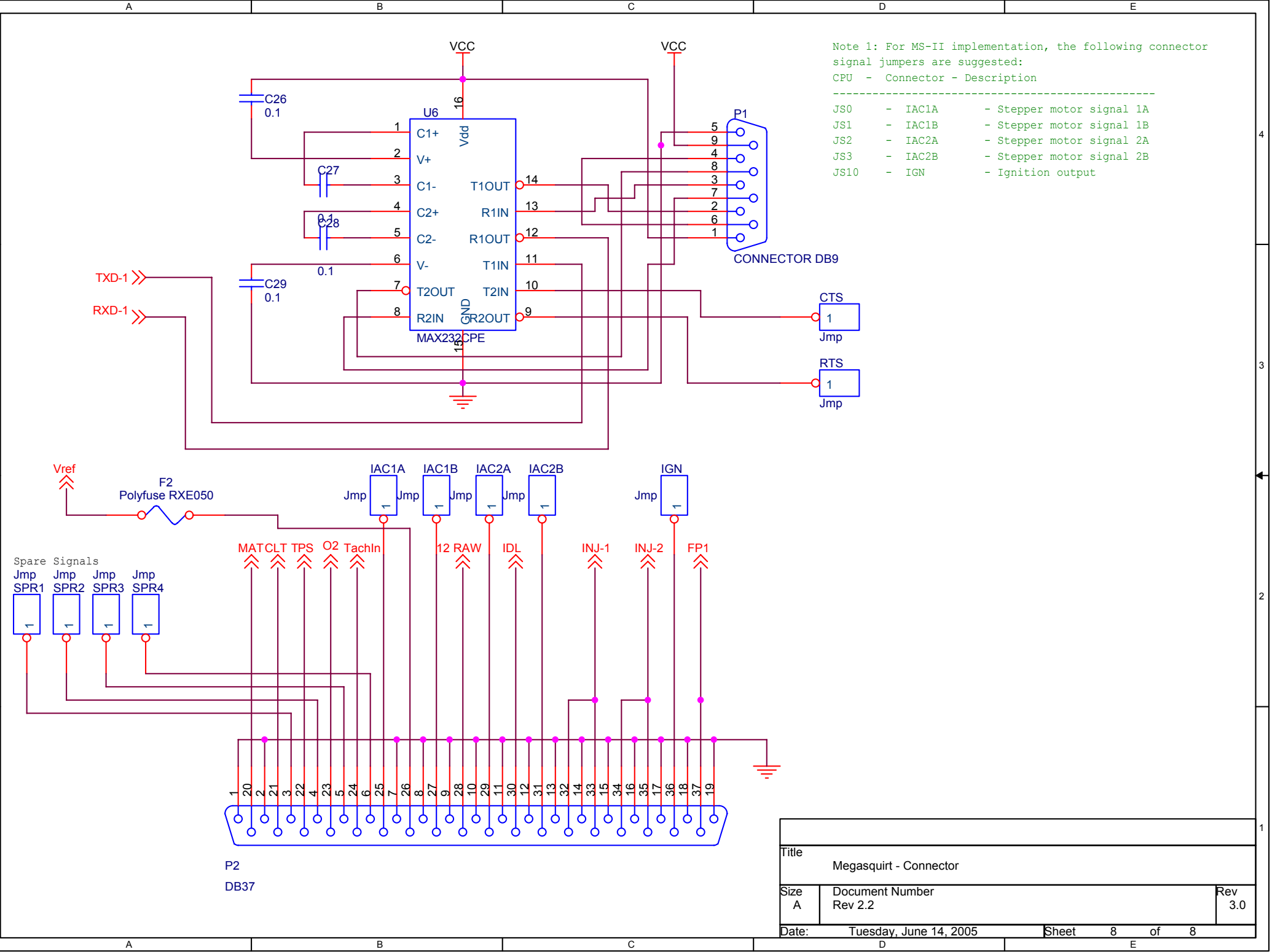
Title		
Megasquirt - Output Other		
Size	Document Number	Rev
A	Rev 2.2	3.0
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Title		
Megasquirt - Power		
Size	Document Number	Rev
A	Rev 2.2	3.0
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Title		
MegaSquirt - LED Indicators		
Size	Document Number	Rev
A	Rev 2.2	3.0
Date:	Tuesday, June 14, 2005	Sheet 7 of 8



Note 1: For MS-II implementation, the following connector
signal jumpers are suggested:
CPU - Connector - Description

JS0 - IAC1A - Stepper motor signal 1A
JS1 - IAC1B - Stepper motor signal 1B
JS2 - IAC2A - Stepper motor signal 2A
JS3 - IAC2B - Stepper motor signal 2B
JS10 - IGN - Ignition output

Title		
Megasquirt - Connector		
Size	Document Number	Rev
A	Rev 2.2	3.0
Date: Tuesday, June 14, 2005		
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