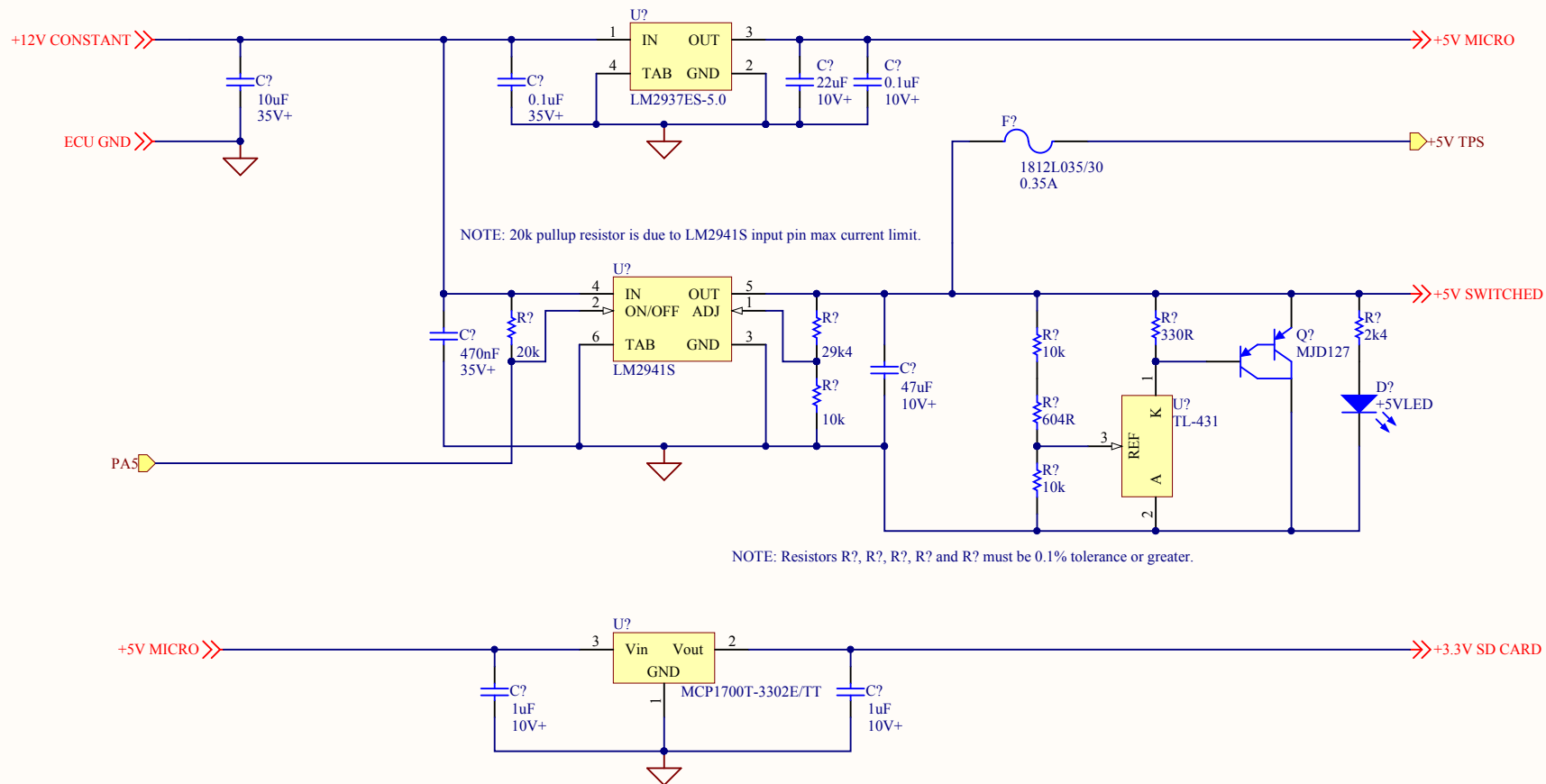
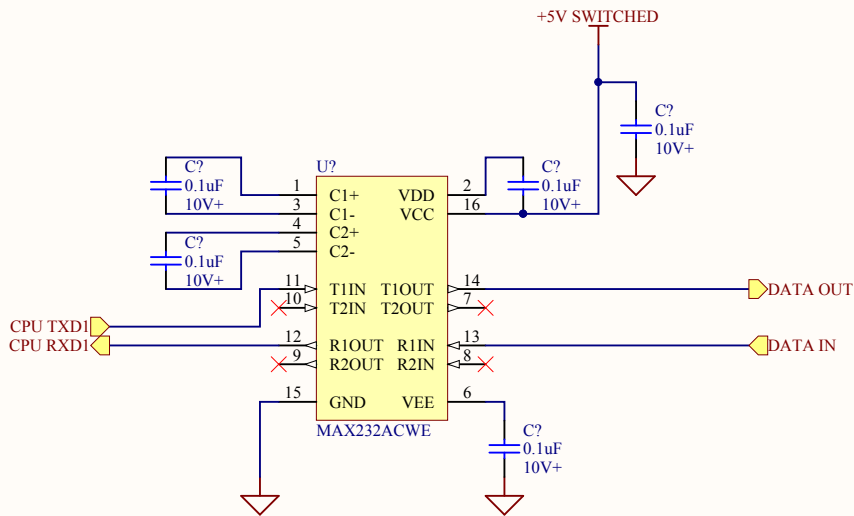
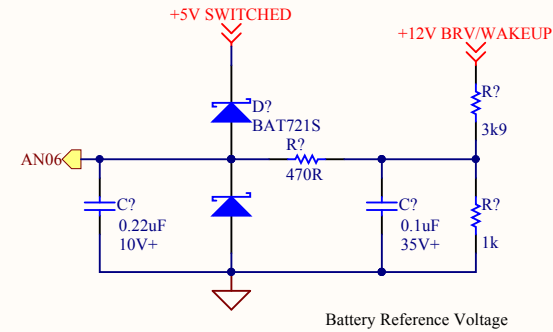
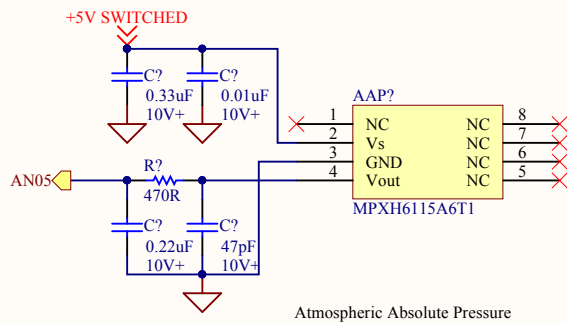
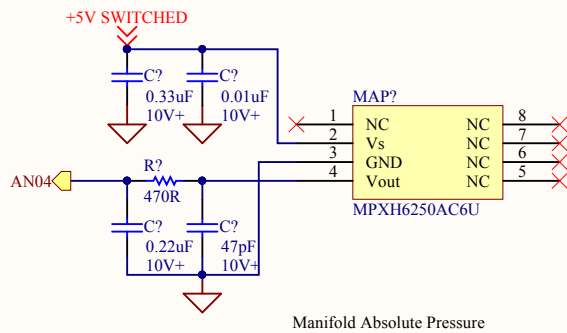
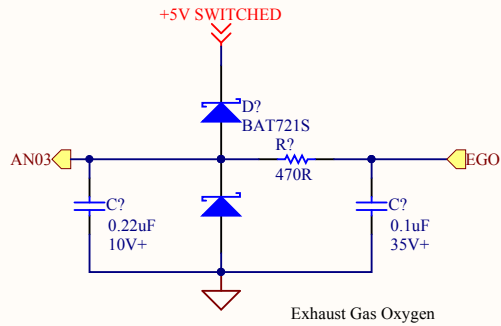
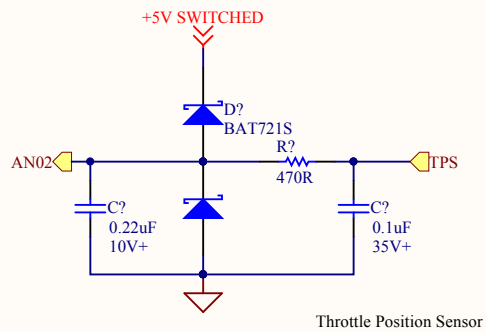
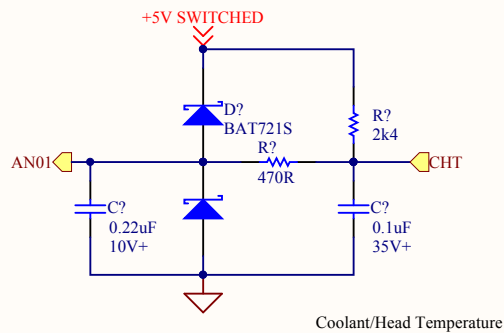


Please refer to [NOTES.md](#) and [ERRATA.md](#) files for important design information.







SENSOR GND

Title **RB25DET - Core Analogue Inputs**

Size: **A4**

Number: **A**

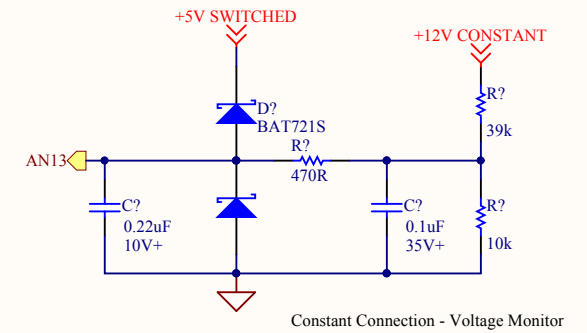
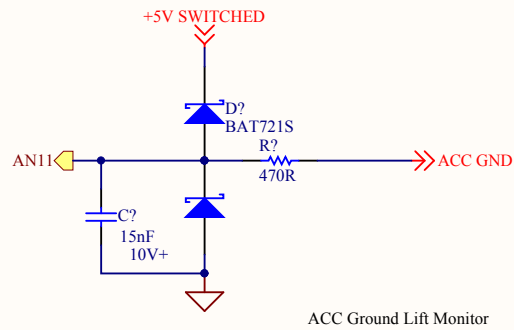
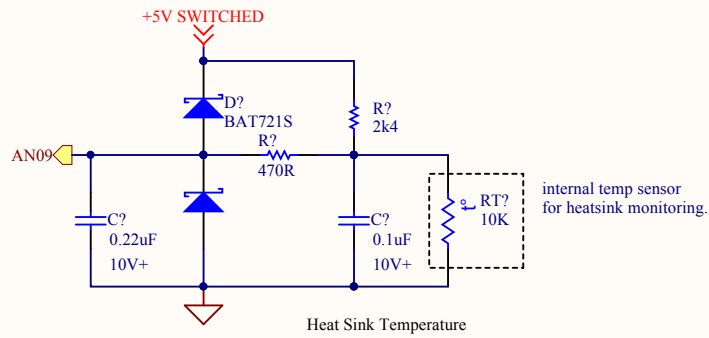
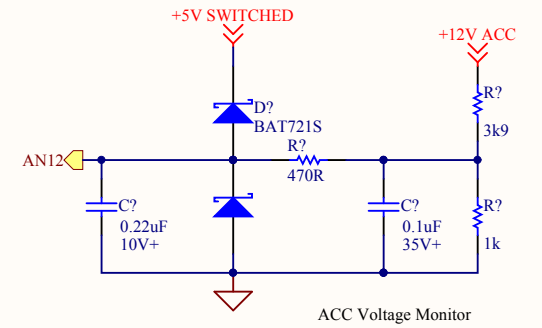
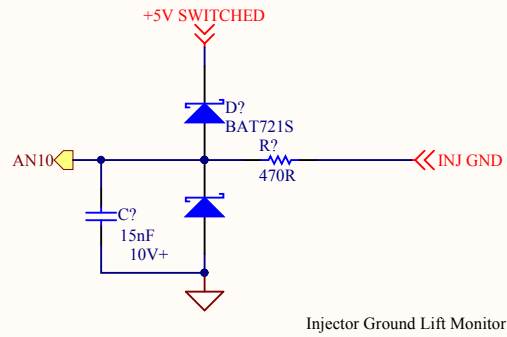
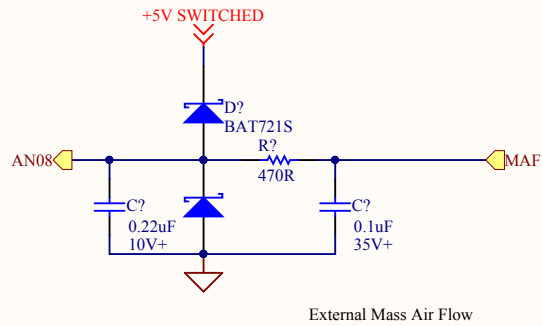
Revision: **0.1**

Date: **2/09/2013**

Time: **10:03:48 AM** Sheet **5** of **14**

Drawn By:
Dan Visser

Altium



Title **RB25DET - Extra Analogue Inputs**

Size: A4

Number: A

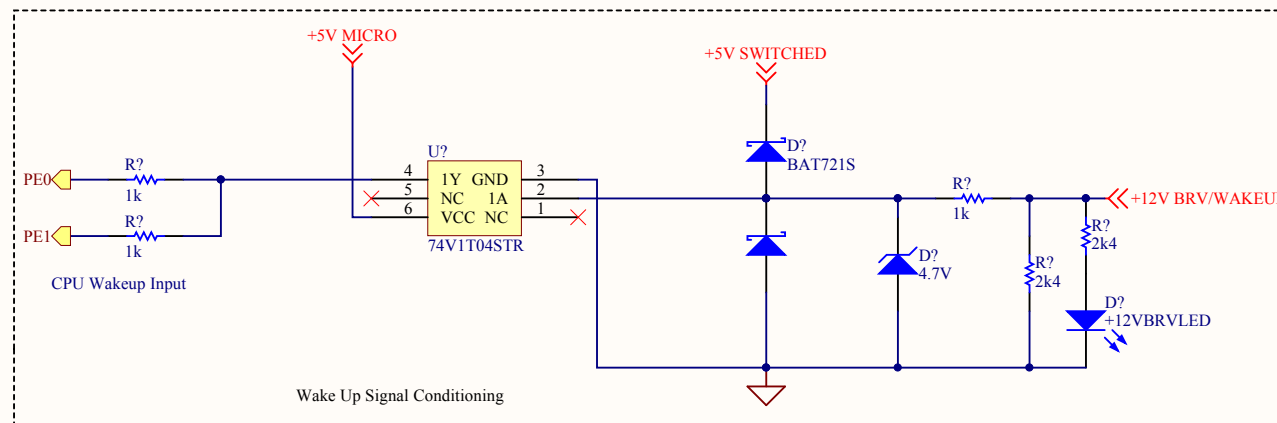
Revision: 0.1

Date: 2/09/2013

Time: 10:03:48 AM Sheet 6 of 14


Drawn By:
Dan Visser

Altium

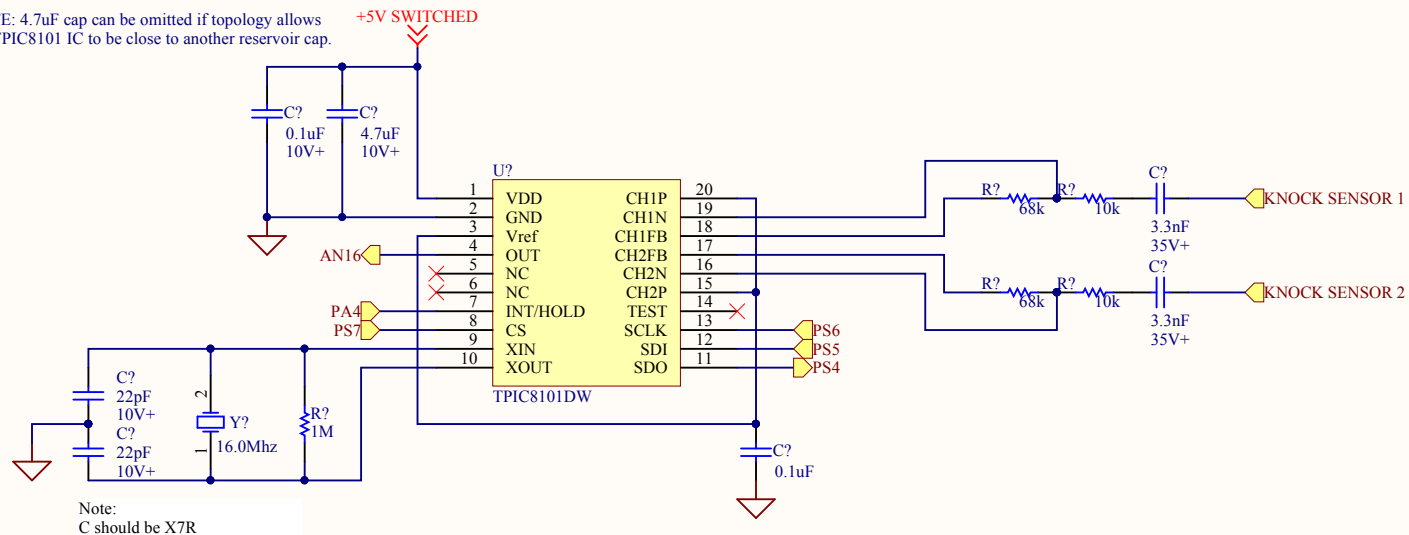


Title RB25DET - Digital Inputs			Drawn By: <i>Dan Visser</i>	
Size: A4	Number: A	Revision: 0.1		
Date: 2/09/2013	Time: 10:03:48 AM	Sheet 7 of 14		

1	2	3	4
A			A
B			B
C			C
D			D
1	2	3	4

Title RB25DET - CAS Interface			Drawn By: Dan Visser	
Size: A4	Number: A	Revision: 0.1		
Date: 2/09/2013	Time: 10:03:48 AM	Sheet 8 of 14		

NOTE: 4.7uF cap can be omitted if topology allows the TPIC8101 IC to be close to another reservoir cap.



Title **RB25DET - Knock Sensing**

Size: **A4**

Number: **A**

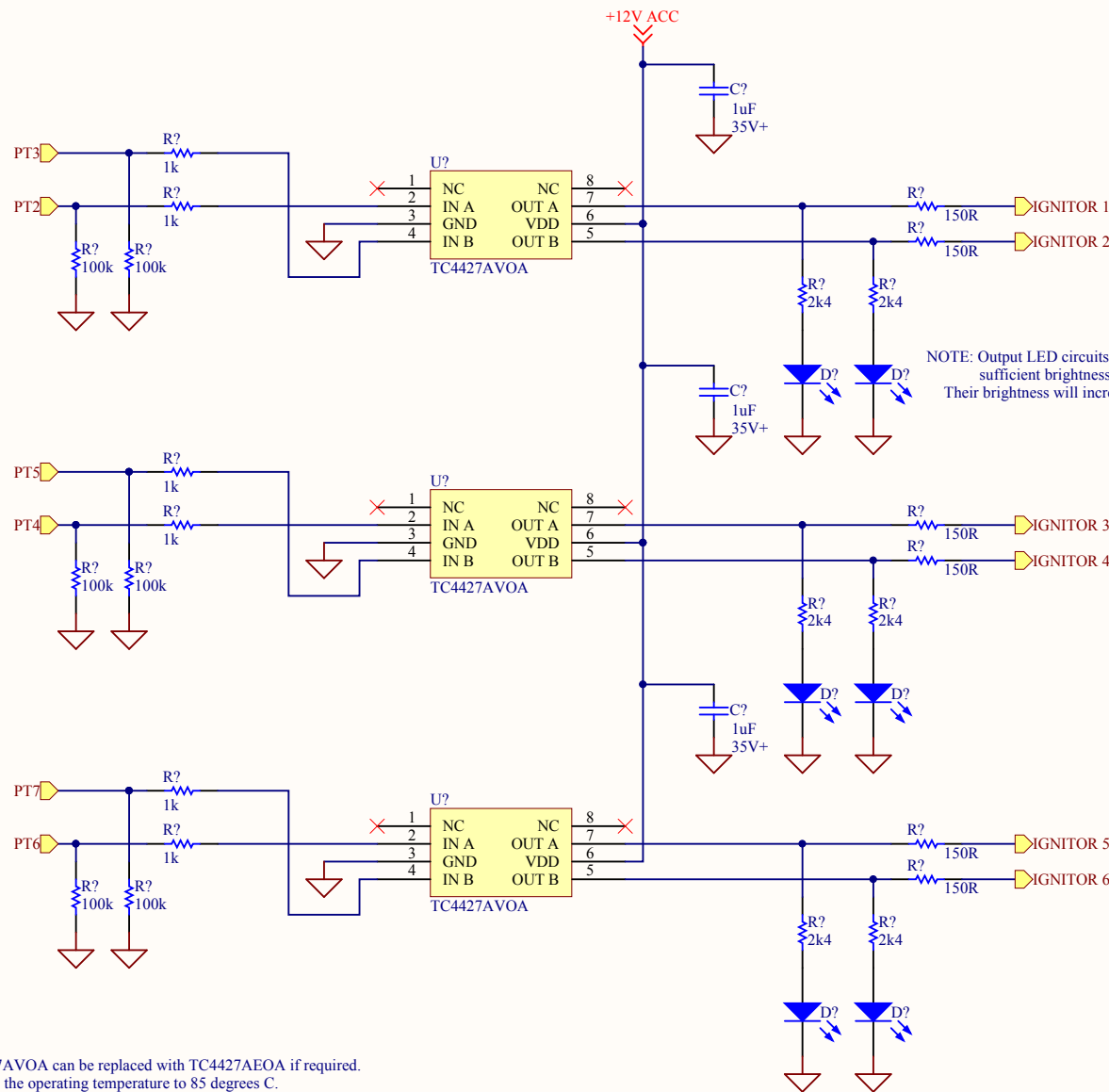
Revision: **0.1**

Date: **2/09/2013**

Time: **10:03:48 AM** Sheet **9** of **14**

Drawn By:
Dan Visser





NOTE: TC4427AVOA can be replaced with TC4427AE0A if required. This will derate the operating temperature to 85 degrees C.

Title **RB25DET - Ignitor Outputs**

Size: A4

Number: A

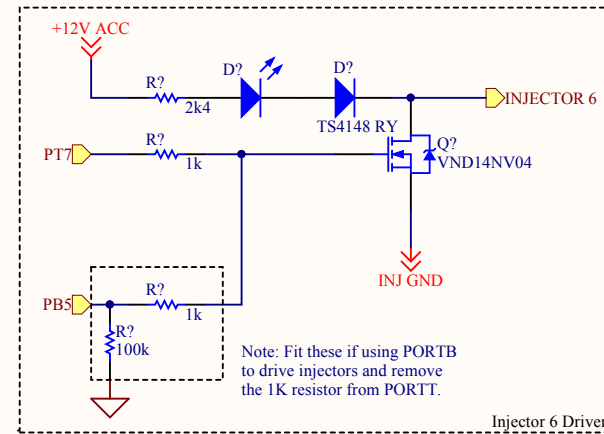
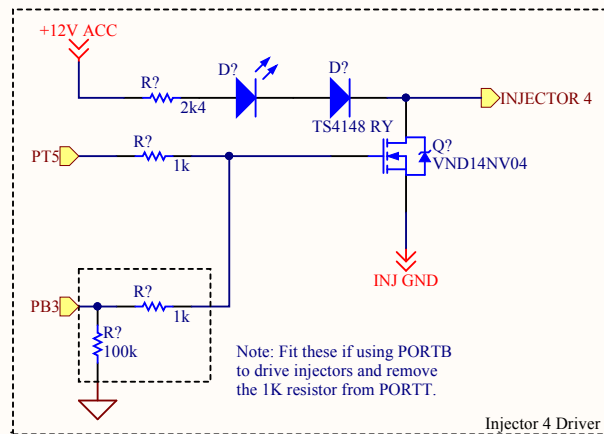
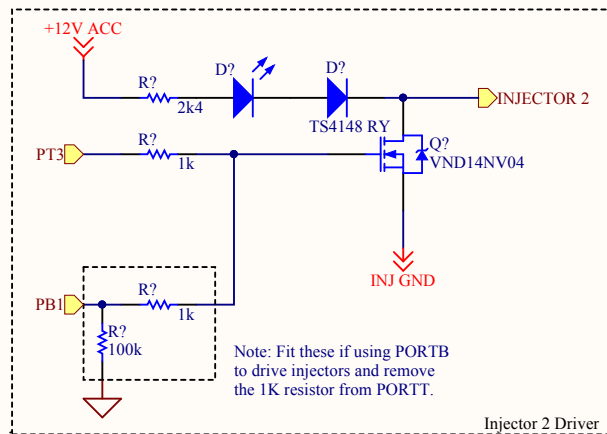
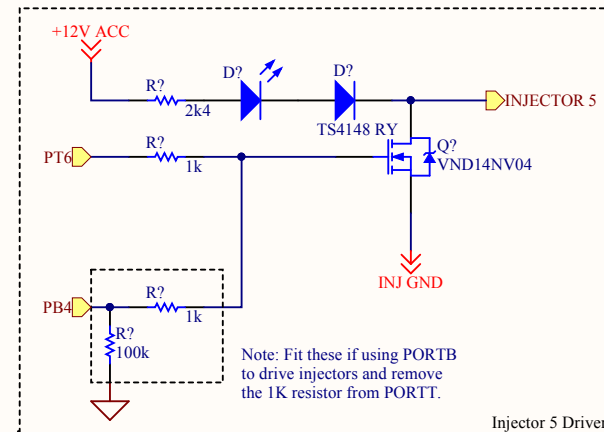
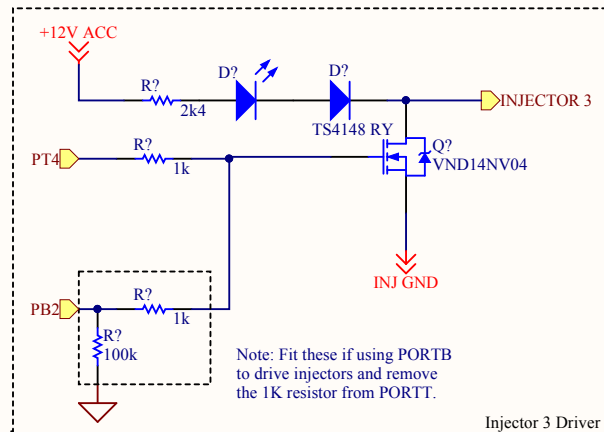
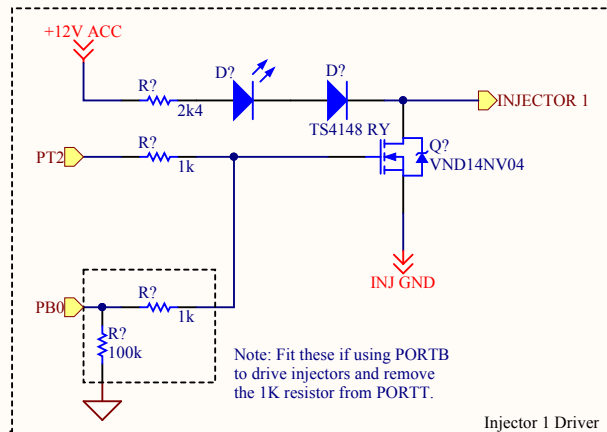
Revision: 0.1

Date: 2/09/2013

Time: 10:03:48 AM Sheet 10 of 14

Drawn By:
Dan Visser

Altium



Title **RB25DET - Injectors**

Size: **A4**

Number: **A**

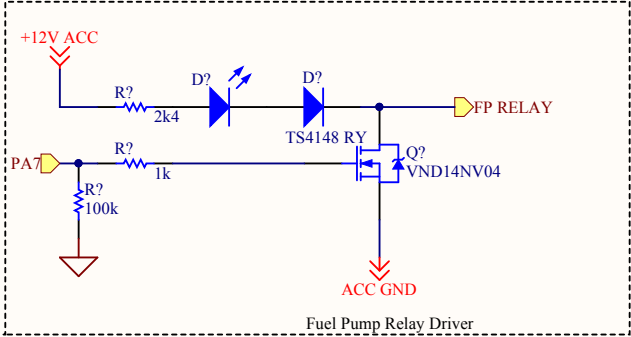
Revision: **0.1**

Date: **2/09/2013**

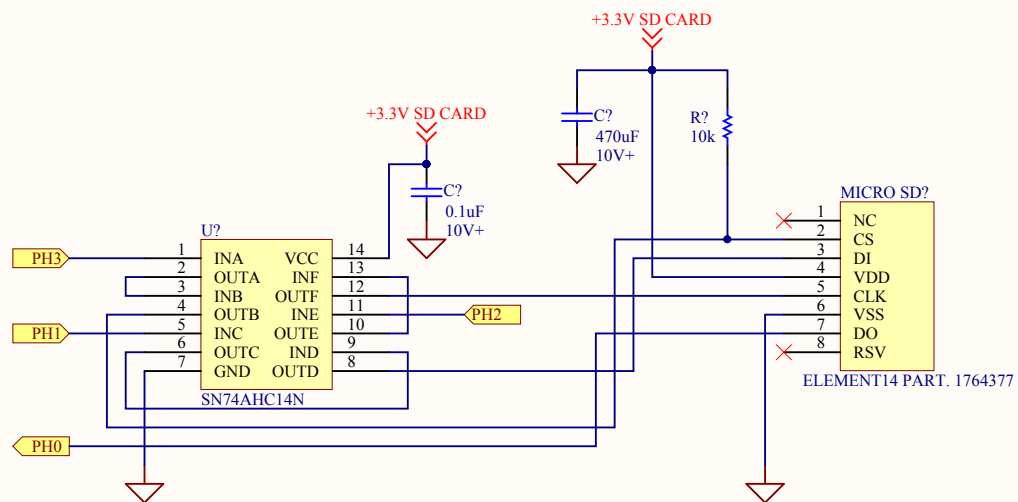
Time: **10:03:49 AM** Sheet **11** of **14**


Drawn By:
Dan Visser

Altium



Title RB25DET - Low Side Drivers			Drawn By: Dan Visser	
Size: A4	Number: A	Revision: 0.1		
Date: 2/09/2013	Time: 10:03:49 AM	Sheet 12 of 14		



Title RB25DET - SD Card Interface			Drawn By: <i>Dan Visser</i>	
Size: A4	Number: A	Revision: 0.1		
Date: 2/09/2013	Time: 10:03:49 AM	Sheet 13 of 14		

A

B

C

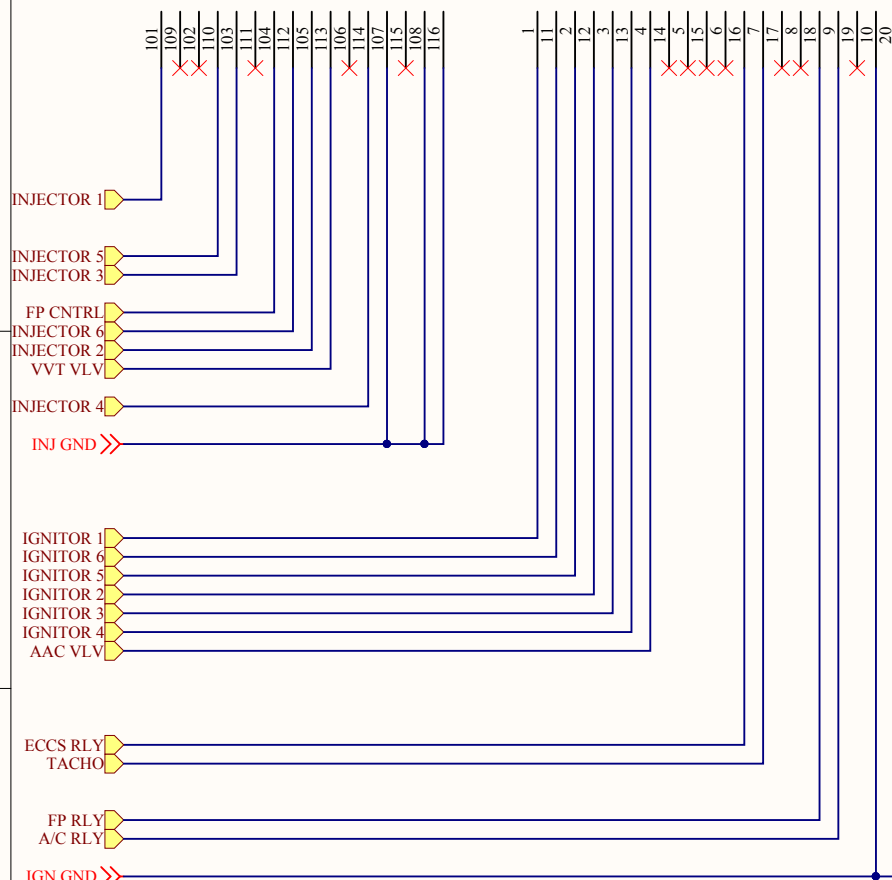
D

A

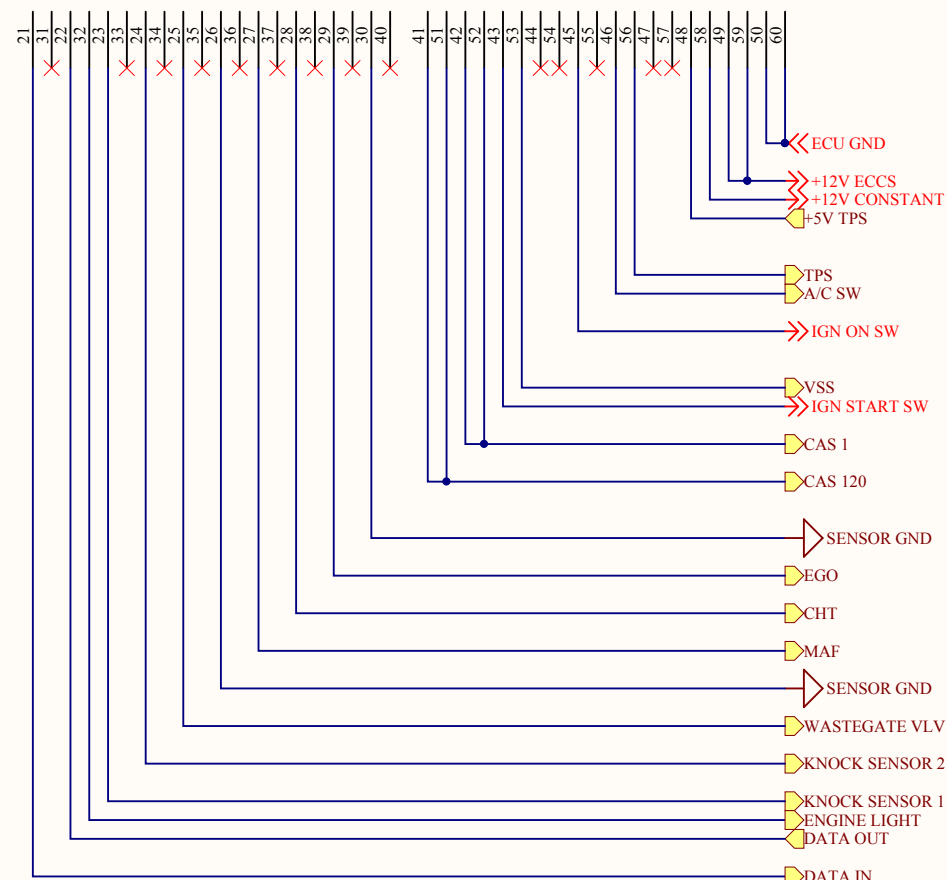
B

C

D



76 PIN ECCS Header



Title RB25DET - Connector			Drawn By: Dan Visser	
Size: A4	Number: A	Revision: 0.1		
Date: 2/09/2013	Time: 10:03:49 AM	Sheet 14 of 14		

