

NOTE: 20k pullup resistor is due to LM2941S input pin max current limit.

NOTE: Resistors R?, R?, R?, R? and R? must be 0.1% tolerance or greater.

Title **RB25DET - Power Supplies**

Size: **A4**

Number: **A**

Revision: **0.1**

Date: **09-Sep-13**

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Drawn By:
Dan Visser



1

2

3

4

A

A

B

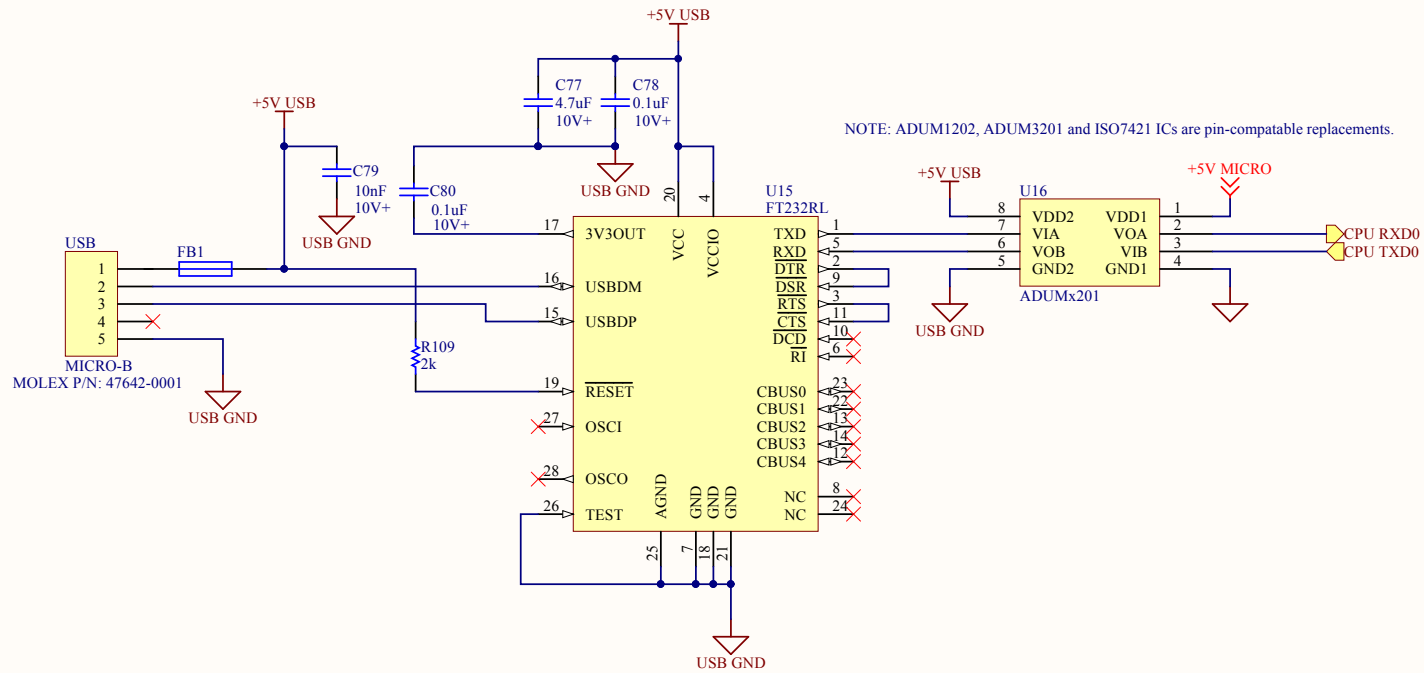
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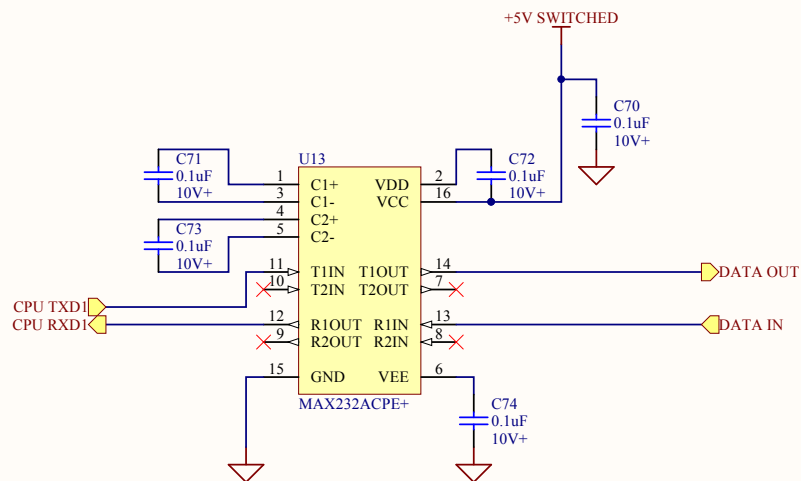
C

C

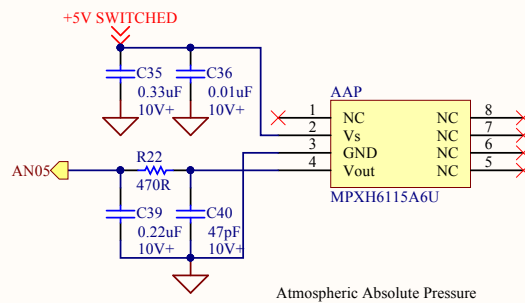
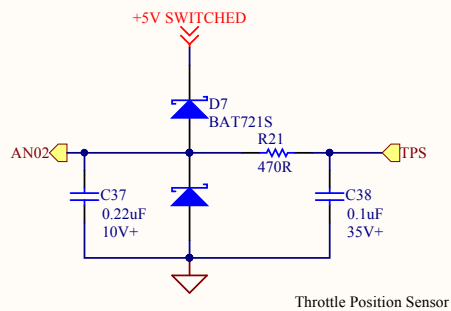
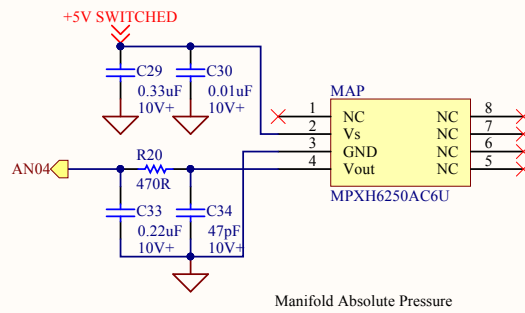
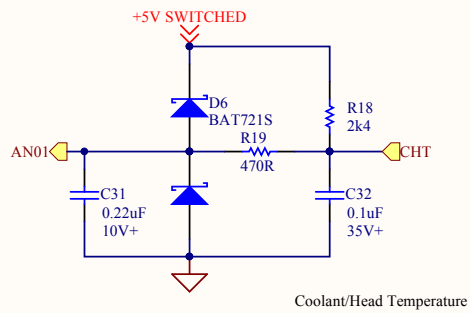
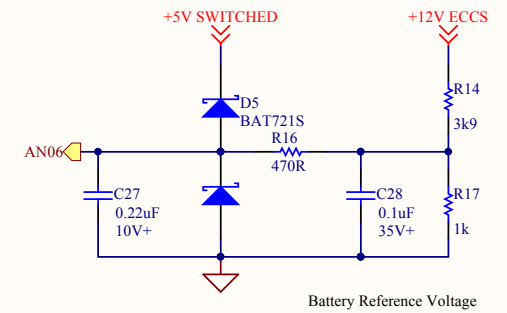
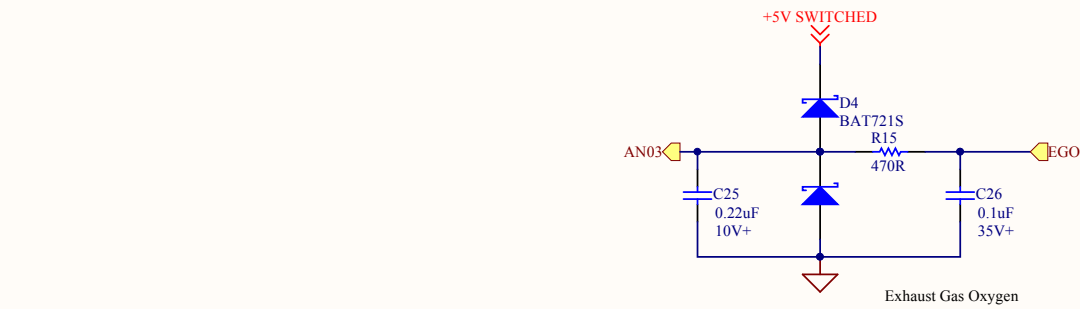
D

D

Title **RB25DET - USB Comms**Size: **A4**Number: **A**Revision: **0.1**Date: **09-Sep-13**Time: **3:33:14 PM** Sheet **3** of **14**Drawn By:
Dan Visser



Title RB25DET - RS232 Comms			Drawn By: Dan Visser	Altium
Size: A4	Number: A	Revision: 0.1		
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SENSOR GND

Title **RB25DET - Core Analogue Inputs**

Size: **A4**

Number: **A**

Revision: **0.1**

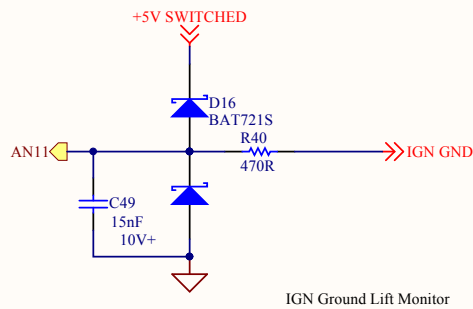
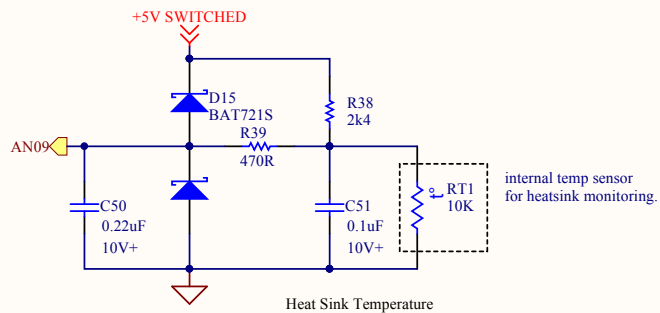
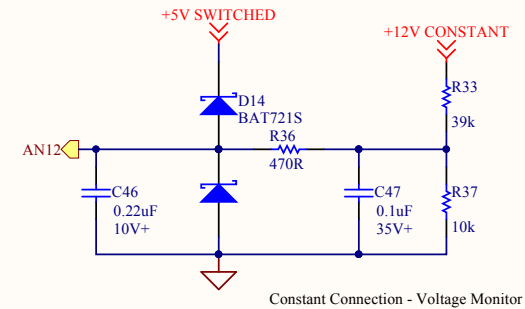
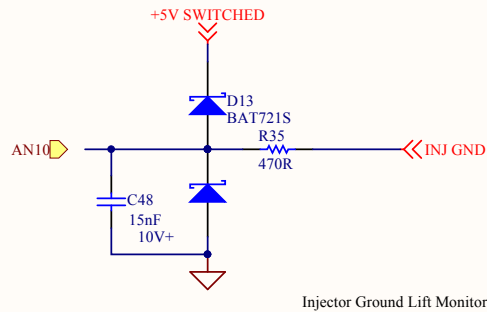
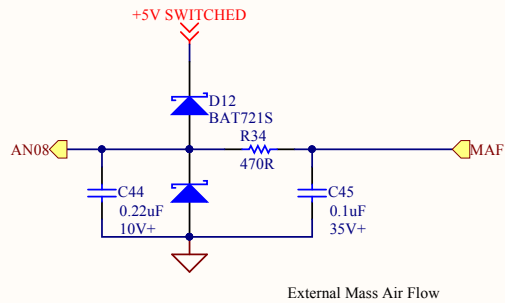
Date: **09-Sep-13**

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Drawn By:
Dan Visser

Altium



Title **RB25DET - Extra Analogue Inputs**

Size: A4

Number: A

Revision: 0.1

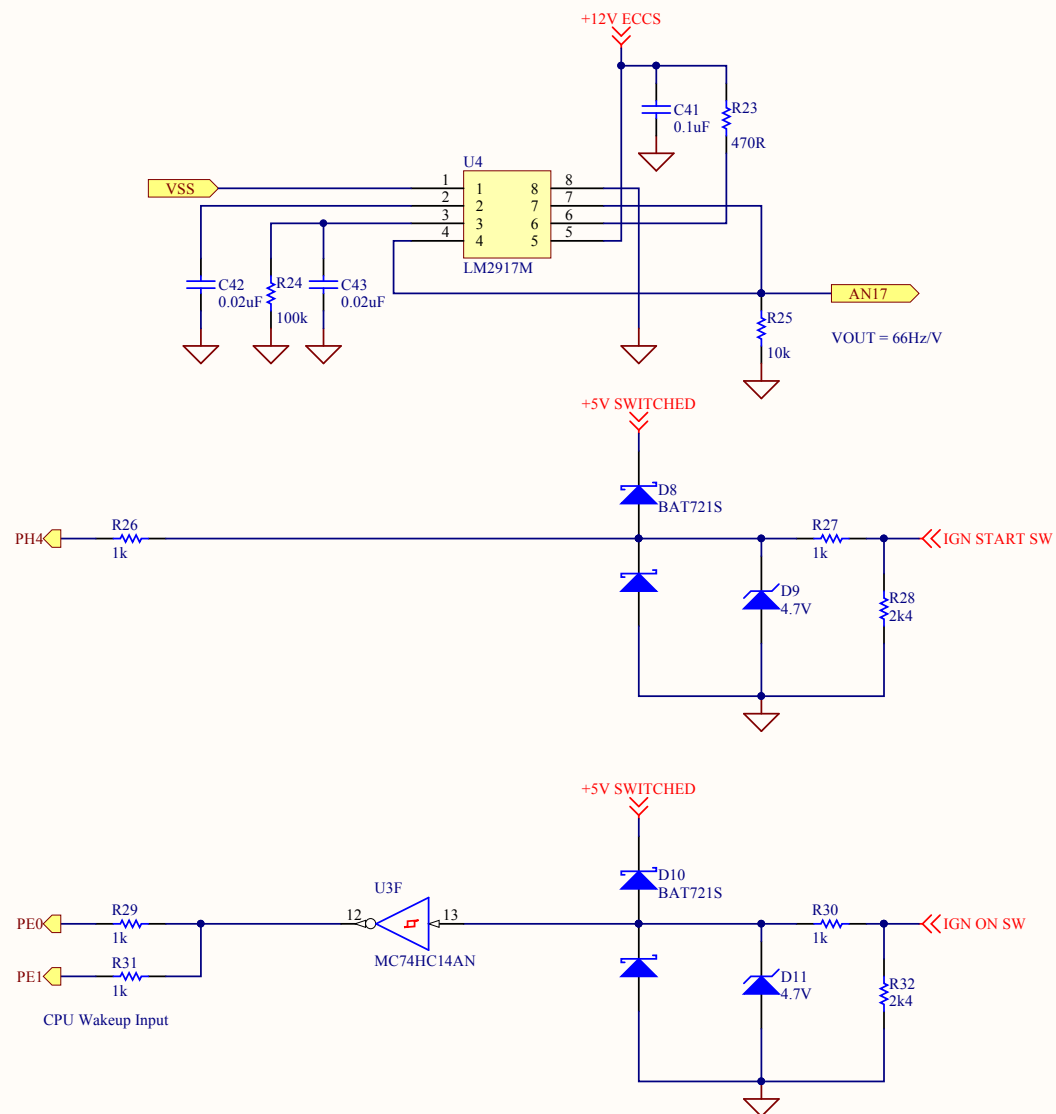
Date: 09-Sep-13

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Drawn By:
Dan Visser





Title **RB25DET - Digital Inputs**

Size: A4

Number: A

Revision: 0.1

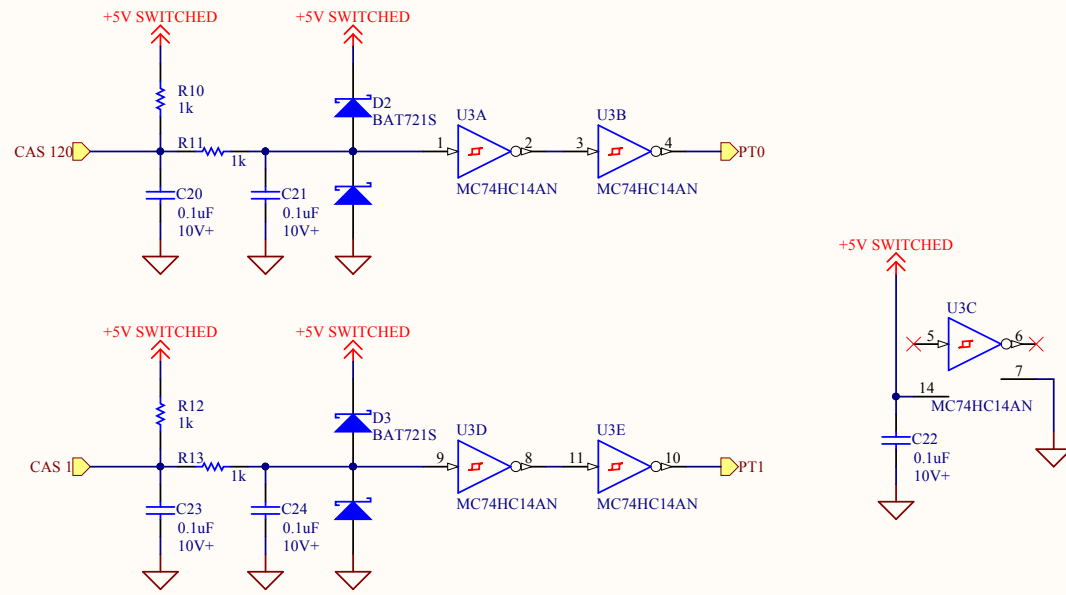
Date: 09-Sep-13

Time: 3:33:14 PM

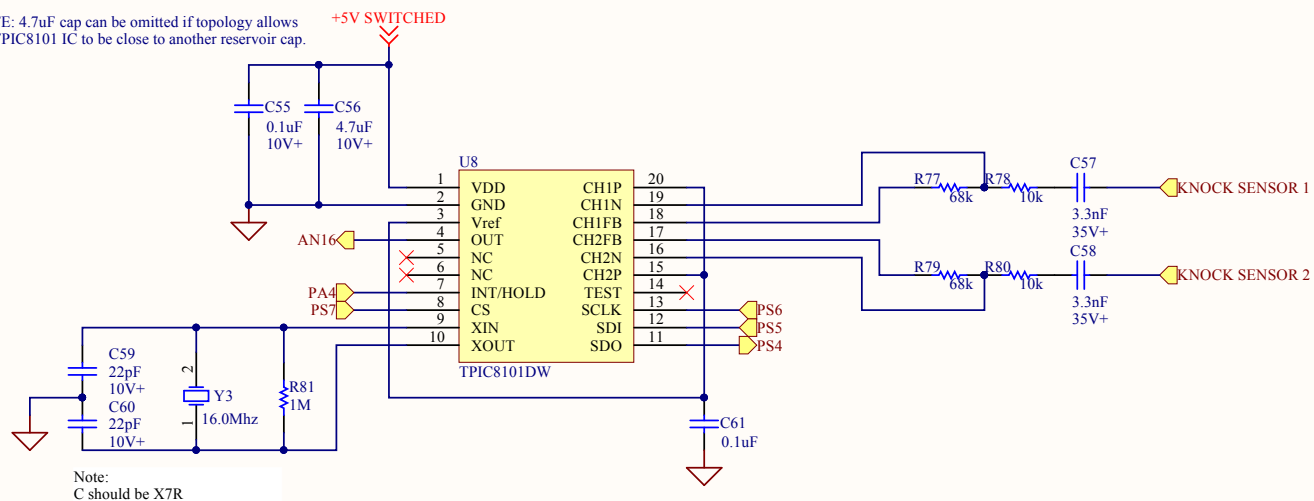
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Drawn By:
Dan Visser





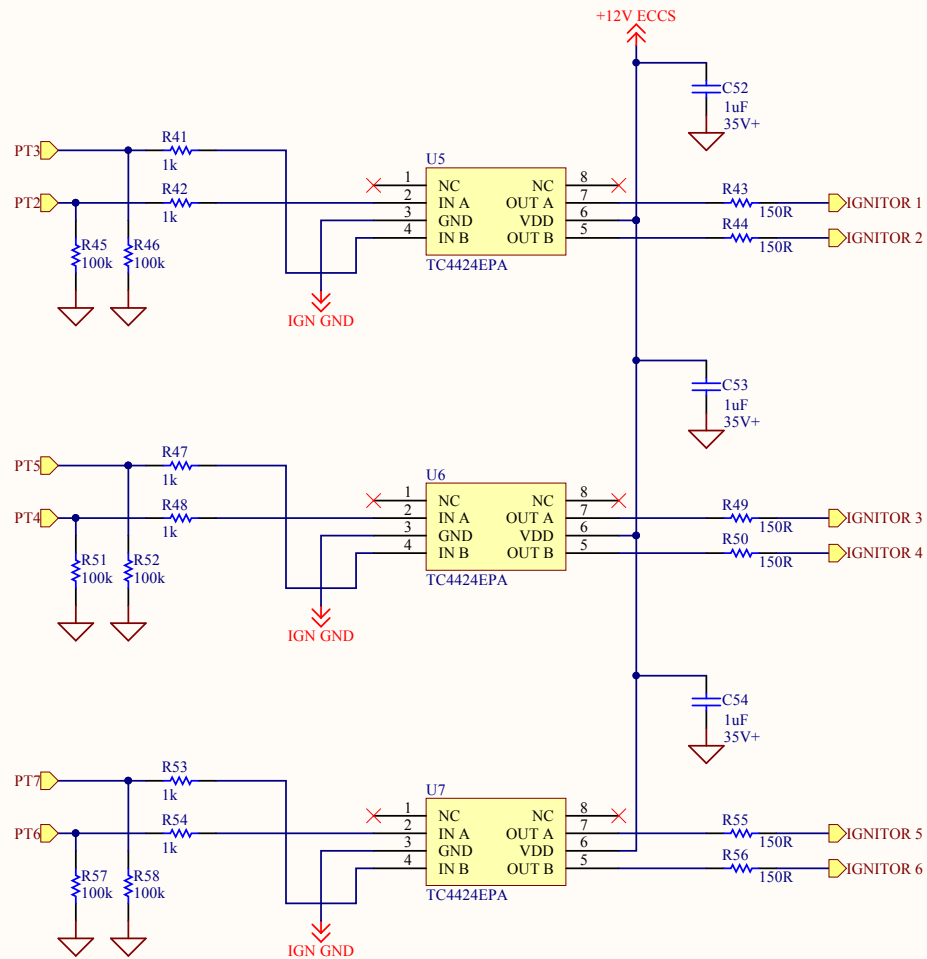
NOTE: 4.7uF cap can be omitted if topology allows the TPIC8101 IC to be close to another reservoir cap.



Title RB25DET - Knock Sensing		
Size: A4	Number: A	Revision: 0.1
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Title **RB25DET - Ignitor Outputs**

Size: A4

Number: A

Revision: 0.1

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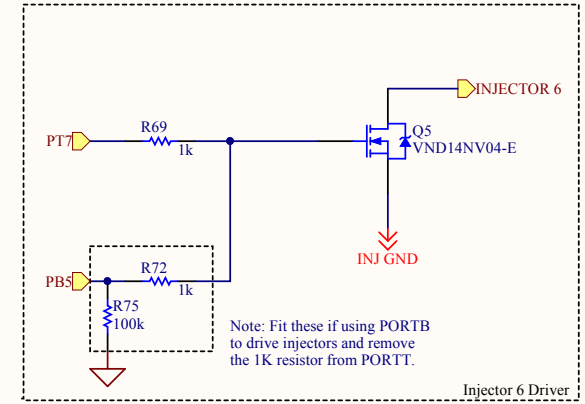
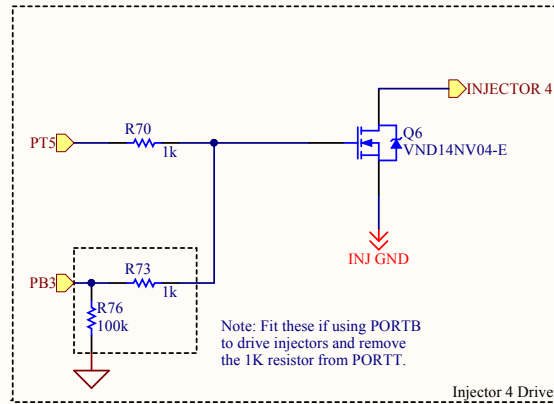
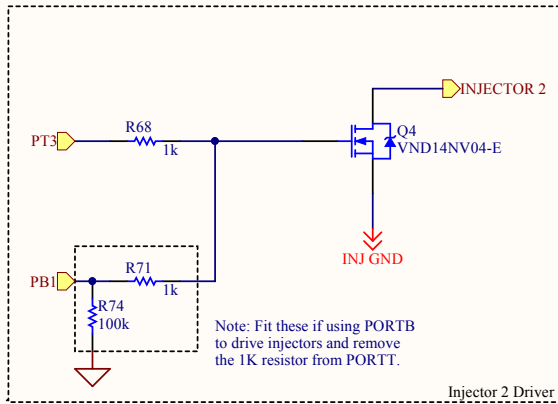
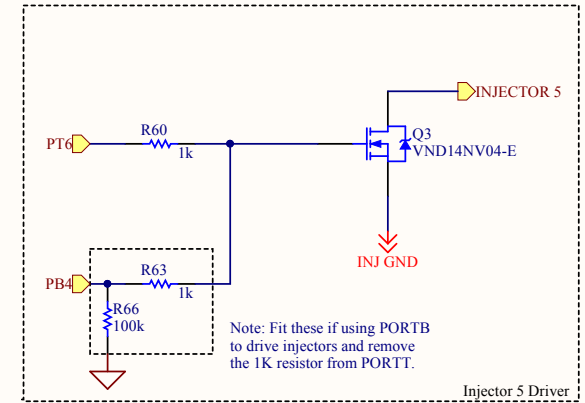
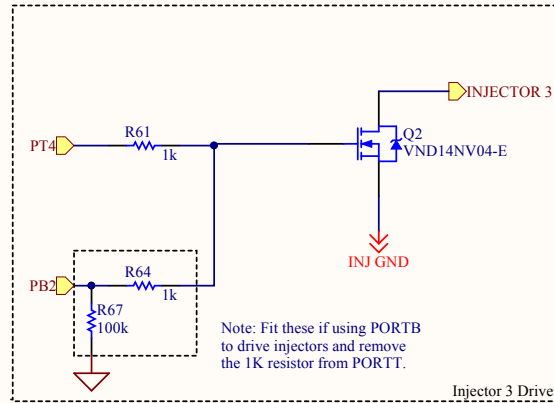
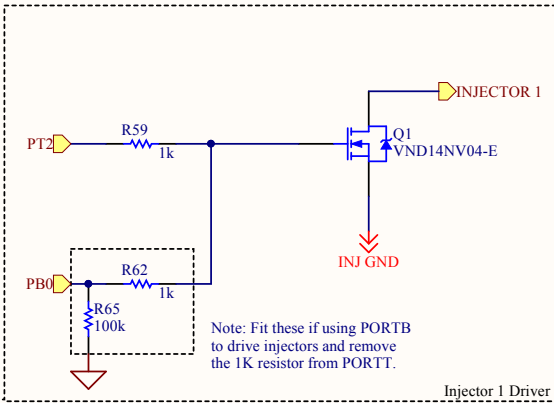


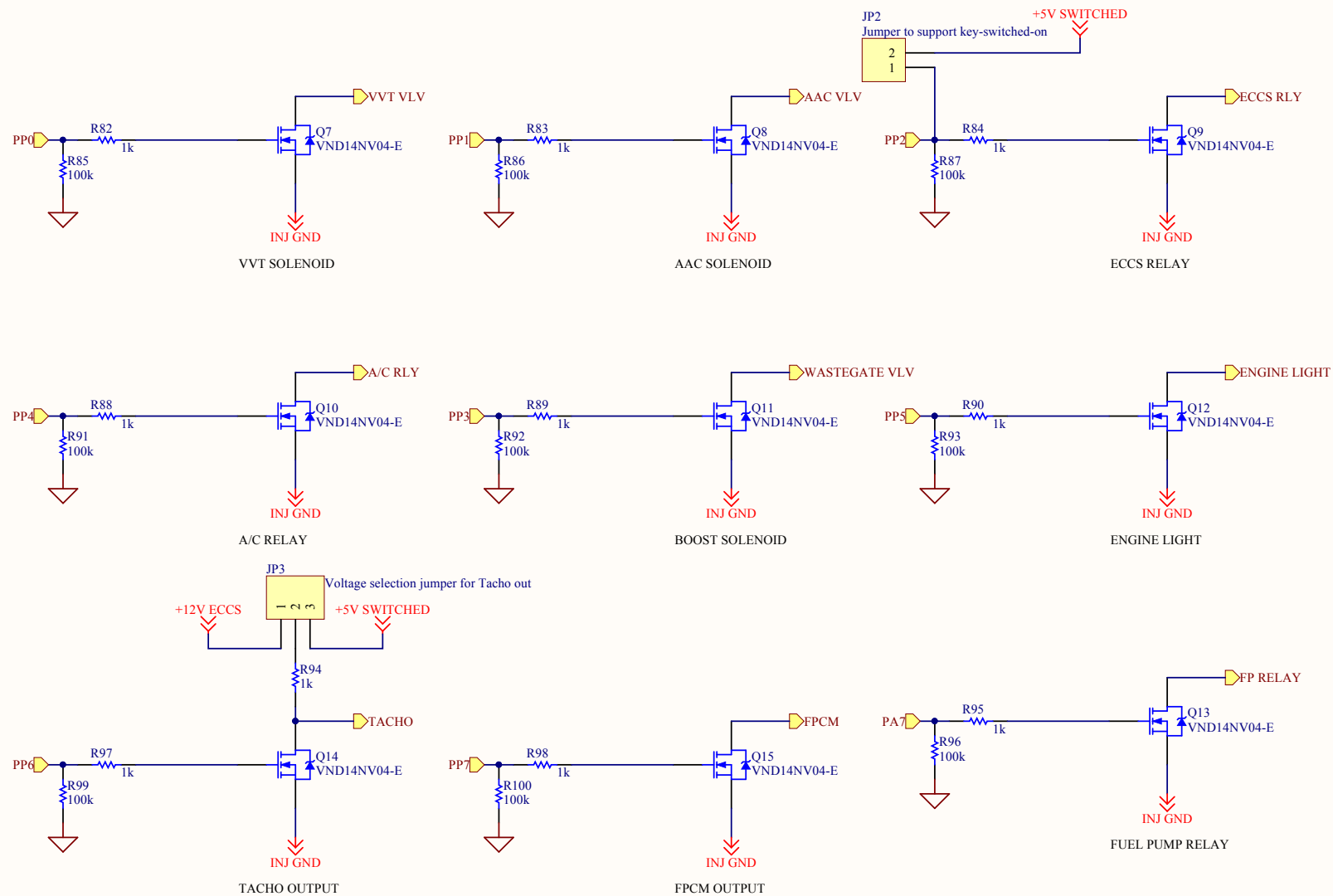
1

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Title **RB25DET - Injectors**Size: **A4**Number: **A**Revision: **0.1**Date: **09-Sep-13**Time: **3:33:14 PM**Sheet **11** of **14**Drawn By:
Dan Visser



Title **RB25DET - Low Side Drivers**

Size: A4

Number: A

Revision: 0.1

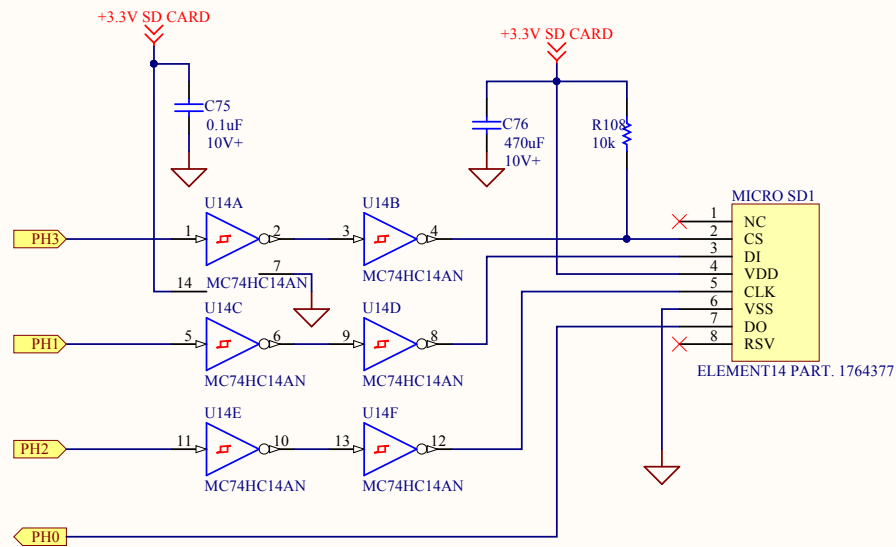
Date: 09-Sep-13


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Drawn By:
Dan Visser





Title RB25DET - SD Card Interface			Drawn By: Dan Visser	
Size: A4	Number: A	Revision: 0.1		
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