
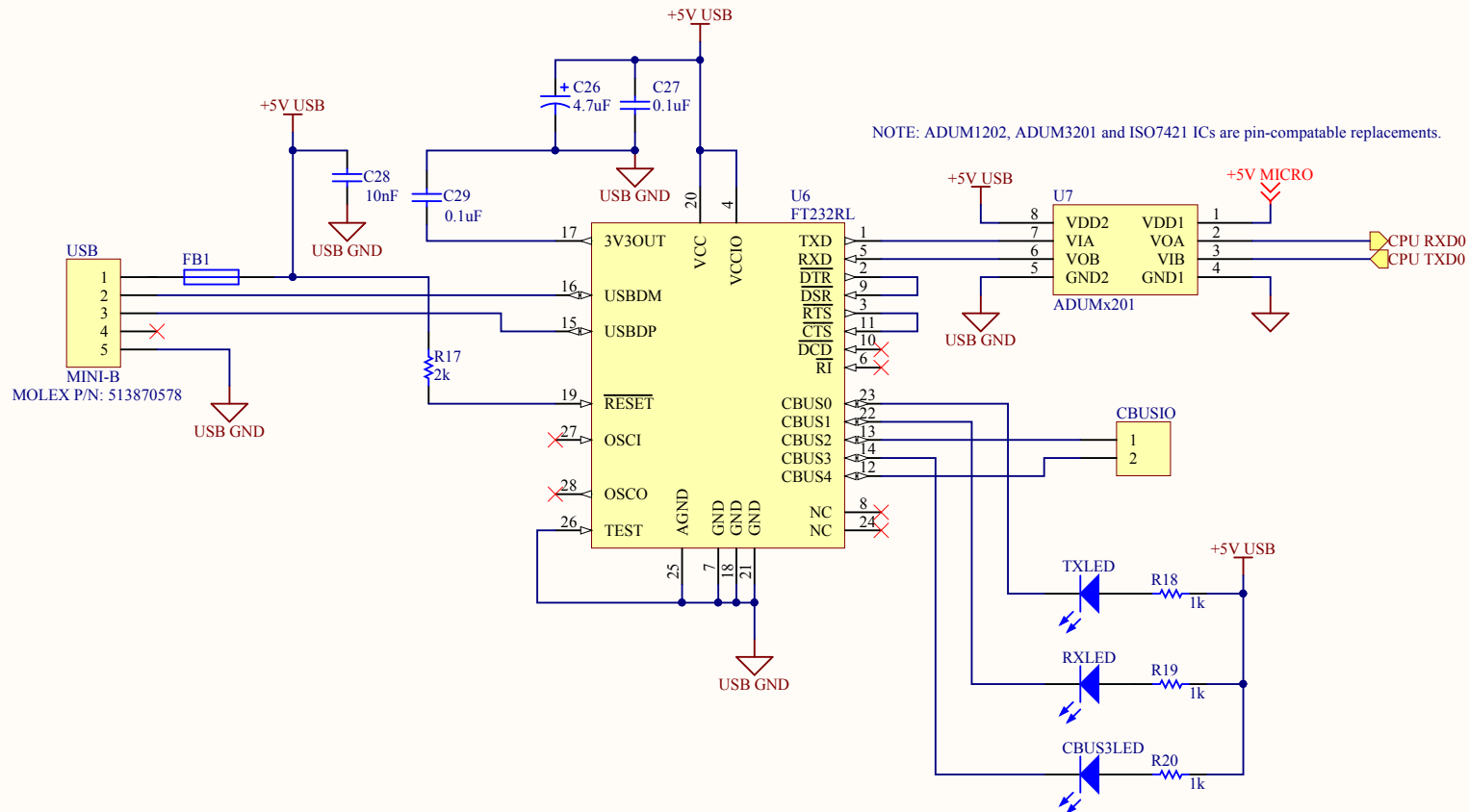


NOTE: Resistors R10, R13, R14, R15 and R16 must be 0.1% tolerance or greater.

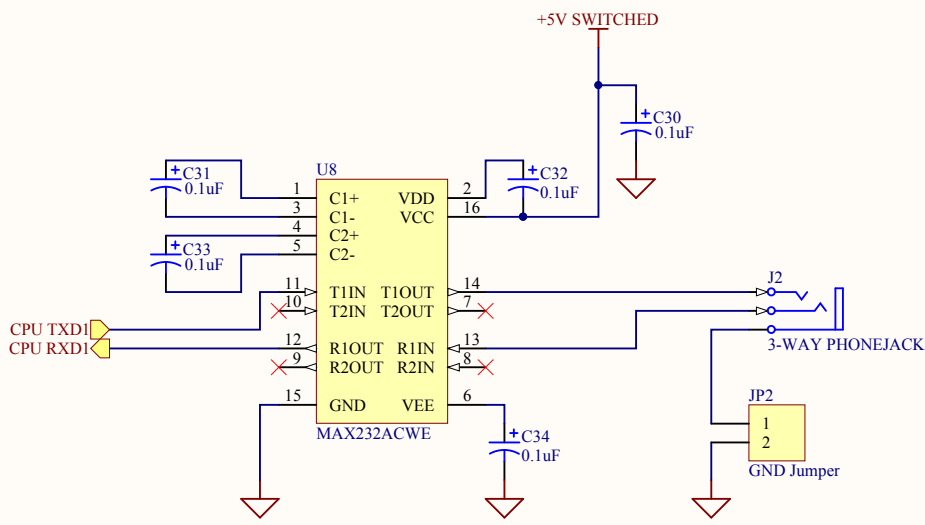
Title <b>Ravage - Power Supplies</b>			Drawn By: Dan Visser	
Size: <b>A4</b>	Number: 0.1	Revision: alpha-RC1		
Date: 25/01/2013	Time: 12:00:16 AM	Sheet 2 of 15		

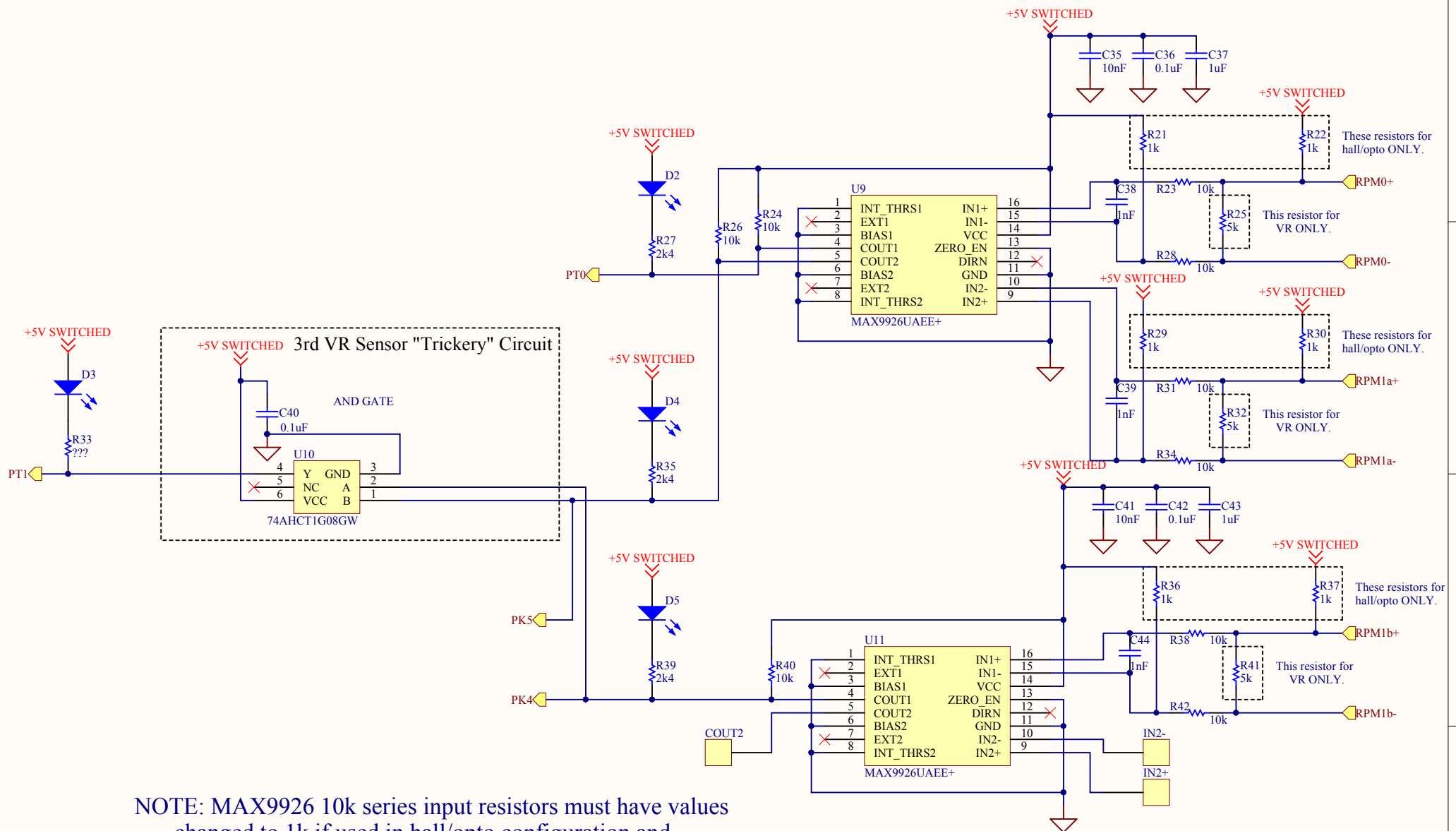


Title <b>Ravage - USB Comms</b>		
Size: A4	Number: 0.1	Revision: alpha-RC1
Date: 25/01/2013	Time: 12:00:16 AM	Sheet 3 of 15


Drawn By:  
Dan Visser

**Altium**





NOTE: MAX9926 10k series input resistors must have values changed to 1k if used in hall/opto configuration and the RPM0- inputs must also be externally grounded.

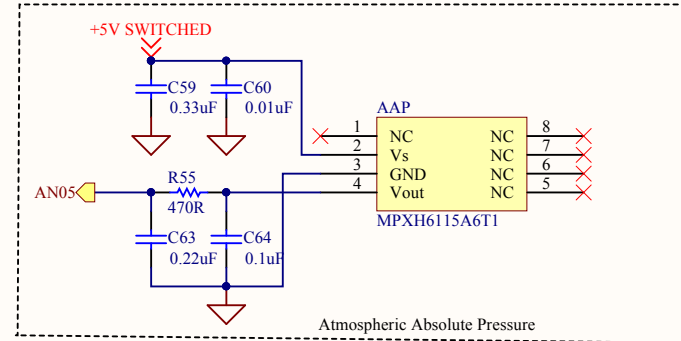
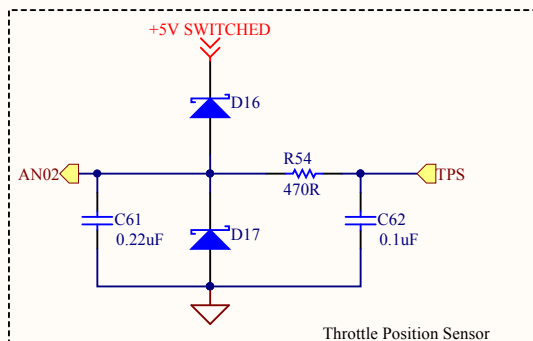
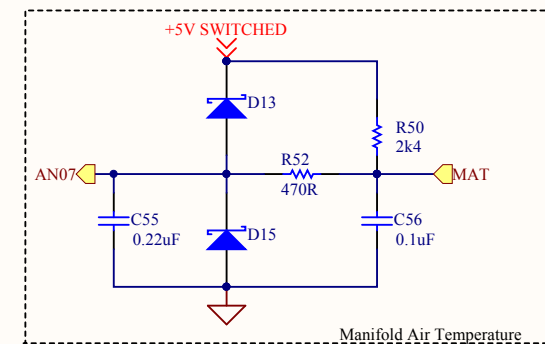
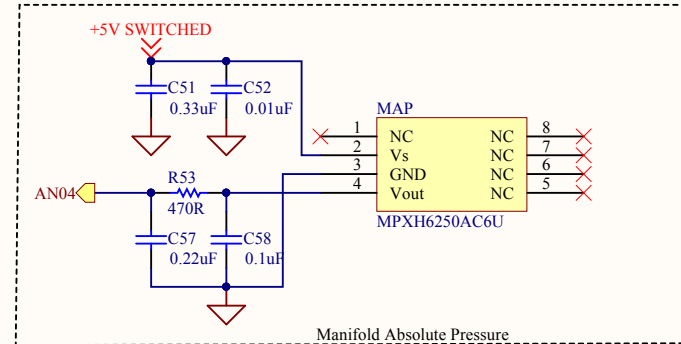
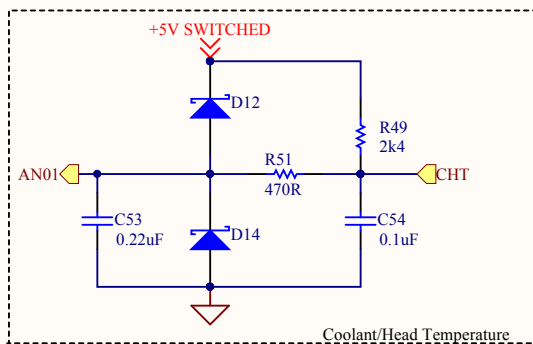
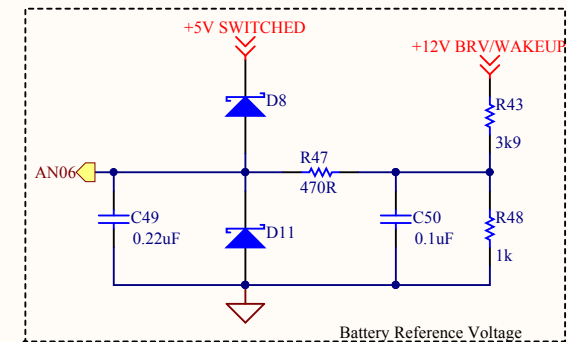
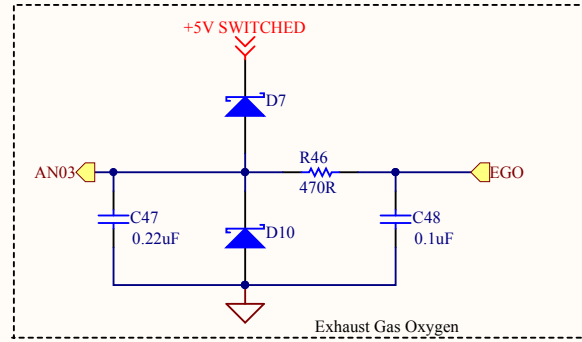
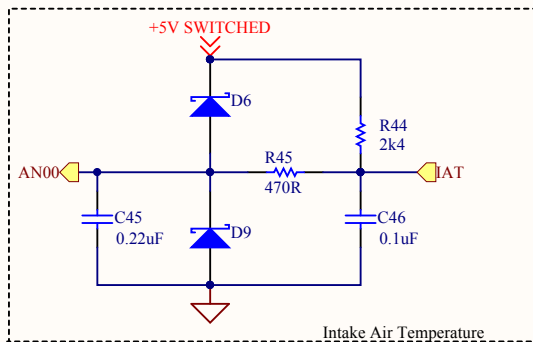
Title <b>Ravage - VR Interfaces</b>			Drawn By: Dan Visser	
Size: A4	Number: 0.1	Revision: alpha-RC1		
Date: 25/01/2013	Time: 12:00:16 AM	Sheet 5 of 15		

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SENSOR GND

Title **Ravage - Core Analogue Inputs**

Size: A4

Number: 0.1

Revision: alpha-RC1

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Time: 12:00:16 AM Sheet 6 of 15

Drawn By:  
Dan Visser

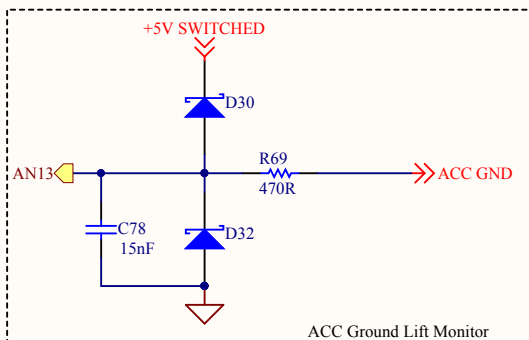
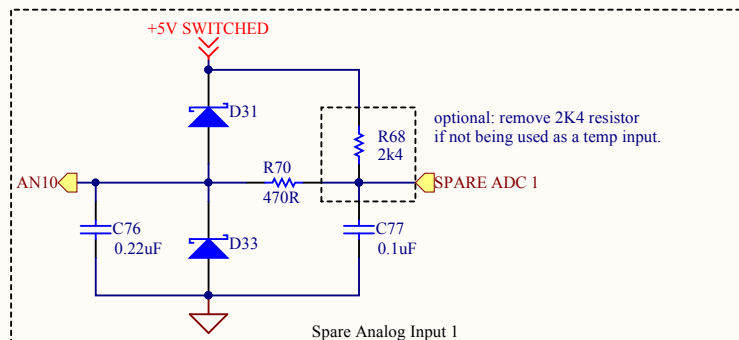
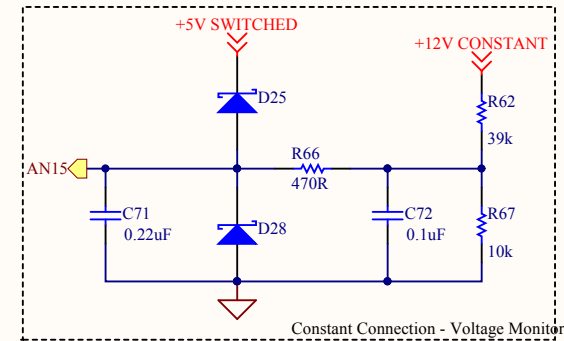
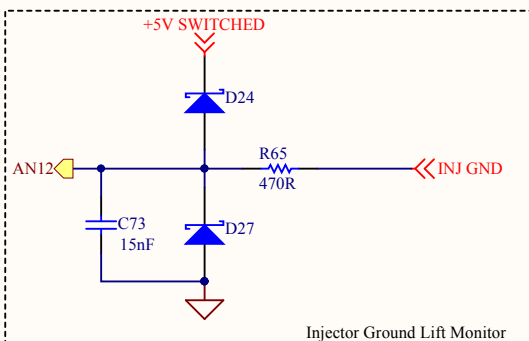
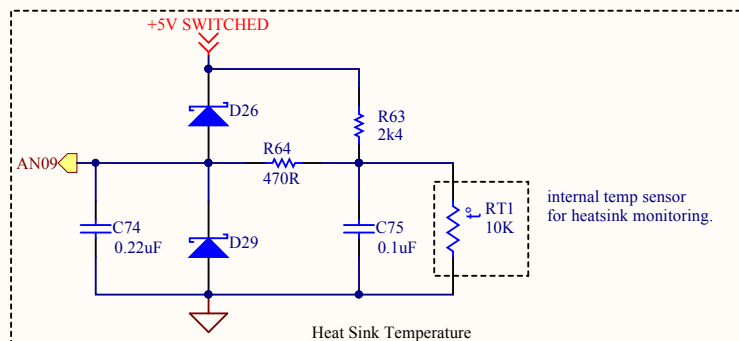
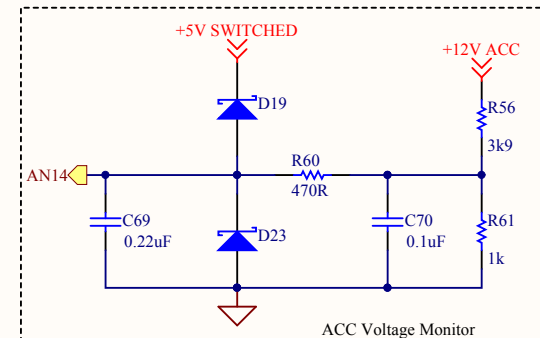
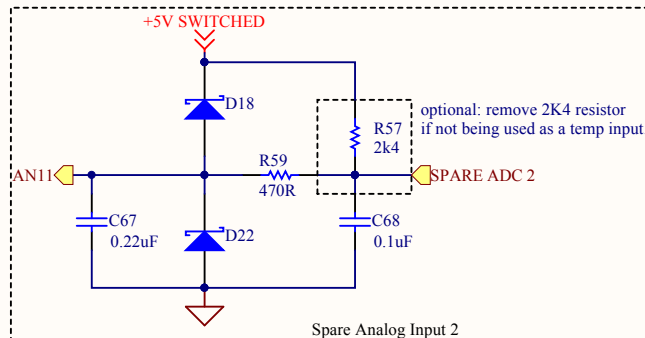
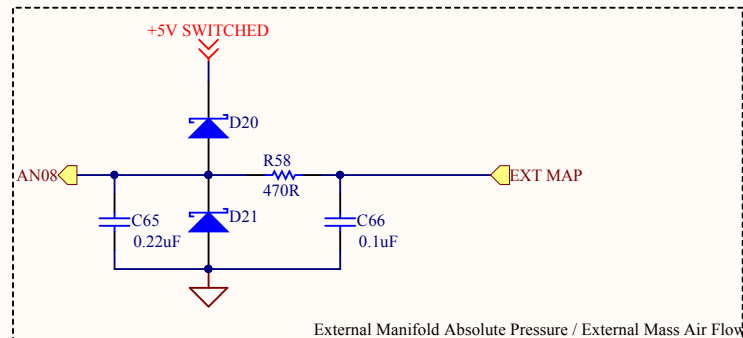
**Altium**

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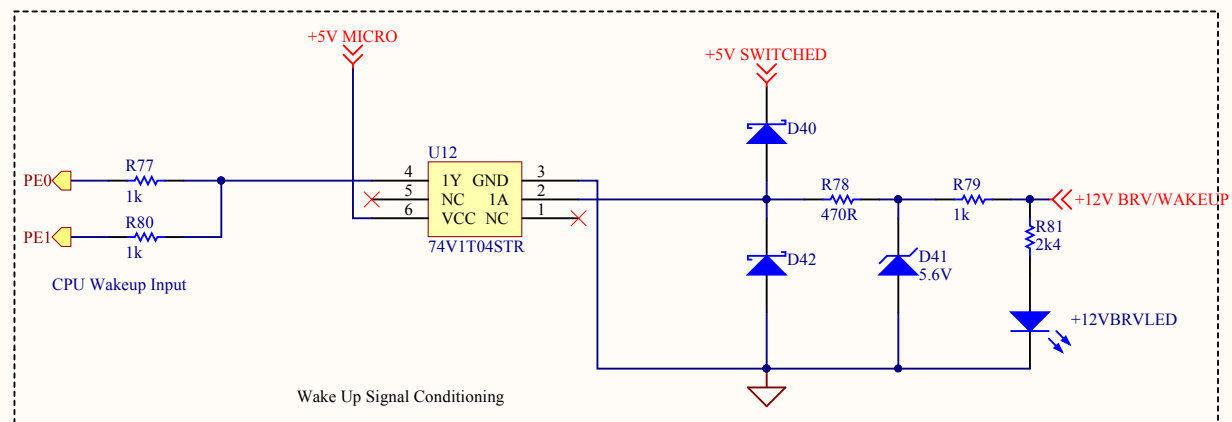
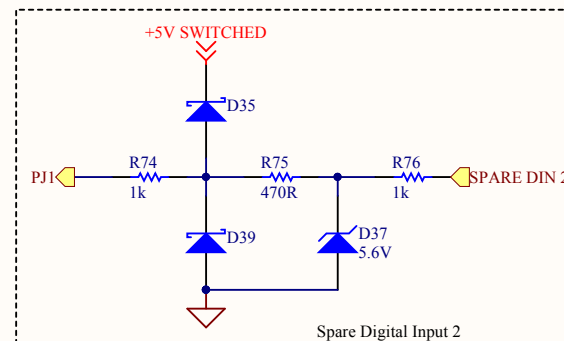
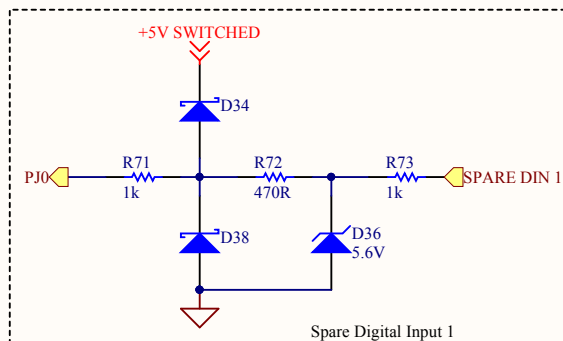


Title <b>Ravage - Extra Analogue Inputs</b>		
Size: <b>A4</b>	Number: <b>0.1</b>	Revision: <b>alpha-RC1</b>
Date: <b>25/01/2013</b>	Time: <b>12:00:17 AM</b>	Sheet <b>7</b> of <b>15</b>

Drawn By:  
Dan Visser



All inputs 12V capable.

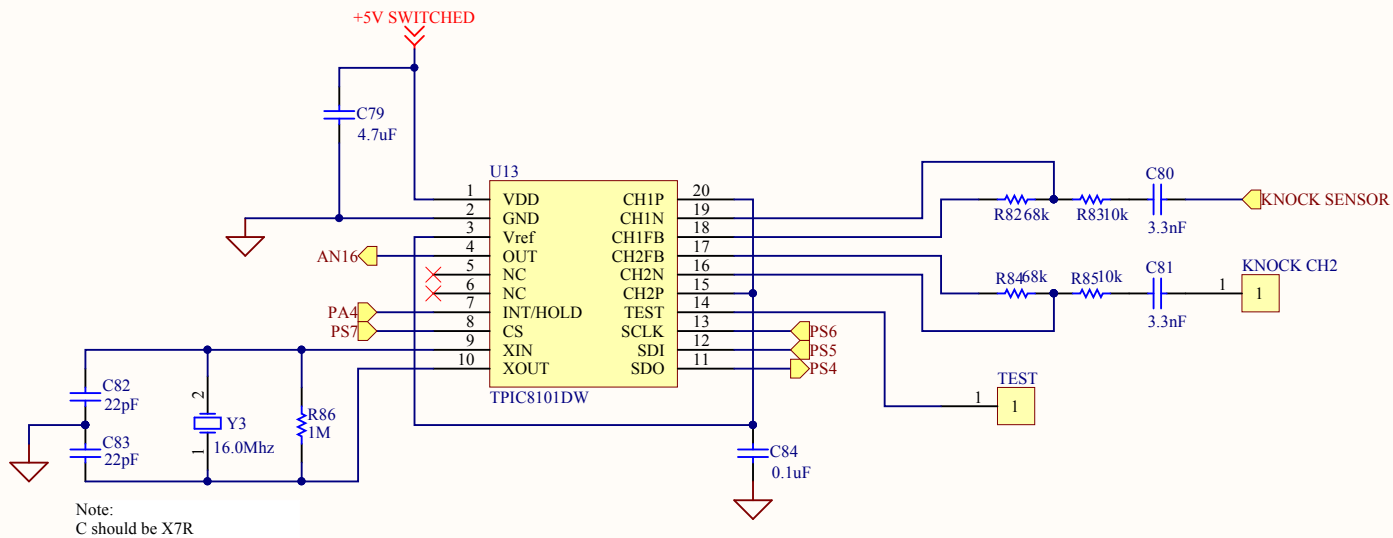



Title <b>Ravage - Digital Inputs</b>		
Size: <b>A4</b>	Number: 0.1	Revision: alpha-RC1
Date: 25/01/2013	Time: 12:00:17 AM	Sheet 8 of 15

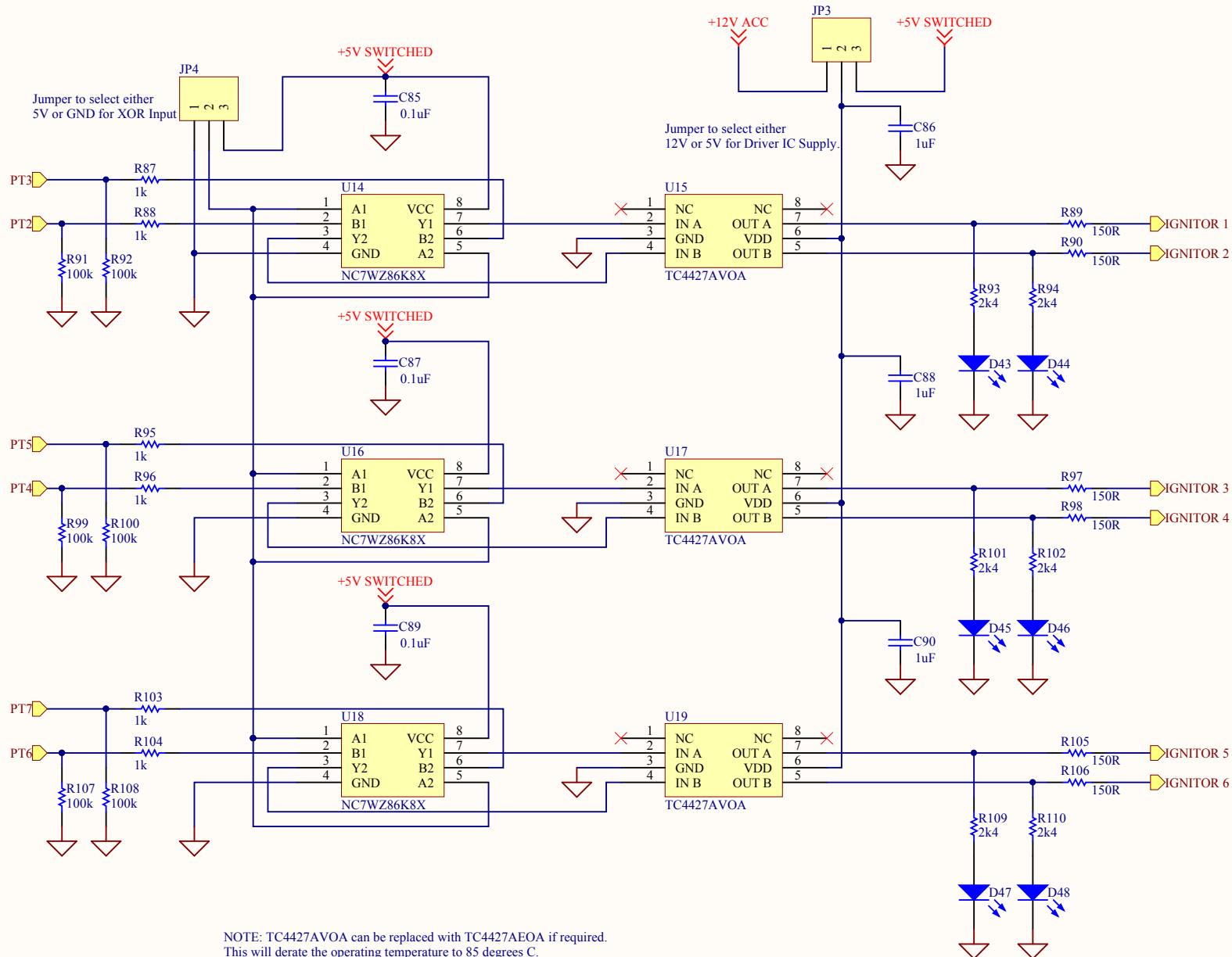
Drawn By:  
Dan Visser



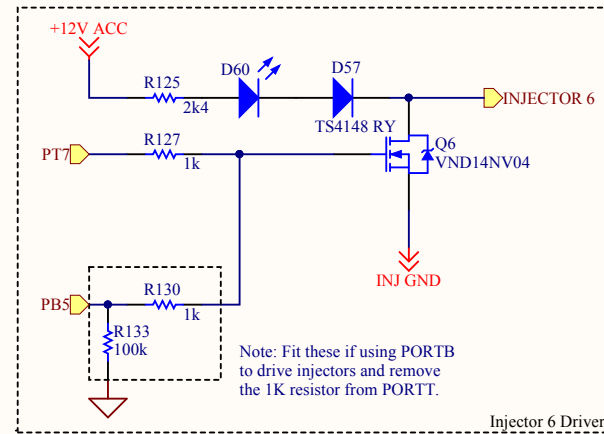
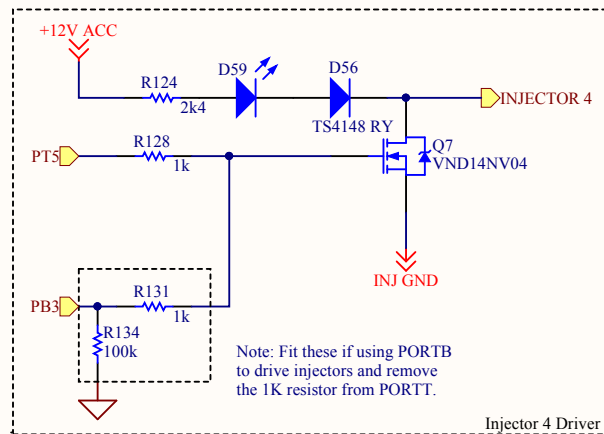
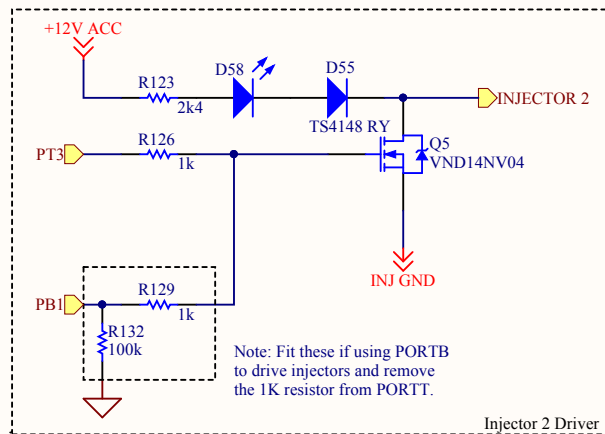
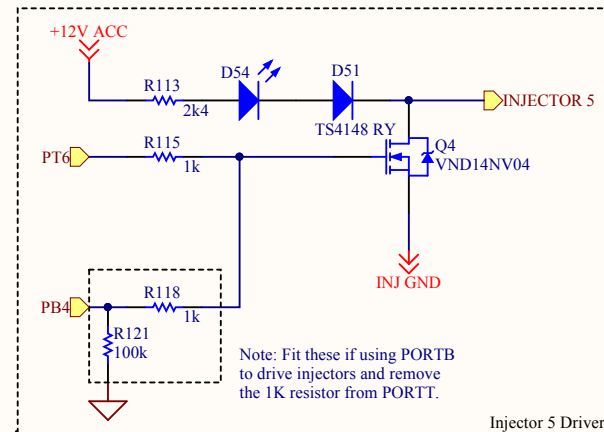
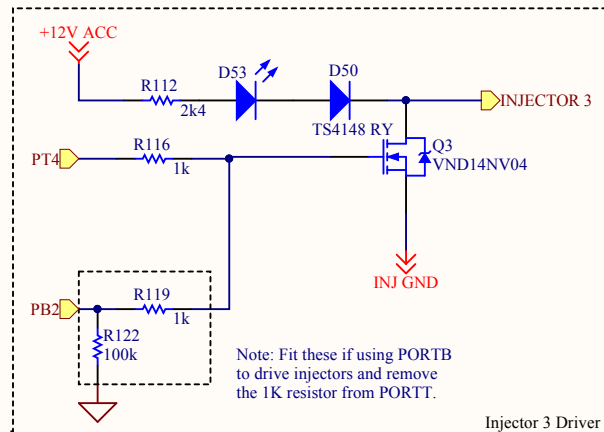
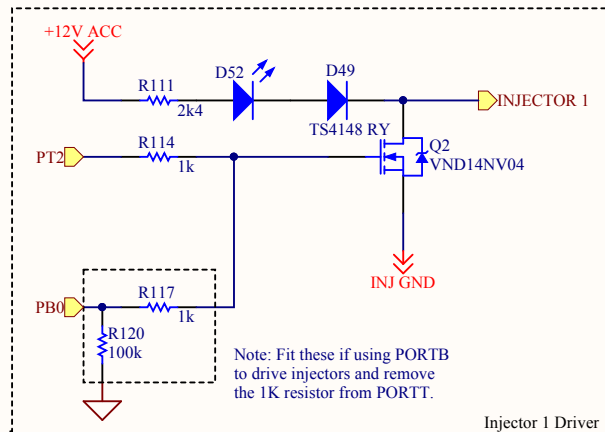


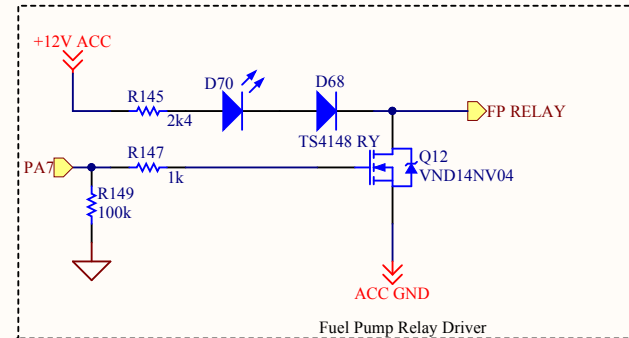
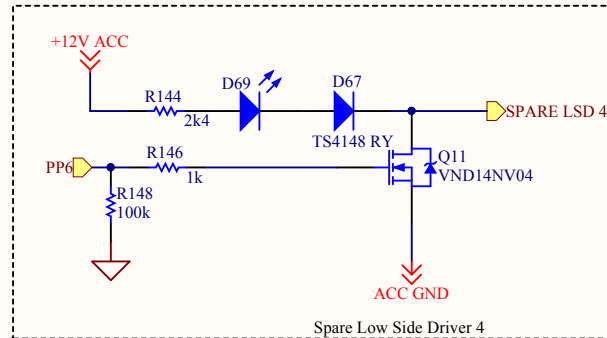
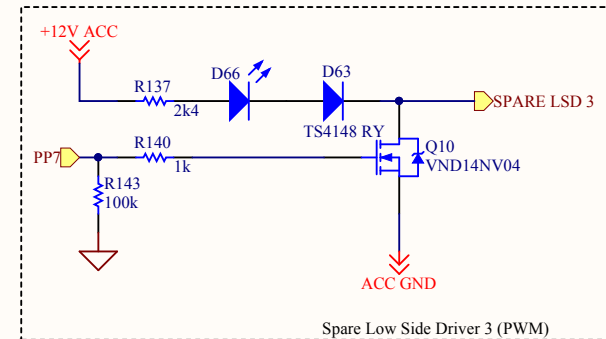
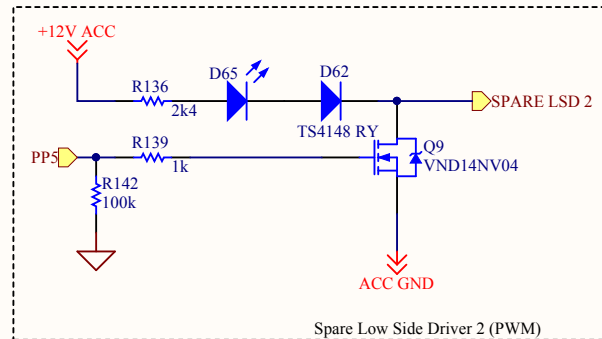
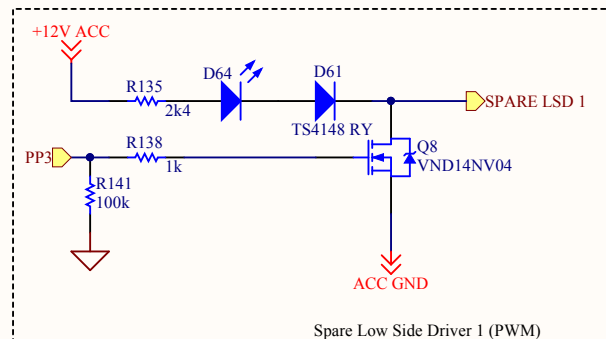


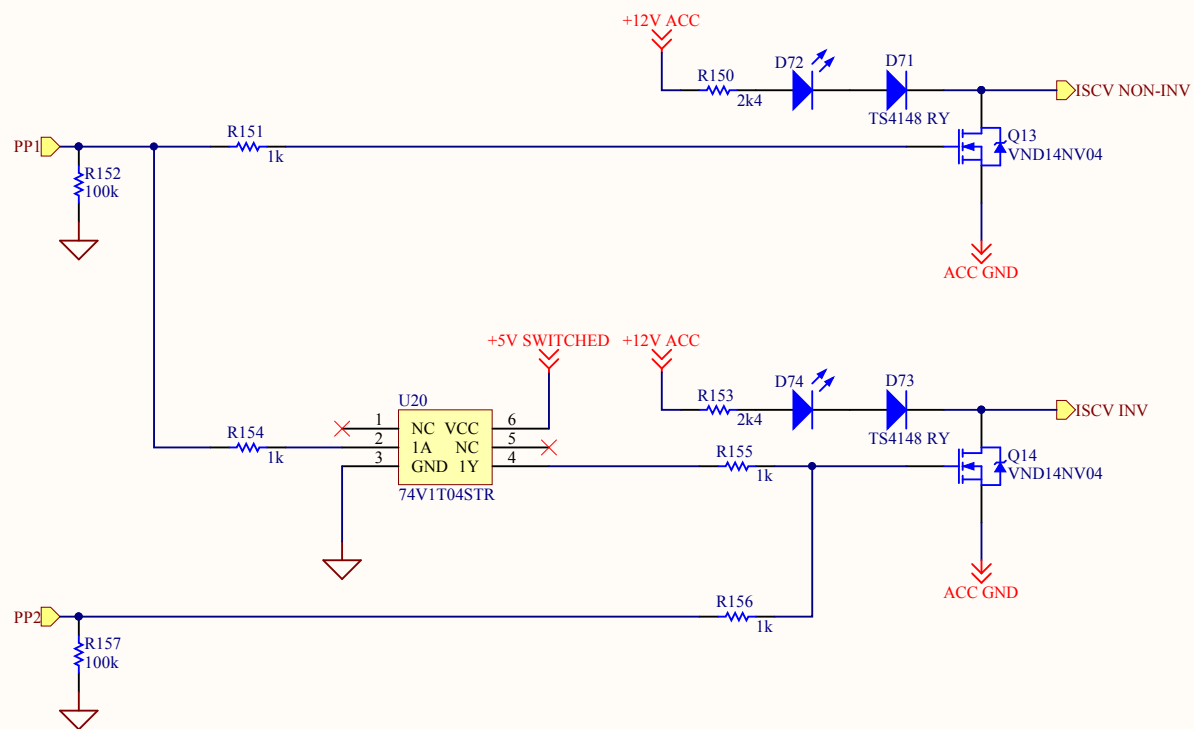
Title <b>Ravage - Knock Sensing</b>			Drawn By: Dan Visser	
Size: <b>A4</b>	Number: 0.1	Revision: alpha-RC1		
Date: 25/01/2013	Time: 12:00:17 AM	Sheet 9 of 15		




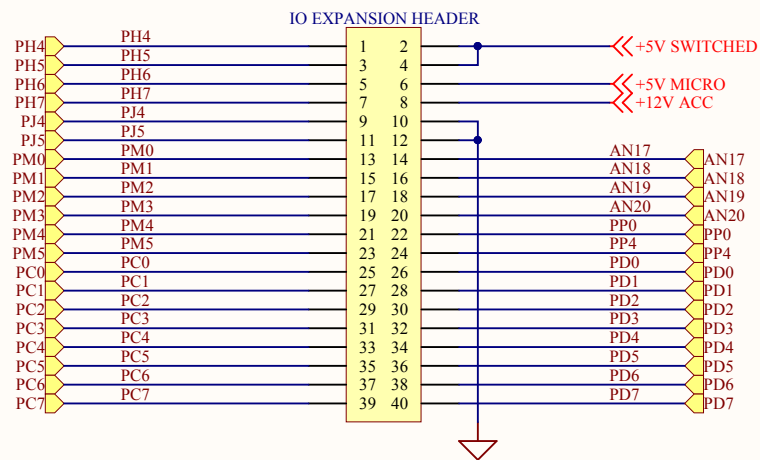
Title <b>Ravage - Ignitor Outputs</b>			Drawn By: Dan Visser	
Size: A4	Number: 0.1	Revision: alpha-RC1		
Date: 25/01/2013	Time: 12:00:17 AM	Sheet 10 of 15		







Title <b>Ravage - 3-Wire ISCV Driver</b>			Drawn By: Dan Visser	
Size: A4	Number: 0.1	Revision: alpha-RC1		
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Title <b>Ravage - IO Expansion Header</b>			Drawn By: Dan Visser	
Size: <b>A4</b>	Number: <b>0.1</b>	Revision: <b>alpha-RC1</b>		
Date: <b>25/01/2013</b>	Time: <b>12:00:18 AM</b>	Sheet <b>14</b> of <b>15</b>		

NOTE: L and M pins are rated at 12A max, with remaining pins rated at 6A max.

