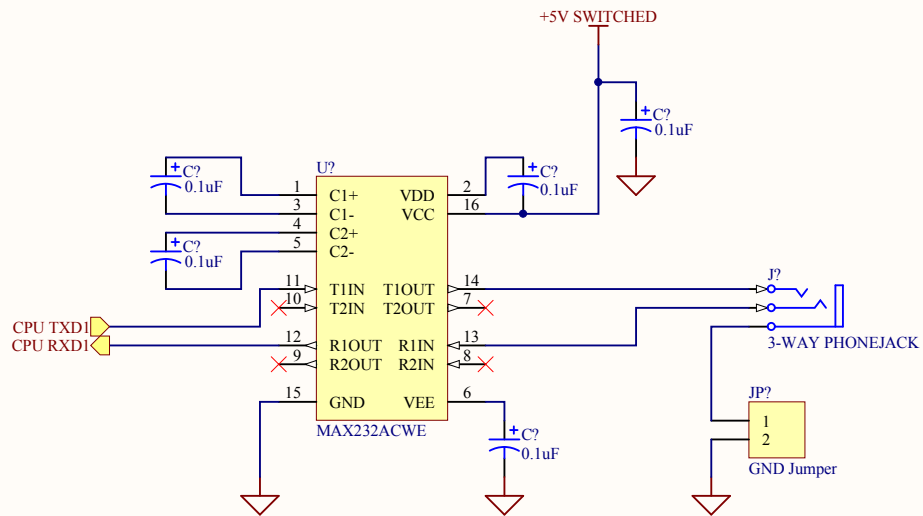

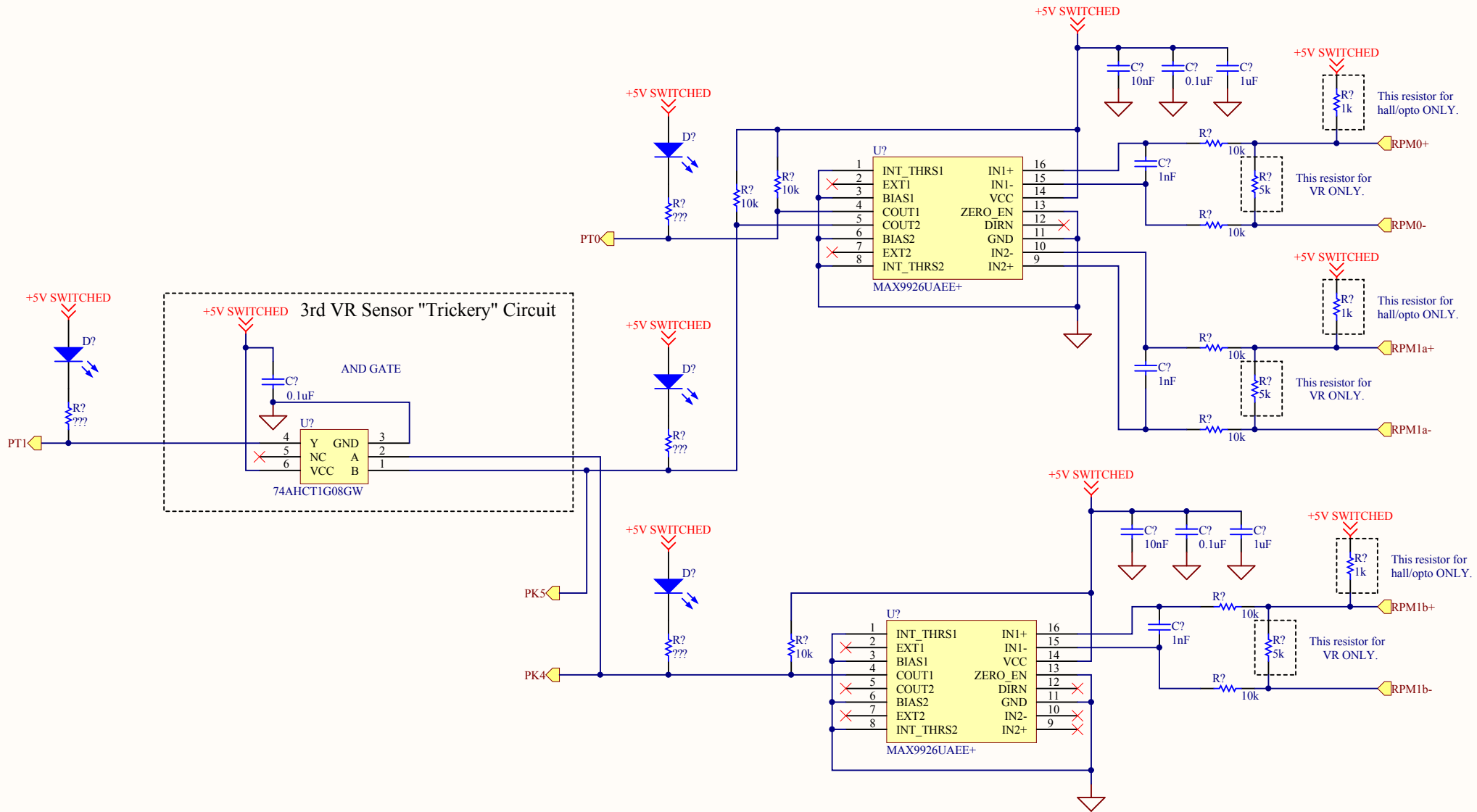



Title Ravage - USB Comms			Drawn By: Dan Visser	
Size: A4	Number: A	Revision: 0.2		
Date: 5/03/2012	Time: 11:38:16 AM	Sheet 3 of 16		



Title Ravage - RS232 Comms			Drawn By: <i>Dan Visser</i>	
Size: A4	Number: A	Revision: 0.2		
Date: 5/03/2012	Time: 11:38:17 AM	Sheet 4 of 16		



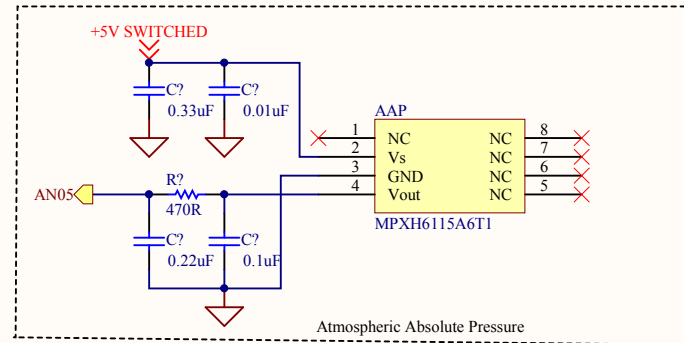
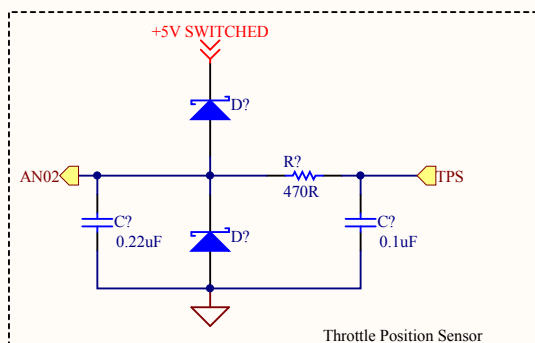
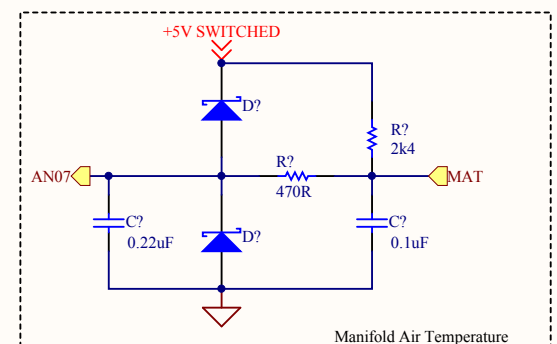
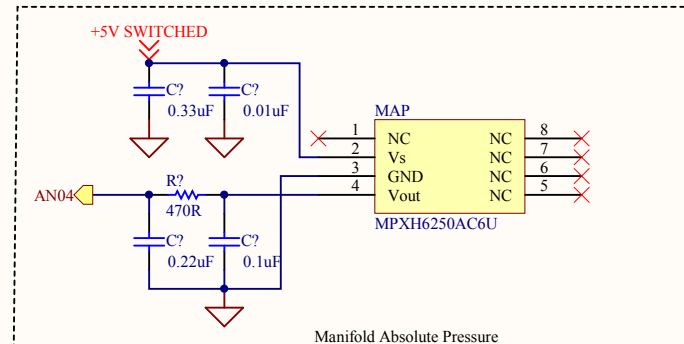
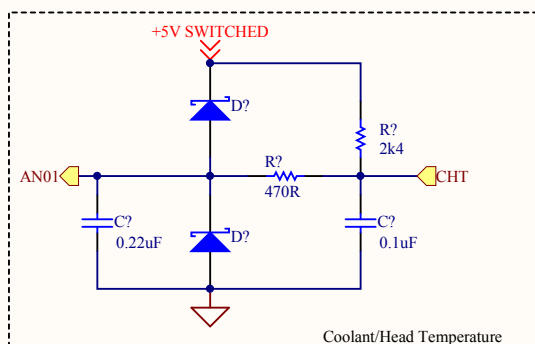
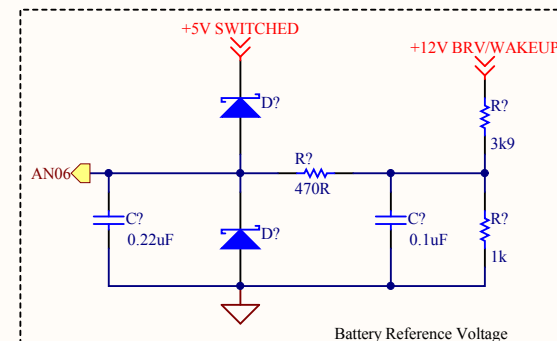
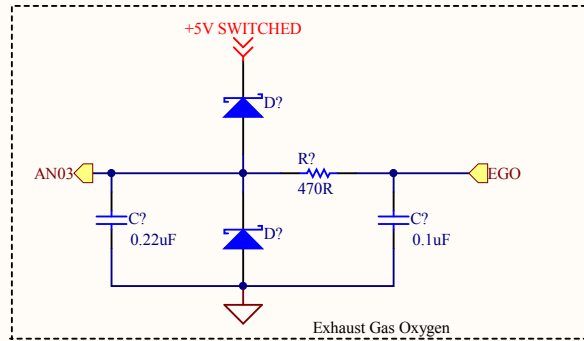
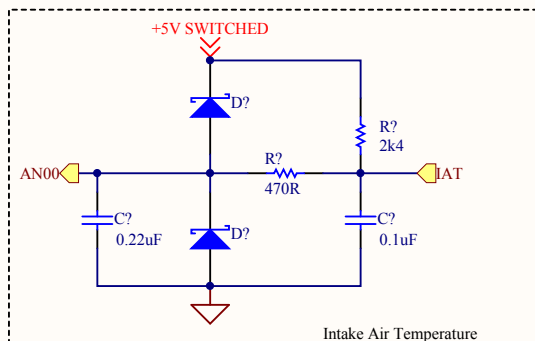
Title Ravage - VR Interfaces			Drawn By: Dan Visser	
Size: A4	Number: A	Revision: 0.2		
Date: 5/03/2012	Time: 11:38:17 AM	Sheet 5 of 16		

1

2

3

4



SENSOR GND

Title **Ravage - Core Analogue Inputs**

Size: **A4**

Number: **A**

Revision: **0.2**

Date: **5/03/2012**

Time: **11:38:17 AM** Sheet **6** of **16**

Drawn By:
Dan Visser

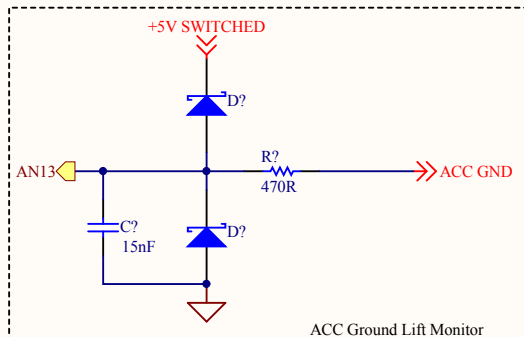
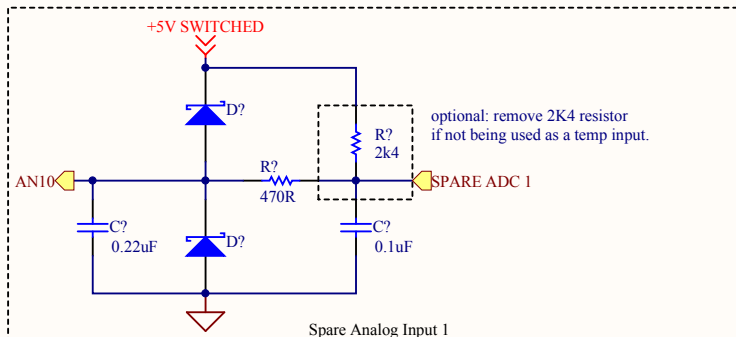
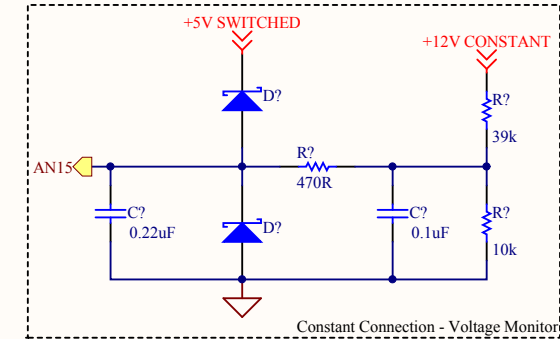
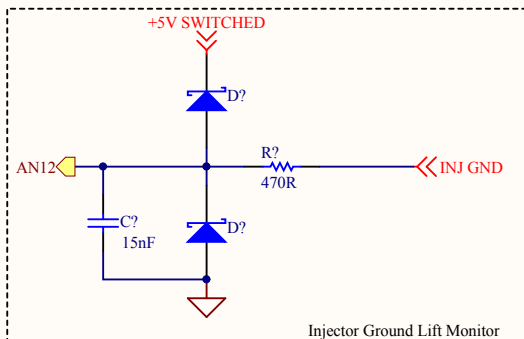
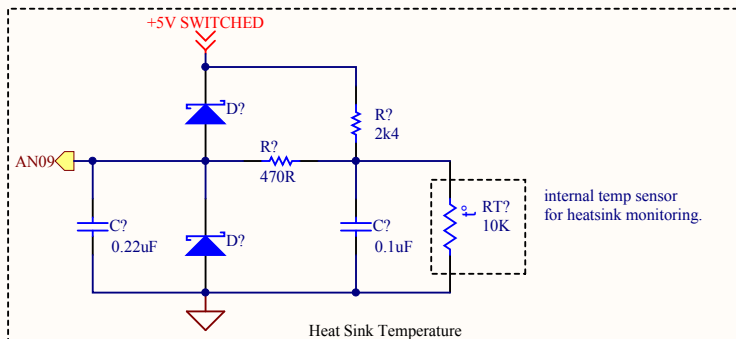
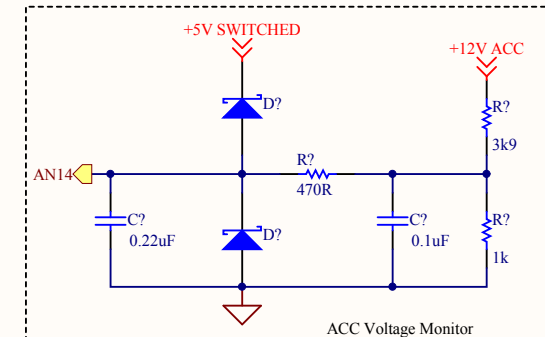
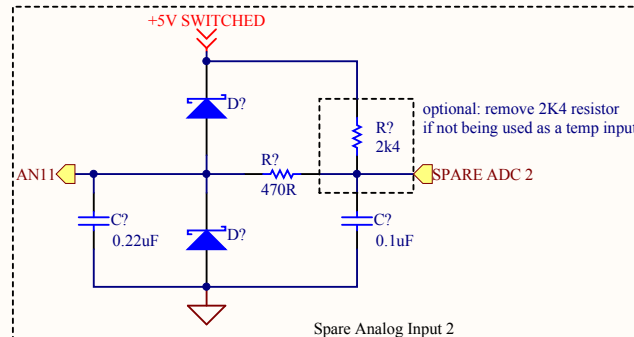
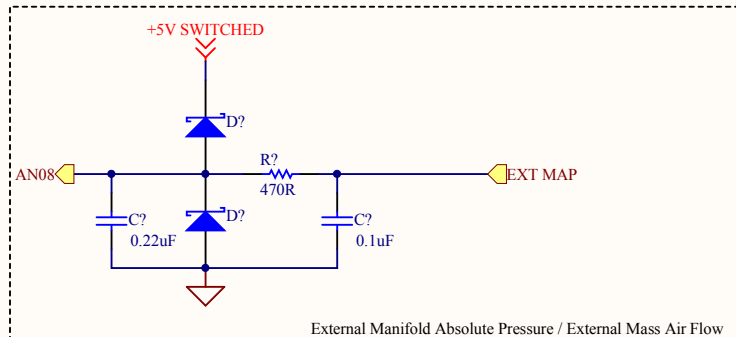
Altium

1

2

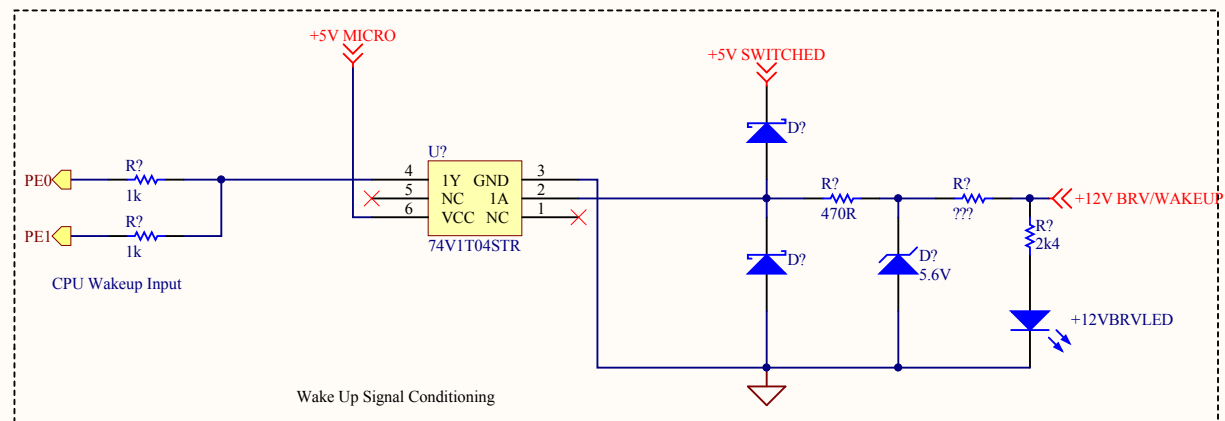
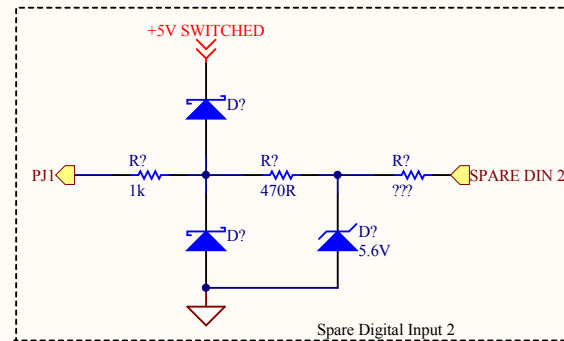
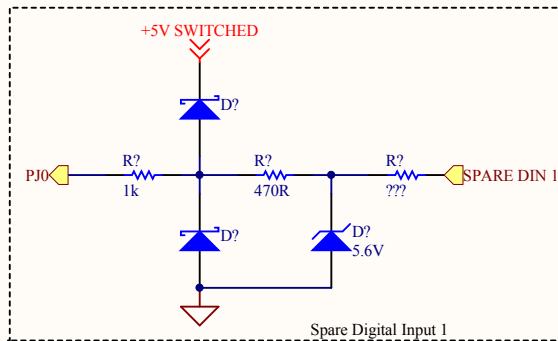
3

4



Title Ravage - Extra Analogue Inputs			Drawn By: Dan Visser	
Size: A4	Number: A	Revision: 0.2		
Date: 5/03/2012	Time: 11:38:17 AM	Sheet 7 of 16		

All inputs 12V capable.

Title **Ravage - Digital Inputs**

Size: A4

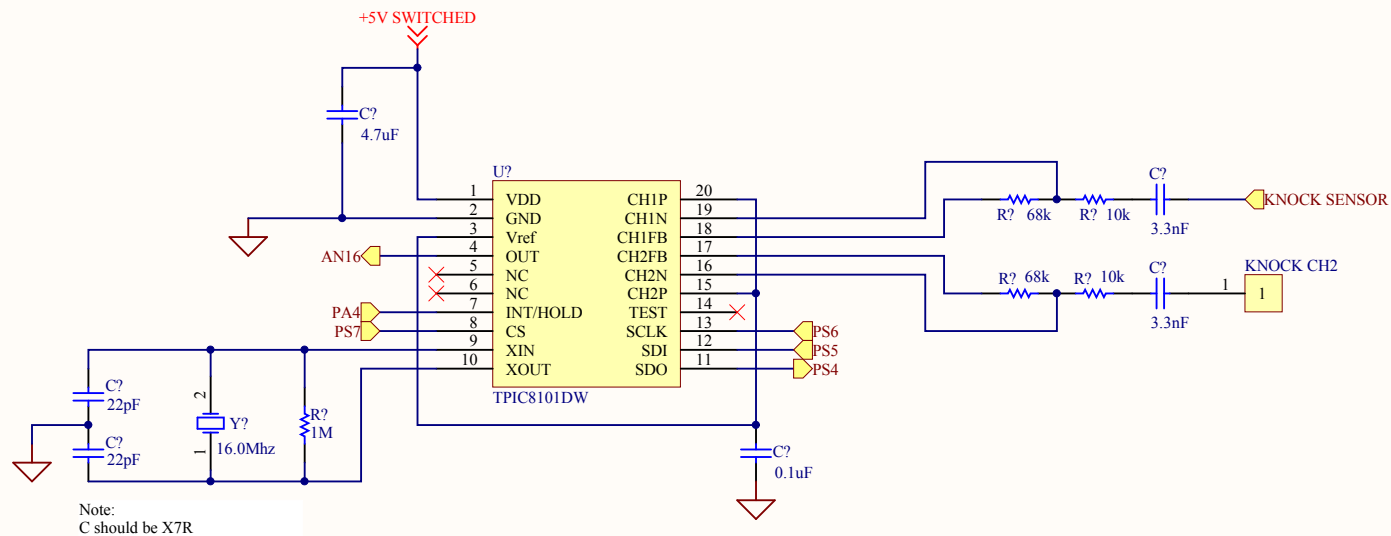
Number: A

Revision: 0.2

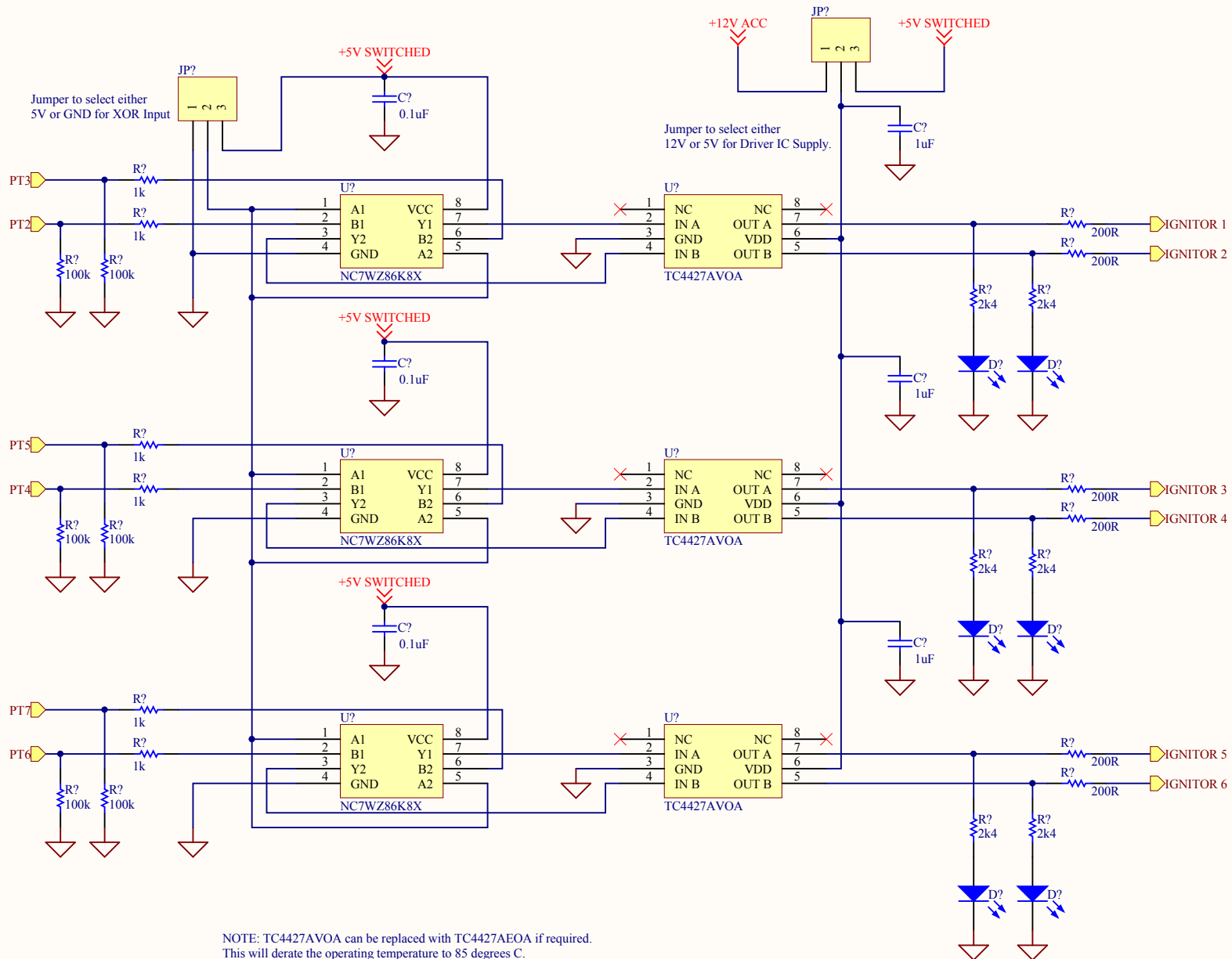
Date: 5/03/2012

Time: 11:38:17 AM Sheet 8 of 16

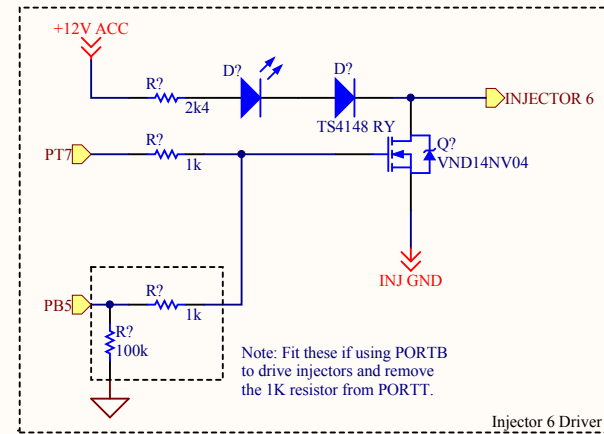
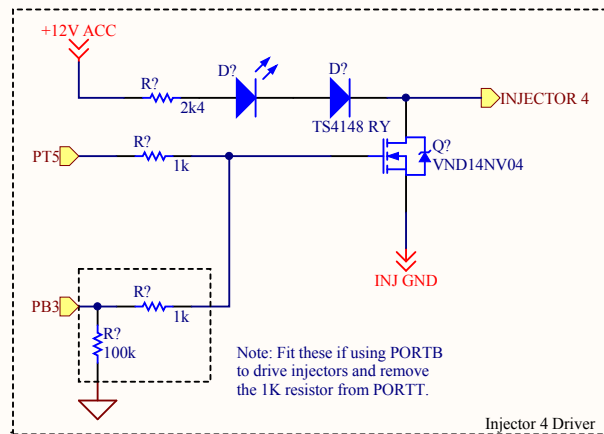
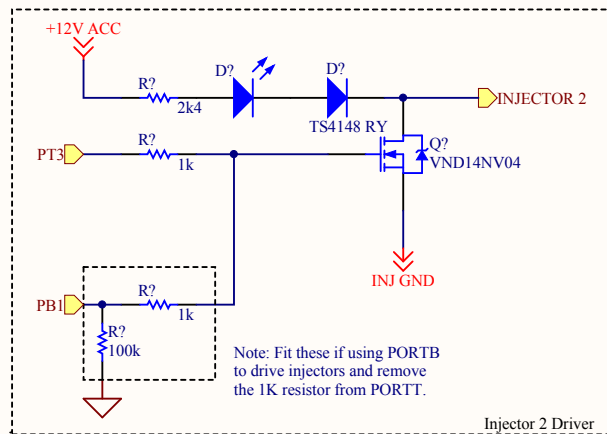
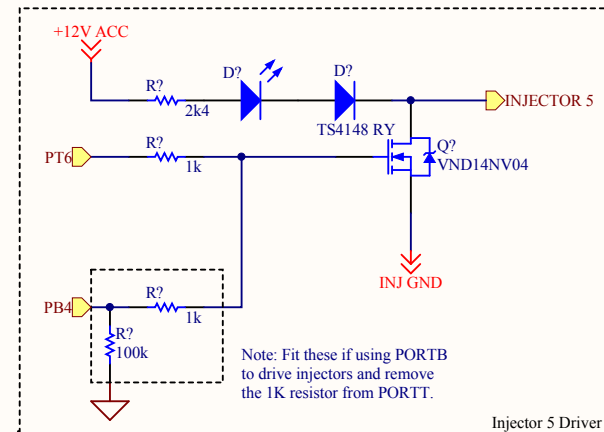
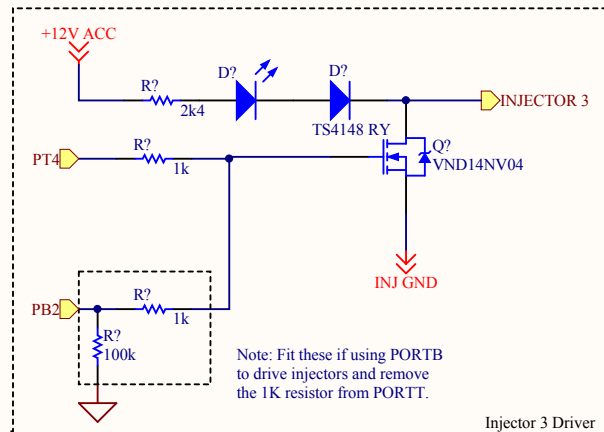
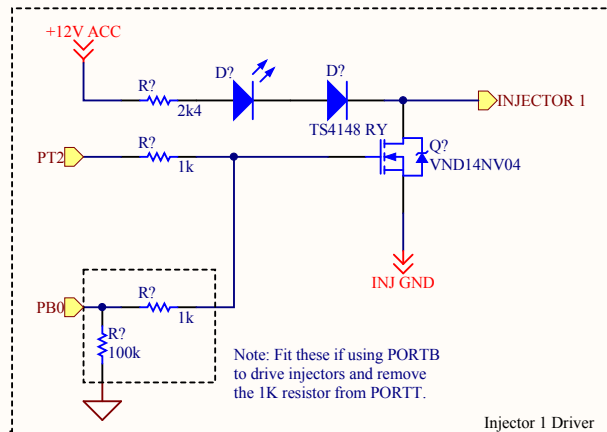
Drawn By:
Dan Visser**Altium**

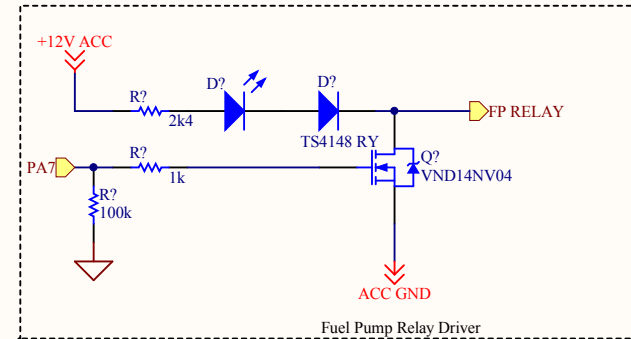
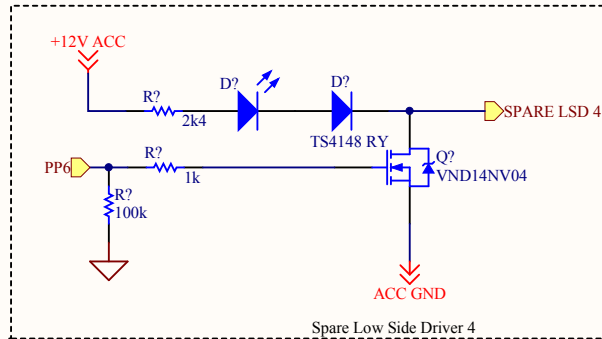
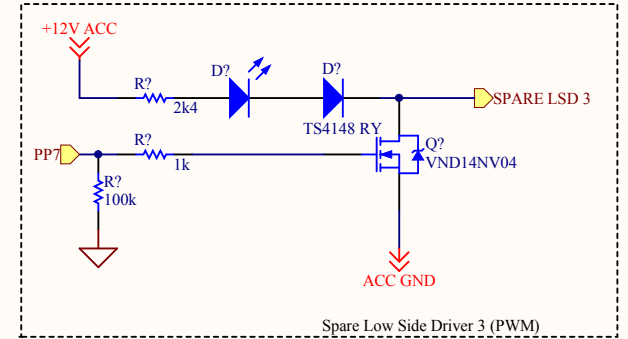
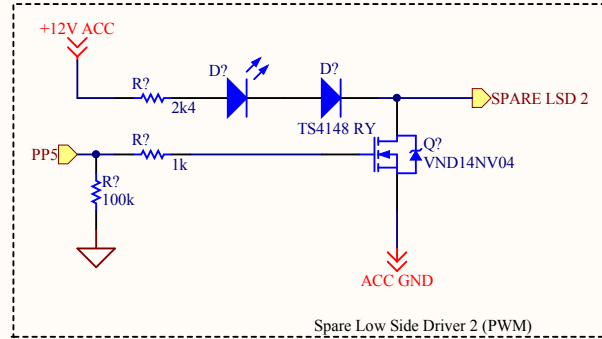
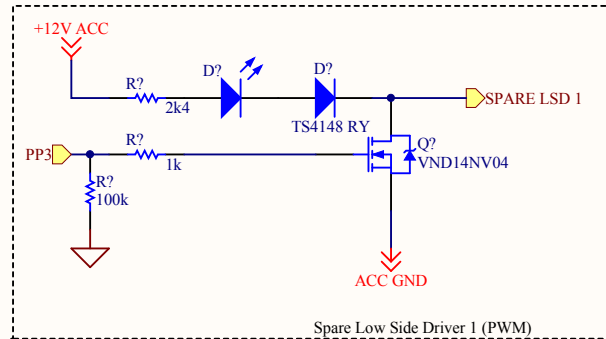


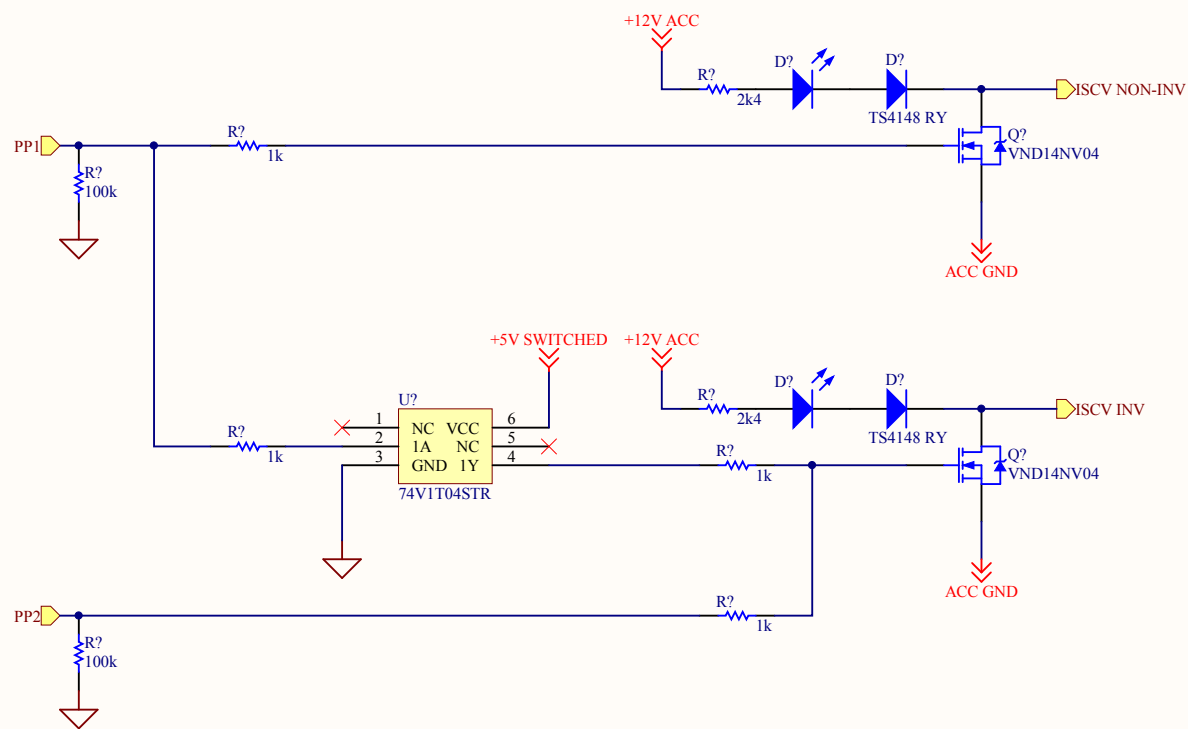
Title Ravage - Knock Sensing			Drawn By: Dan Visser	
Size: A4	Number: A	Revision: 0.2		
Date: 5/03/2012	Time: 11:38:17 AM	Sheet 9 of 16		




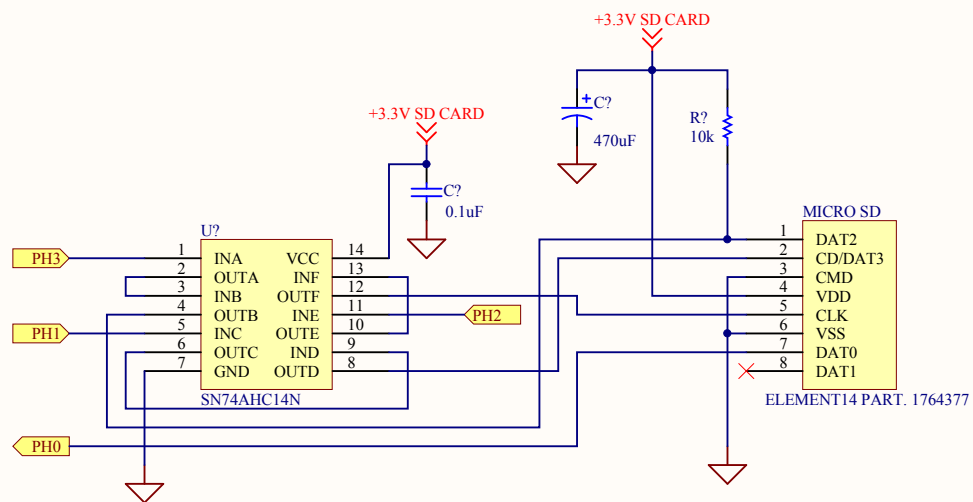
Title Ravage - Ignitor Outputs			Drawn By: Dan Visser	
Size: A4	Number: A	Revision: 0.2		
Date: 5/03/2012	Time: 11:38:17 AM	Sheet 10 of 16		

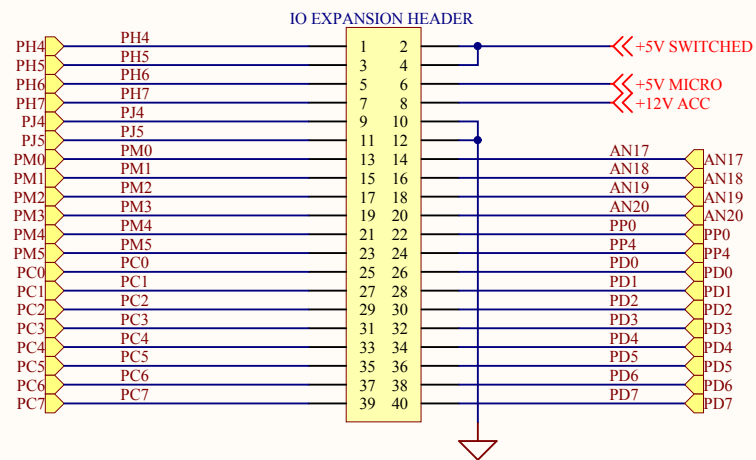






Title Ravage - 3-Wire ISCV Driver			Drawn By: Dan Visser	
Size: A4	Number: A	Revision: 0.2		
Date: 5/03/2012	Time: 11:38:17 AM	Sheet 13 of 16		





Title Ravage - IO Expansion Header			Drawn By: Dan Visser	
Size: A4	Number: A	Revision: 0.2		
Date: 5/03/2012	Time: 11:38:17 AM	Sheet 15 of 16		

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

