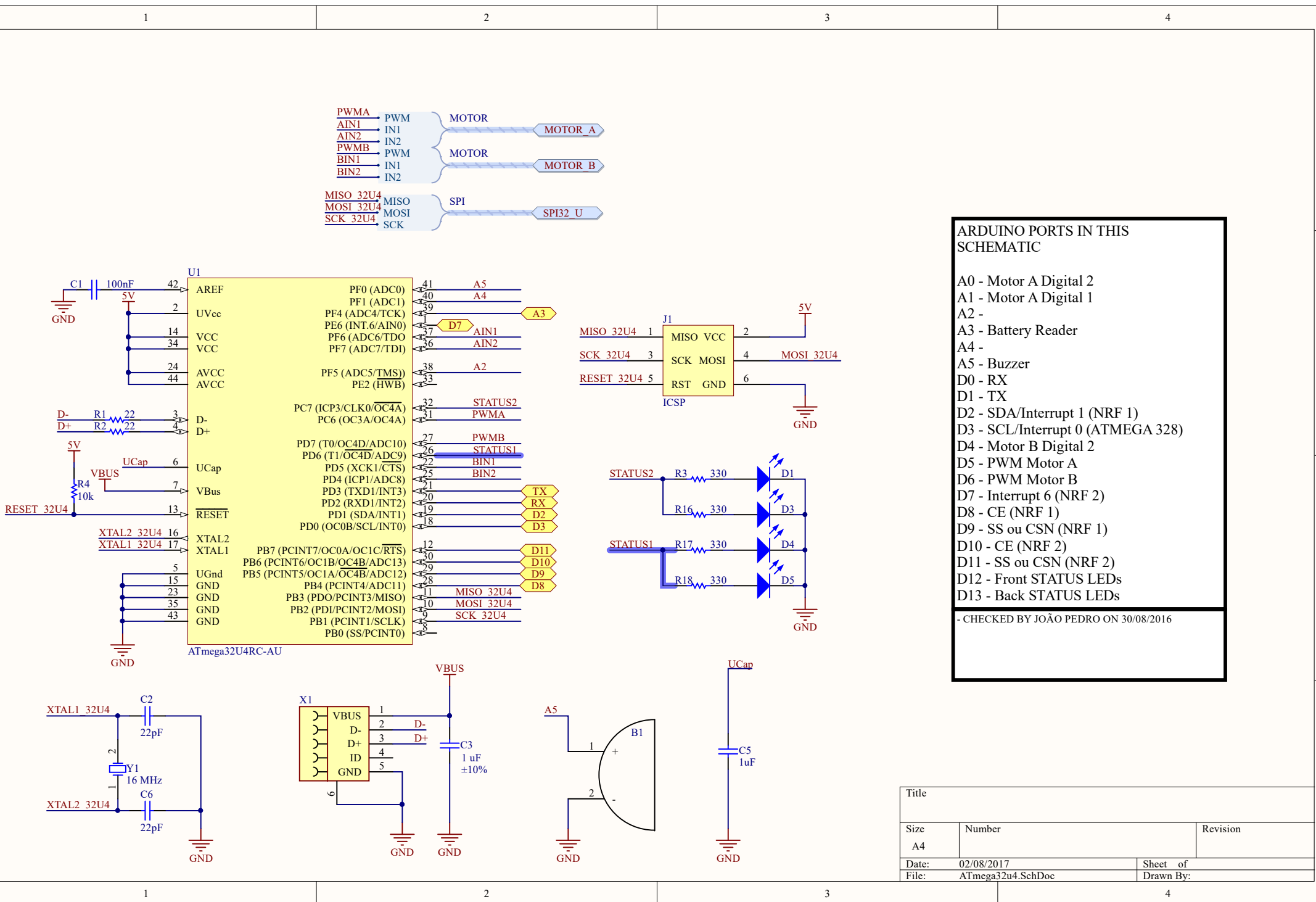


ARDUINO PORTS IN THIS SCHEMATIC

A0 -
A1 -
A2 -
A3 -
A4 - SDA
A5 - SCL
D0 - RX
D1 - TX
D2 - Motion Mouse sensor (Interrupt 0)
D3 - IMU (Interrupt 1)
D4 - Output to 32u4 uC
D5 -
D6 -
D7 -
D8 -
D9 -
D10 -
D11 -
D12 -
D13 -

Title		
Size A4	Number	Revision
Date: 02/08/2017	Sheet of	
File: ATmega328.SchDoc	Drawn By:	



ARDUINO PORTS IN THIS SCHEMATIC

A0 - Motor A Digital 2

A1 - Motor A Digital 1

A2 -

A3 - Battery Reader

A4 -

A5 - Buzzer

D0 - RX

D1 - TX

D2 - SDA/Interrupt 1 (NRF 1)

D3 - SCL/Interrupt 0 (ATMEGA 328)

D4 - Motor B Digital 2

D5 - PWM Motor A

D6 - PWM Motor B

D7 - Interrupt 6 (NRF 2)

D8 - CE (NRF 1)

D9 - SS ou CSN (NRF 1)

D10 - CE (NRF 2)

D11 - SS ou CSN (NRF 2)

D12 - Front STATUS LEDs

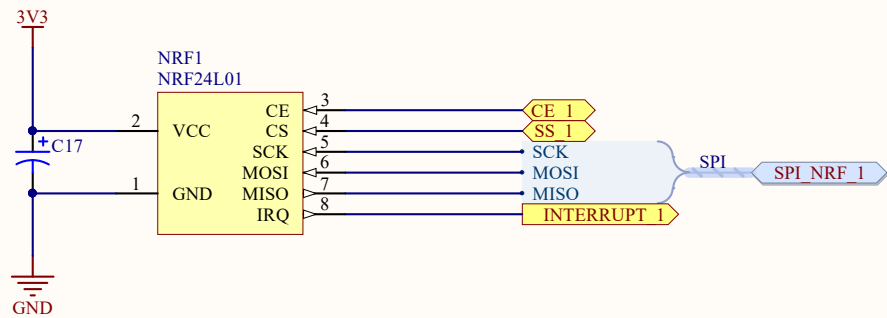
D13 - Back STATUS LEDs

- CHECKED BY JOÃO PEDRO ON 30/08/2016

Title		
Size	Number	Revision
A4		
Date:	02/08/2017	Sheet of
File:	ATmega32u4.SchDoc	Drawn By:

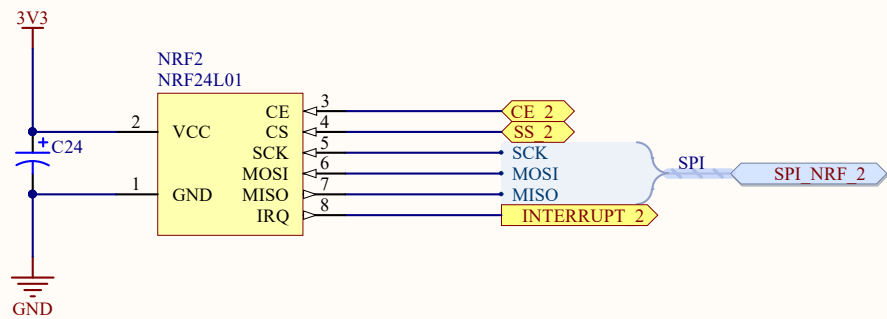
A

A



B

B



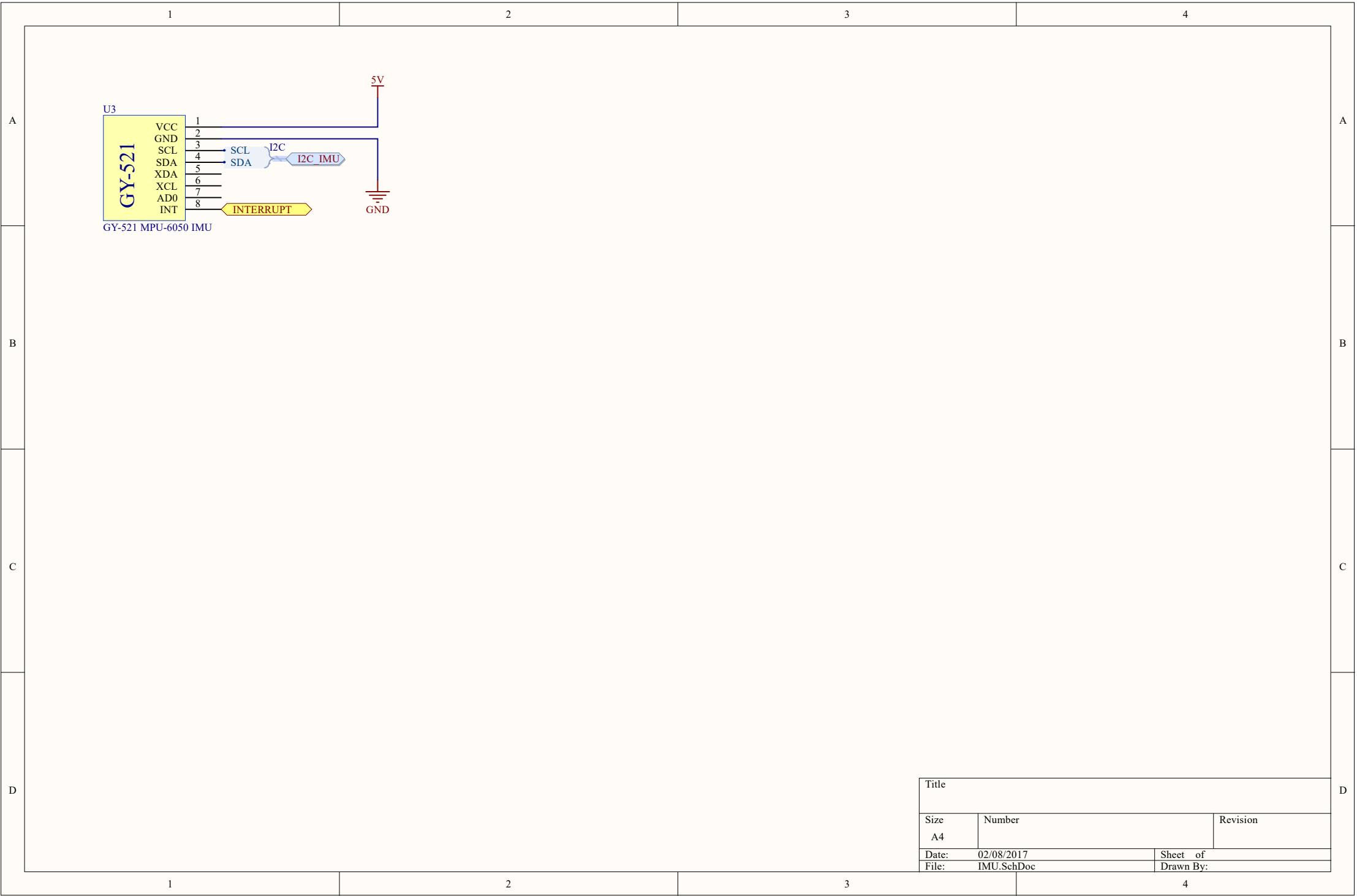
C

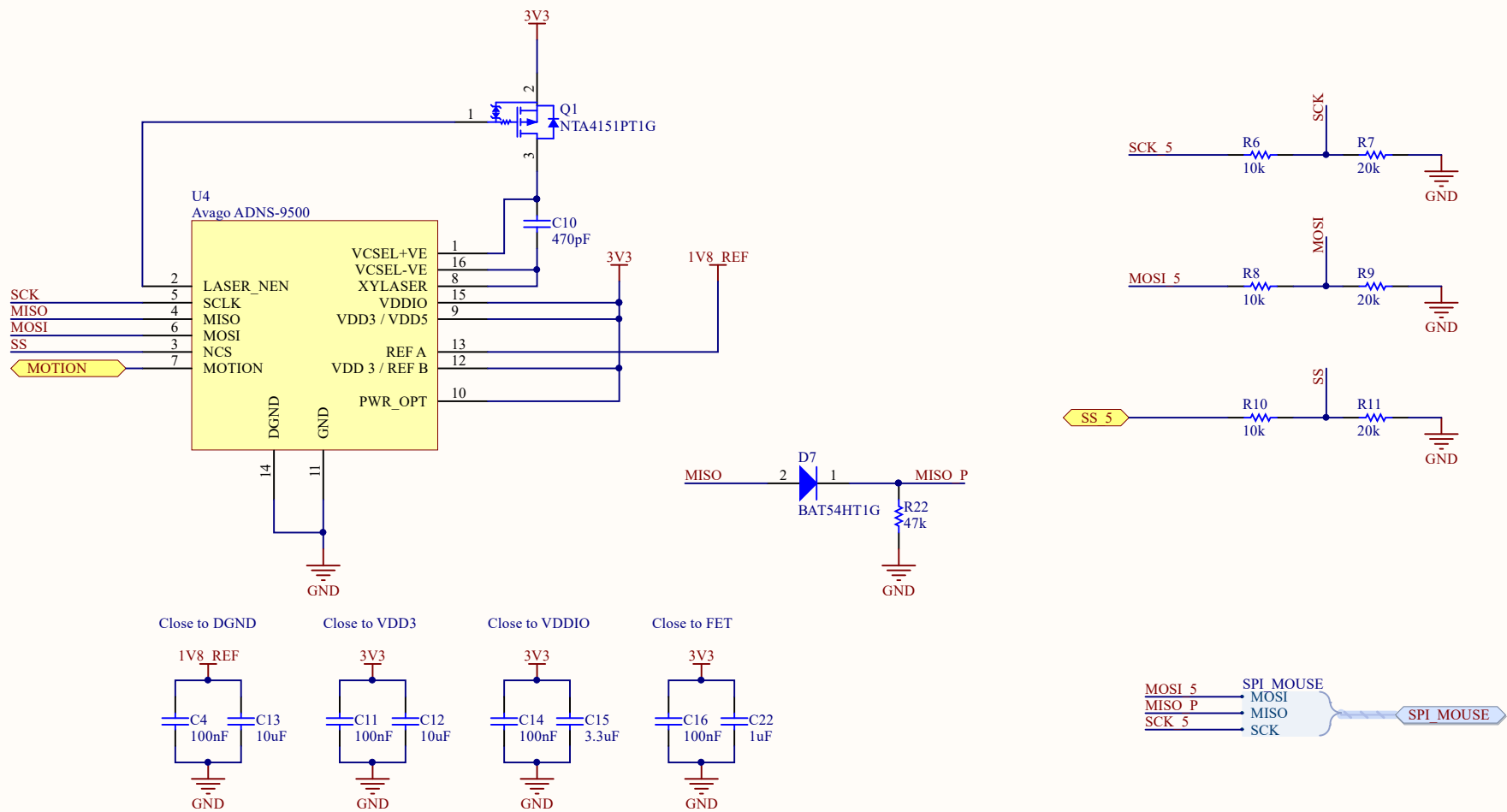
C

D

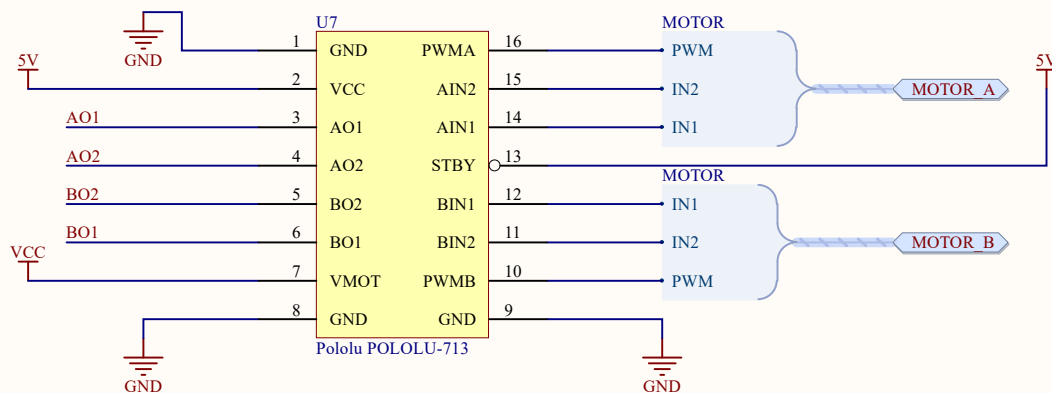
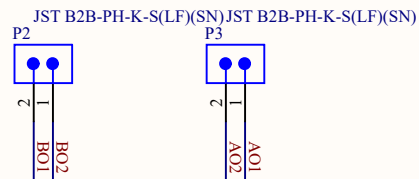
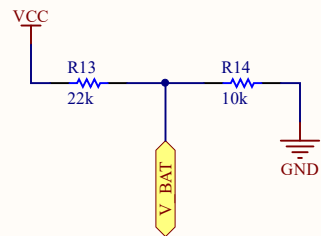
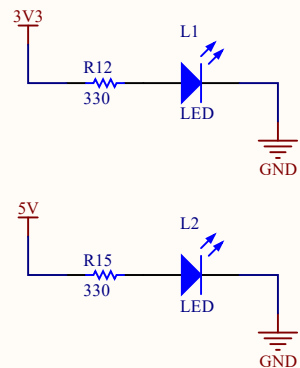
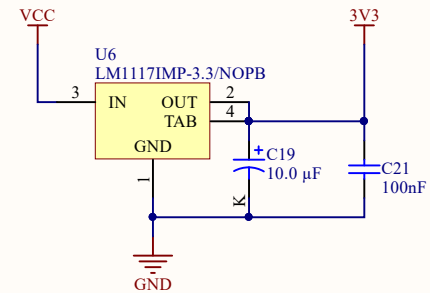
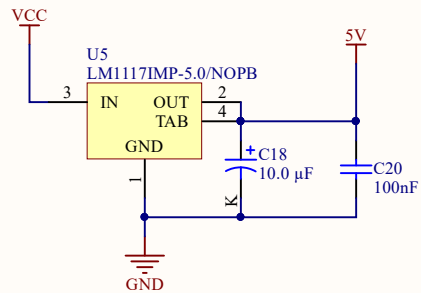
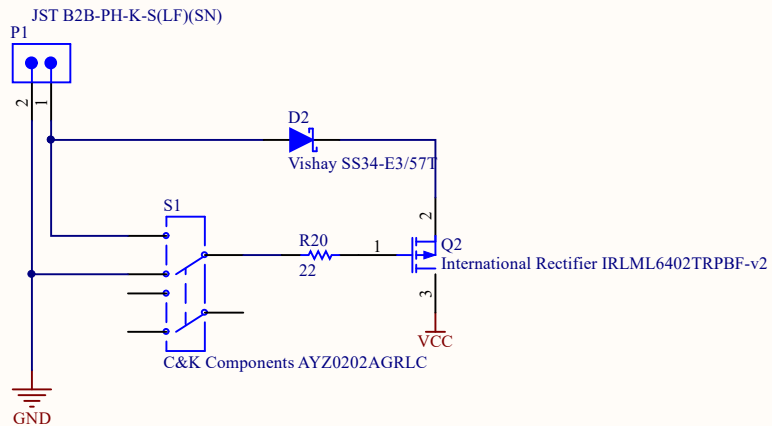
D

Title		
Size	Number	Revision
A		
Date:	02/08/2017	Sheet of
File:	Communication.SchDoc	Drawn By:





Title		
Size A4	Number	Revision
Date: 02/08/2017	Sheet of	
File: Mouse.SchDoc	Drawn By:	



Title		
Size A4	Number	Revision
Date: 02/08/2017	Sheet of	
File: Power Sheet.SchDoc	Drawn By:	

