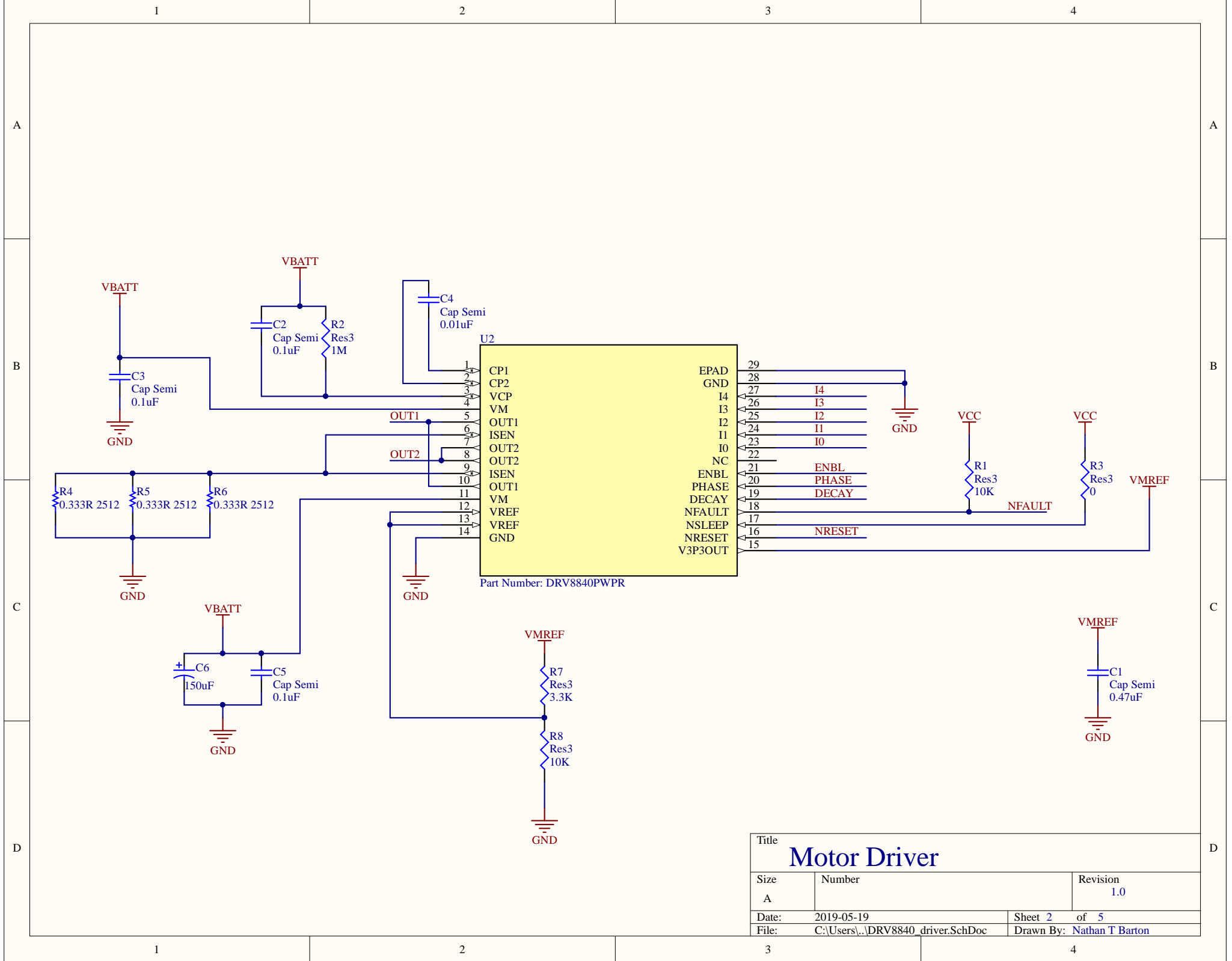


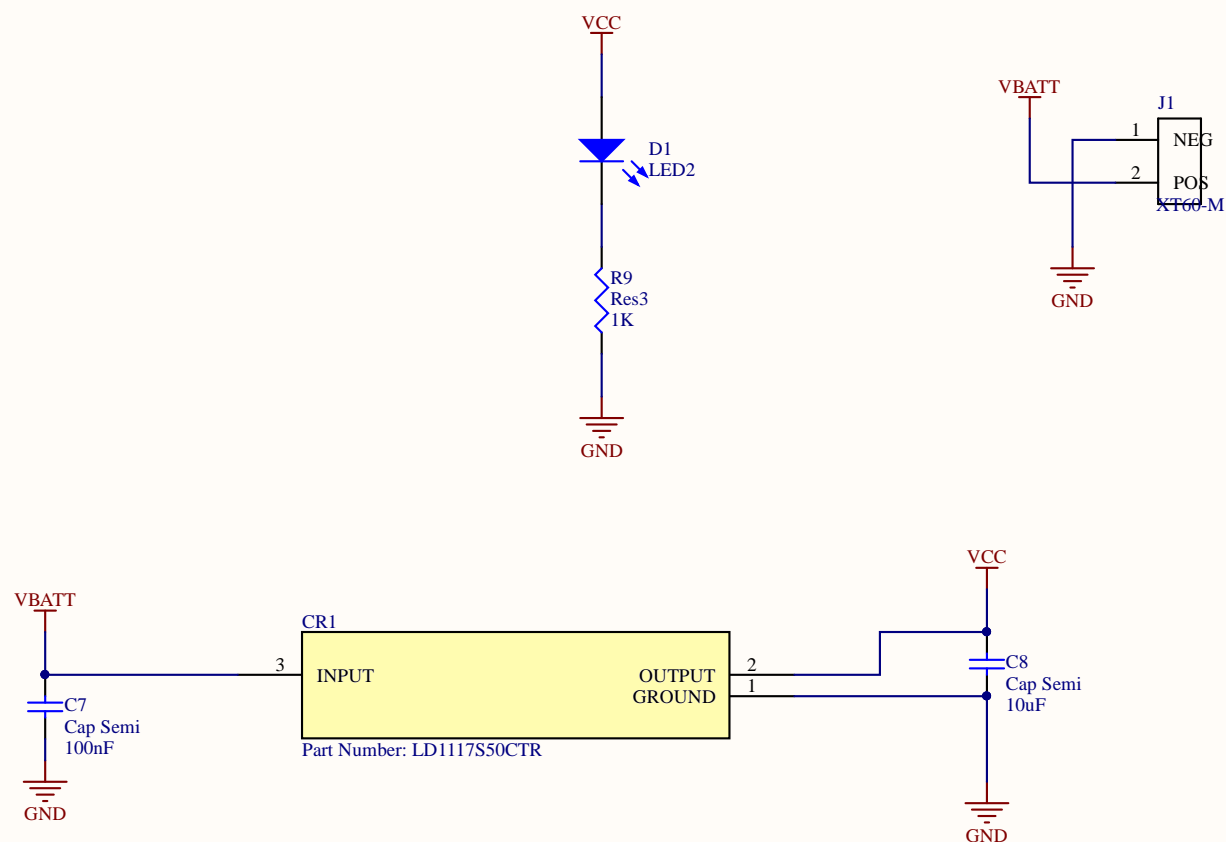
1		2		3		4	
A							A
B							B
C							C
D							D
1		2		3		4	

Title			
Title Page			
Size	Number		Revision
A			1.0
Date:	2019-05-19		Sheet 1 of 5
File:	C:\Users\...\SpoolBot_drive_PCB.SchDoc		Drawn By: Nathan T Barton

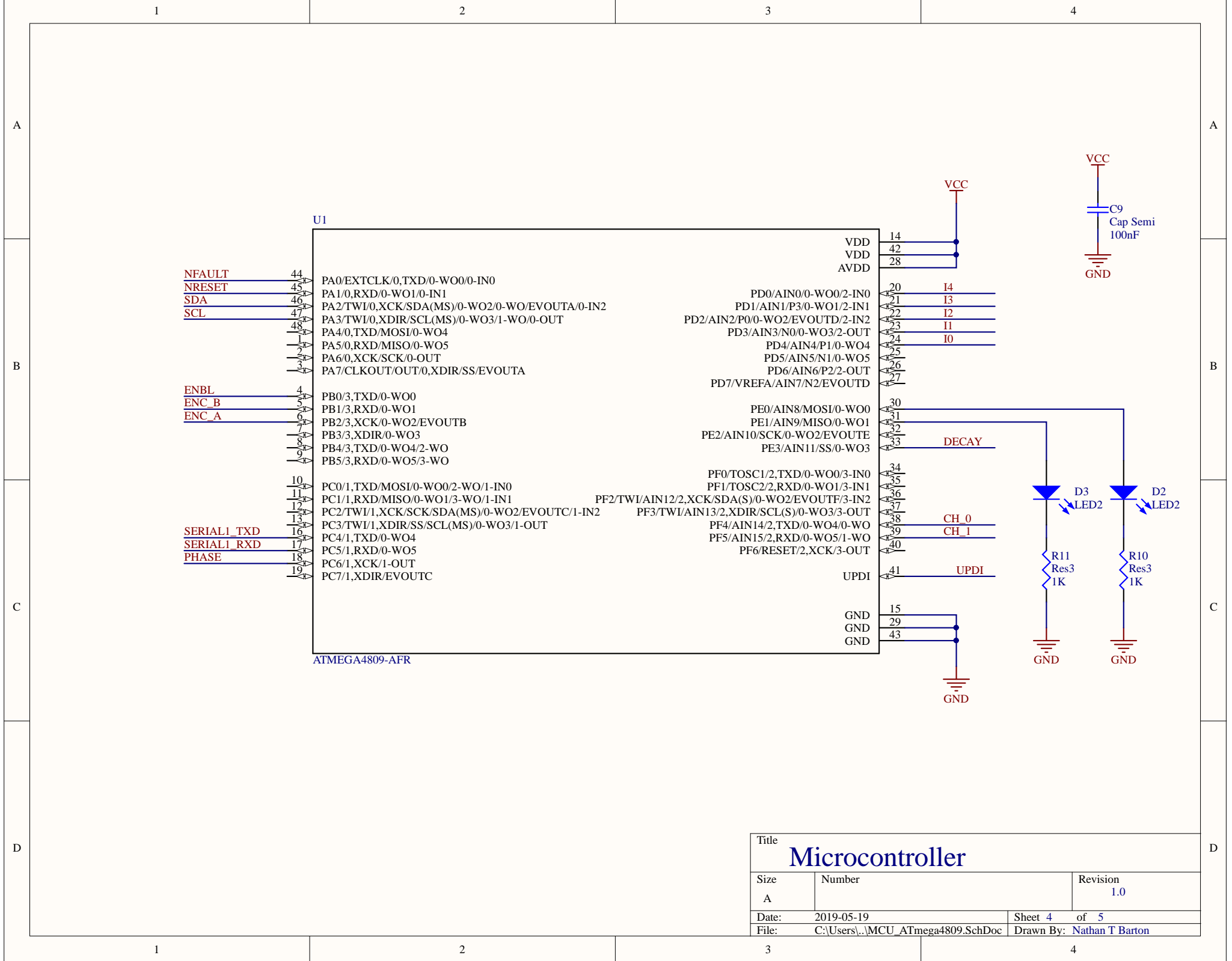


Title		
Motor Driver		
Size	Number	Revision
A		1.0
Date:	2019-05-19	Sheet 2 of 5
File:	C:\Users\...\DRV8840_driver.SchDoc	Drawn By: Nathan T Barton

- MH1
Mounting-Hole-Altium
- MH2
Mounting-Hole-Altium
- MH3
Mounting-Hole-Altium
- MH4
Mounting-Hole-Altium



Title		
Power Regulator		
Size	Number	Revision
A		1.0
Date:	2019-05-19	Sheet 3 of 5
File:	C:\Users\...\Power_regulator.SchDoc	Drawn By: Nathan T Barton



Title			Microcontroller	
Size	Number		Revision	
A			1.0	
Date:	2019-05-19		Sheet 4	of 5
File:	C:\Users\...\MCU_ATmega4809.SchDoc		Drawn By: Nathan T Barton	

A

A

B

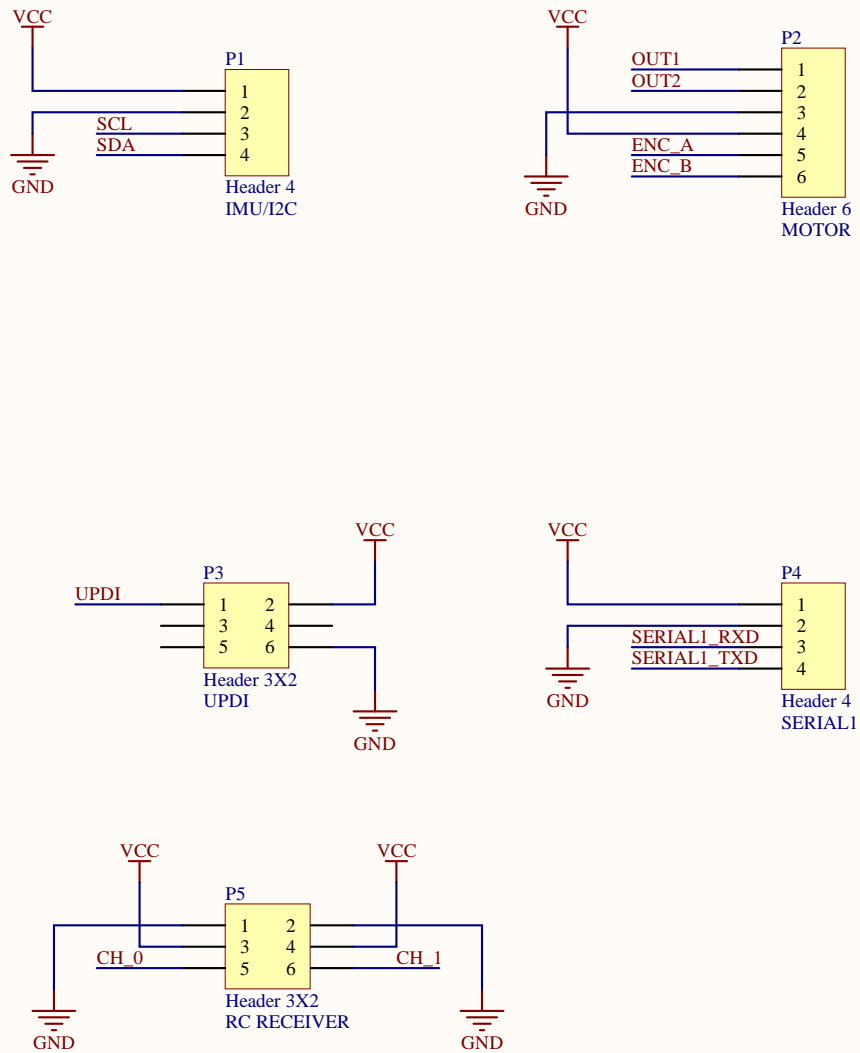
B

C

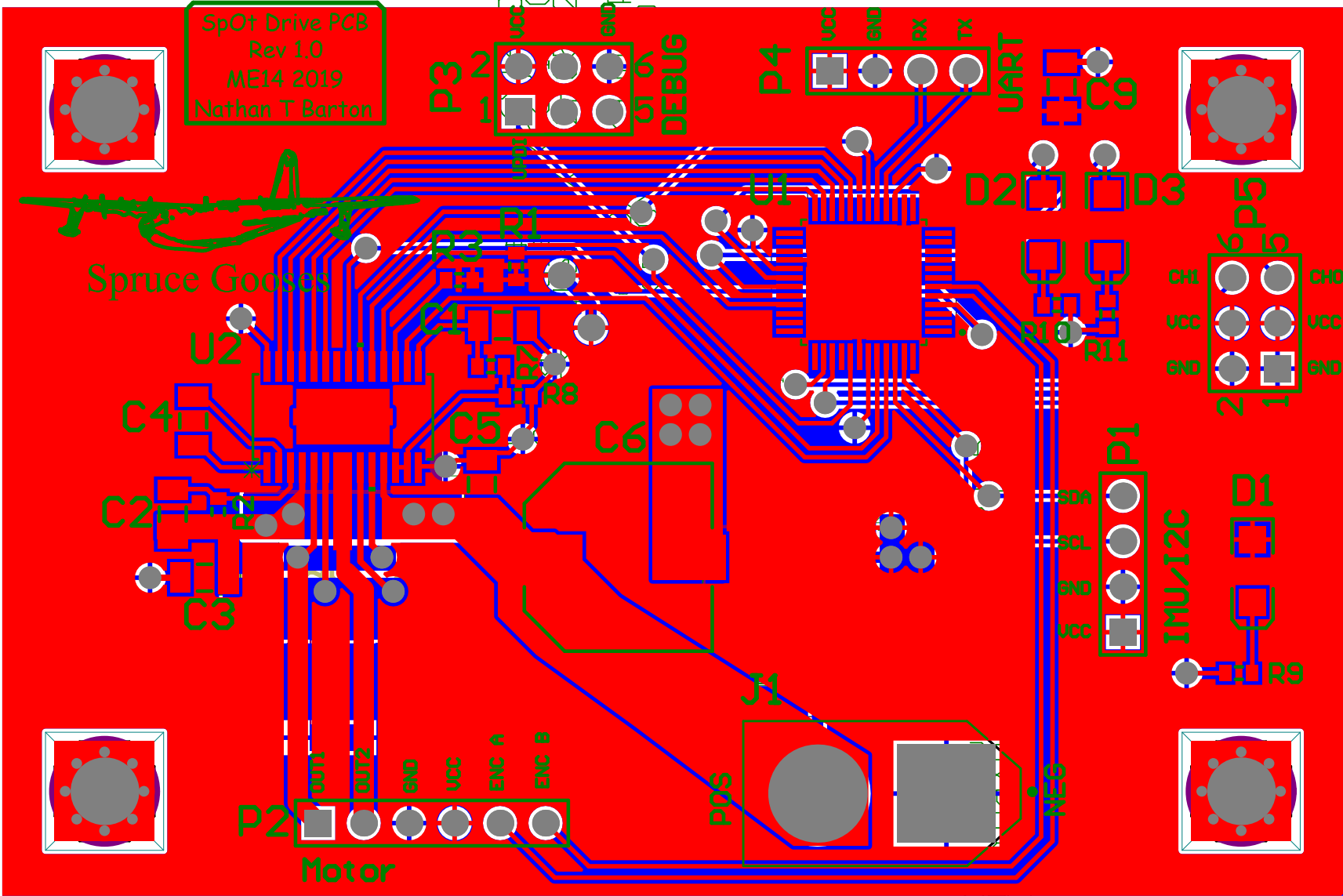
C

D

D



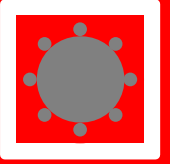
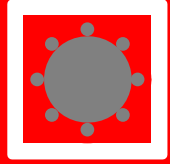
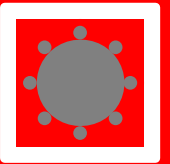
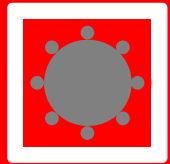
Title		
Connectors		
Size	Number	Revision
A		1.0
Date:	2019-05-19	Sheet 5 of 5
File:	C:\Users\...\Connectors.SchDoc	Drawn By: Nathan T Barton



T0D32Y23
B030P
90301
33D01

UCC
GND
RX
TX
P
IP
203p94D0T

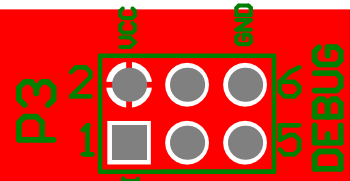
SpOt Drive PCB
Rev 1.0
ME14 2019
Nathan T Barton



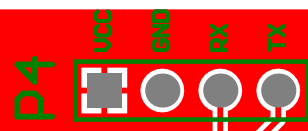
Spruce Gooses



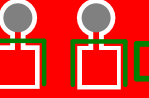
Motor



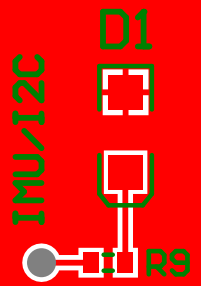
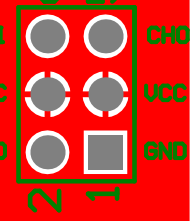
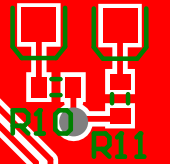
DEBUG



UART



D2 D3



IMU/I2C



SDA
SCL
GND
VCC



PDS

NEG

J1

C6

R8

R3 R1

C1

U2

C2

C3

C4

P2

OUT1

OUT2

GND

VCC

ENC A

ENC B

PDS

NEG

IMU/I2C

SDA
SCL
GND
VCC

D2 D3

UART

P4

DEBUG

P3

SpOt Drive PCB
Rev 1.0
ME14 2019
Nathan T Barton

