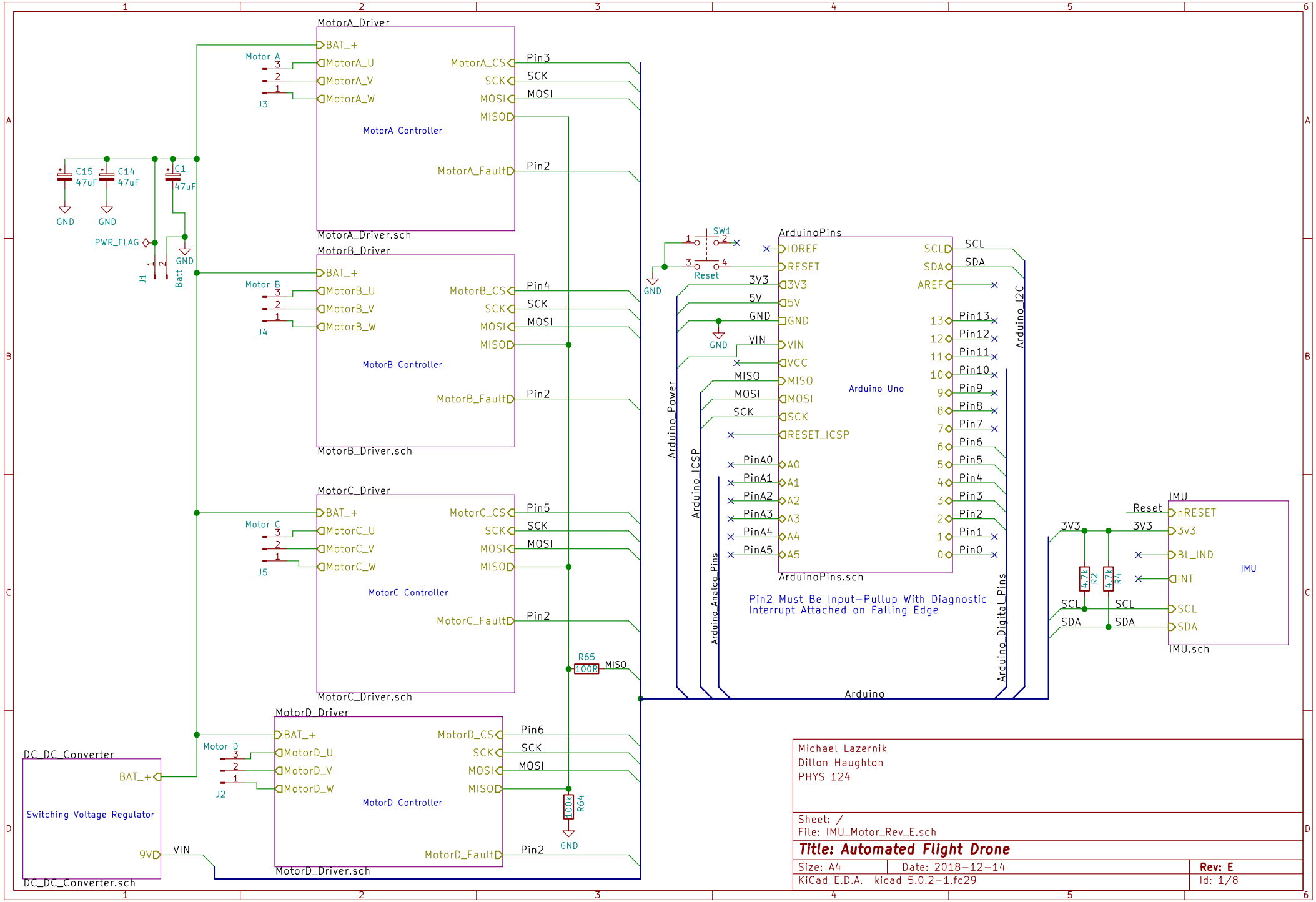
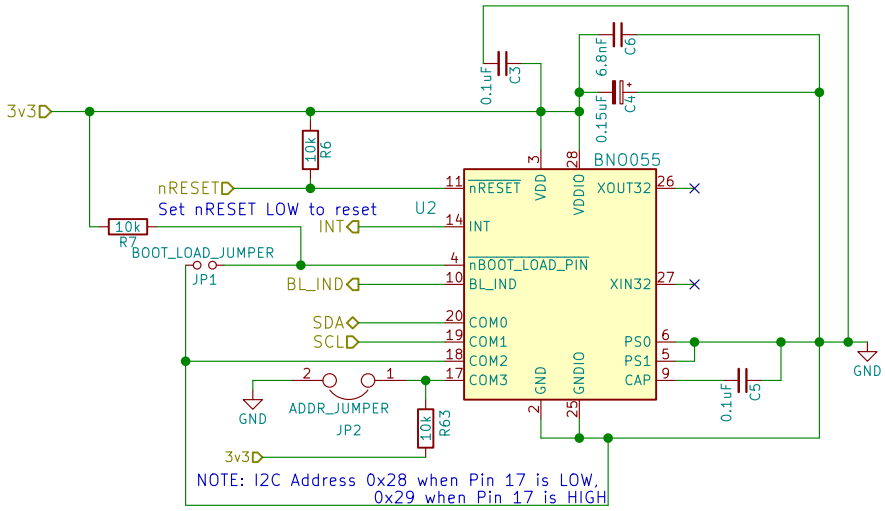
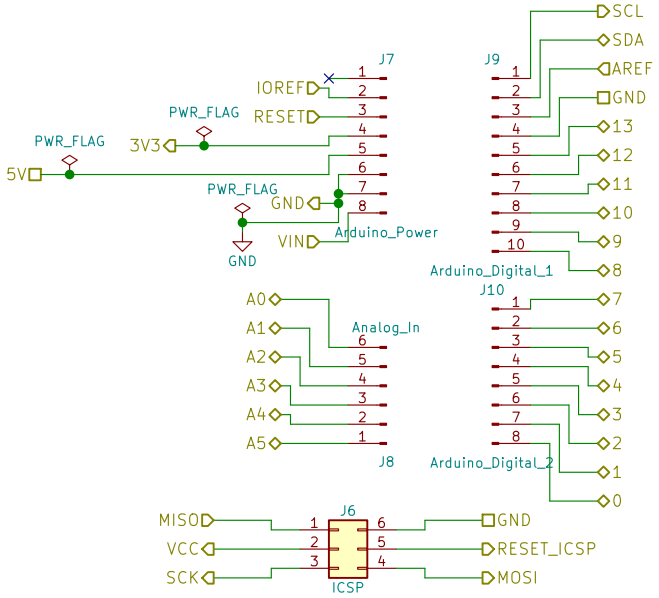

MotorA_Driver
BAT_+
Motor A
MotorA_U
MotorA_V
MotorA_W
J3
MotorA_CS
SCK
MOSI
MISO
MotorA_Fault
Pin3
SCK
MOSI
Pin2
MotorA Controller
MotorA_Driver.sch
C15 47uF
C14 47uF
C1 47uF
GND
PWR_FLAG
J1
Batt
MotorB_Driver
Motor B
J4
MotorB_U
MotorB_V
MotorB_W
MotorB_CS
Pin4
MotorB_Fault
MotorB Controller
MotorB_Driver.sch
MotorC_Driver
Motor C
J5
MotorC_U
MotorC_V
MotorC_W
MotorC_CS
Pin5
MotorC_Fault
MotorC Controller
MotorC_Driver.sch
R65 100R
MotorD_Driver
Motor D
J2
MotorD_U
MotorD_V
MotorD_W
MotorD_CS
Pin6
MotorD_Fault
MotorD Controller
MotorD_Driver.sch
R64 100k
DC_DC_Converter
Switching Voltage Regulator
9V
VIN
DC_DC_Converter.sch
SW1
Reset
ArduinoPins
IOREF
RESET
3V3
5V
GND
VIN
VCC
MISO
MOSI
SCK
RESET_ICSP
PinA0
PinA1
PinA2
PinA3
PinA4
PinA5
A0
A1
A2
A3
A4
A5
SCL
SDA
AREF
13 Pin13
12 Pin12
11 Pin11
10 Pin10
9 Pin9
8 Pin8
7 Pin7
6 Pin6
5 Pin5
4 Pin4
3 Pin3
2 Pin2
1 Pin1
0 Pin0
Arduino Uno
ArduinoPins.sch
Arduino_Power
Arduino_ICSP
Arduino_Analog_Pins
Arduino_Digital_Pins
Arduino_I2C
Arduino
Pin2 Must Be Input–Pullup With Diagnostic Interrupt Attached on Falling Edge
IMU
Reset
nRESET
3V3
3v3
BL_IND
INT
SCL
SDA
IMU.sch
4.7k R2
4.7k R4
Michael Lazernik
Dillon Haughton
PHYS 124
Sheet: /
File: IMU_Motor_Rev_E.sch
Title: Automated Flight Drone
Size: A4
Date: 2018-12-14
Rev: E
KiCad E.D.A. kicad 5.0.2-1.fc29
Id: 1/8



Michael Lazernik Dillon Haughton PHYS 124	
Sheet: /IMU/ File: IMU.sch	
Title: Automated Flight Drone	
Size: A4	Date: 2018-12-14
KiCad E.D.A. kicad 5.0.2-1.fc29	Id: 2/8

Rev: E

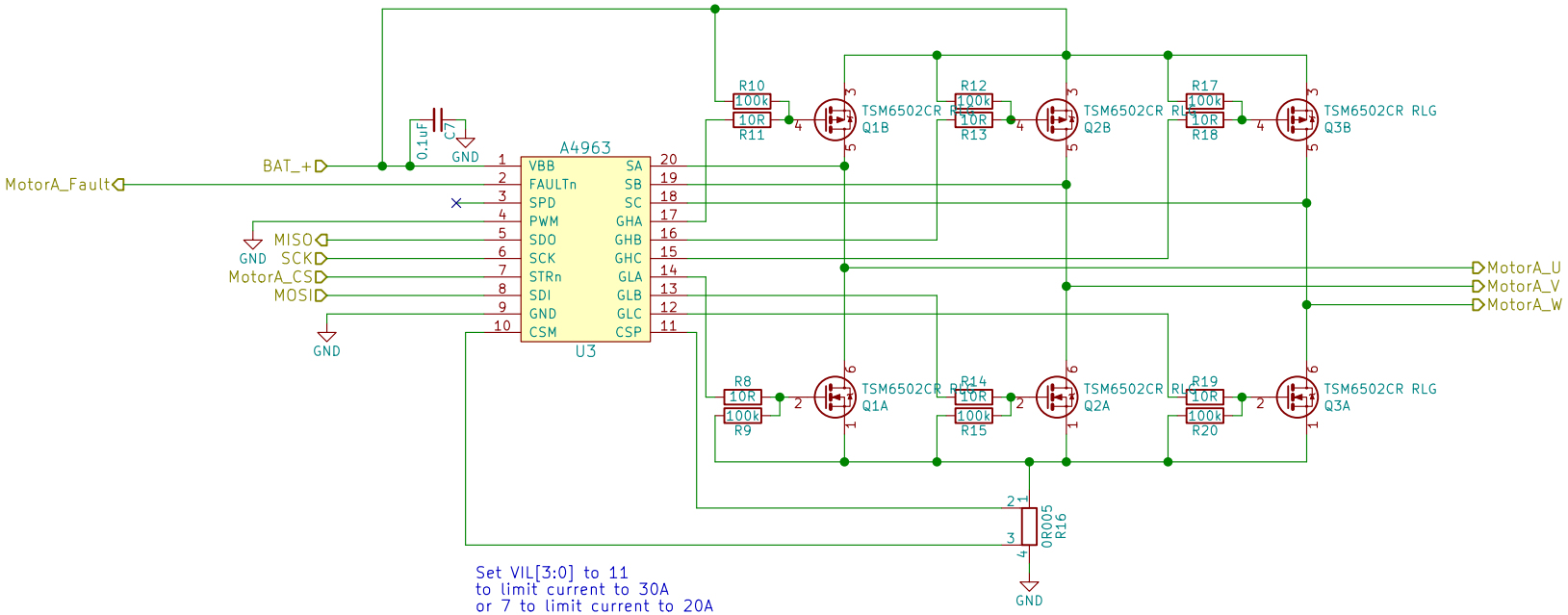


Michael Lazernik
Dillon Haughton
PHYS 124

Sheet: /ArduinoPins/
File: ArduinoPins.sch

Title: Automated Flight Drone

Size: A4	Date: 2018-12-14	**Rev: E**
KiCad E.D.A. kicad 5.0.2-1.fc29		Id: 3/8

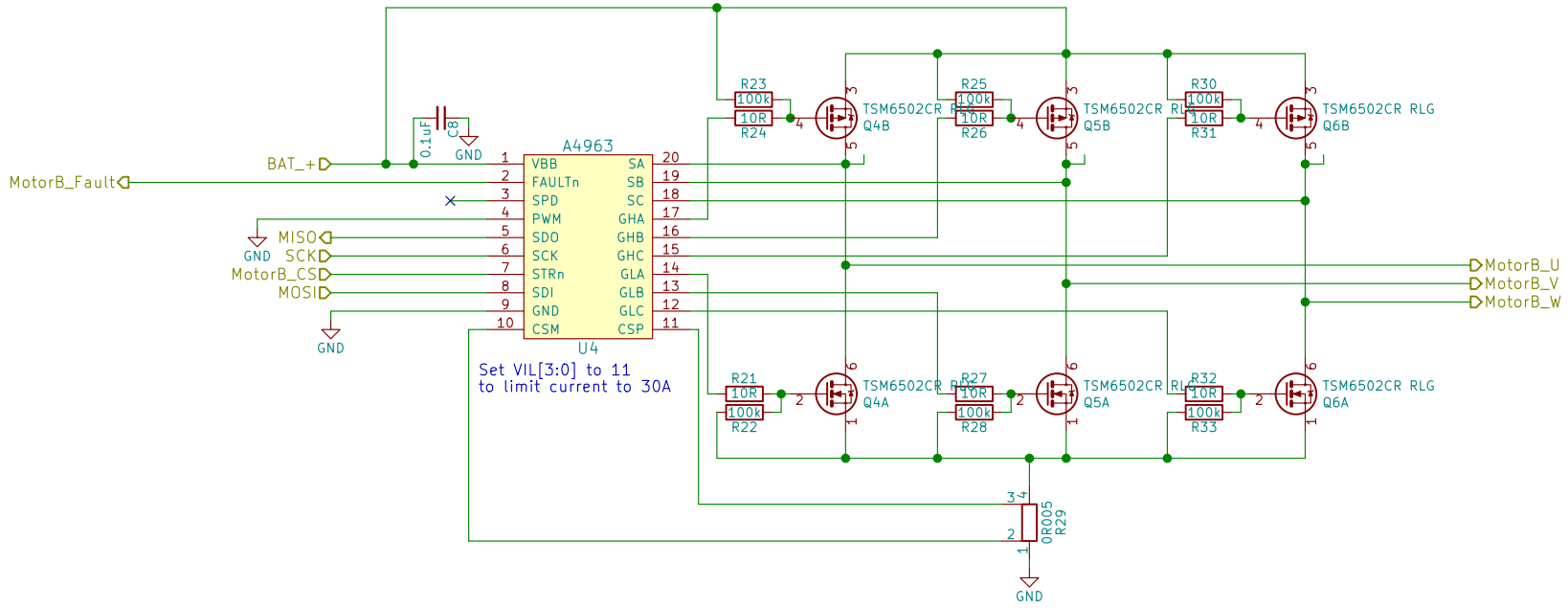


Michael Lazernik
Dillon Haughton
PHYS 124

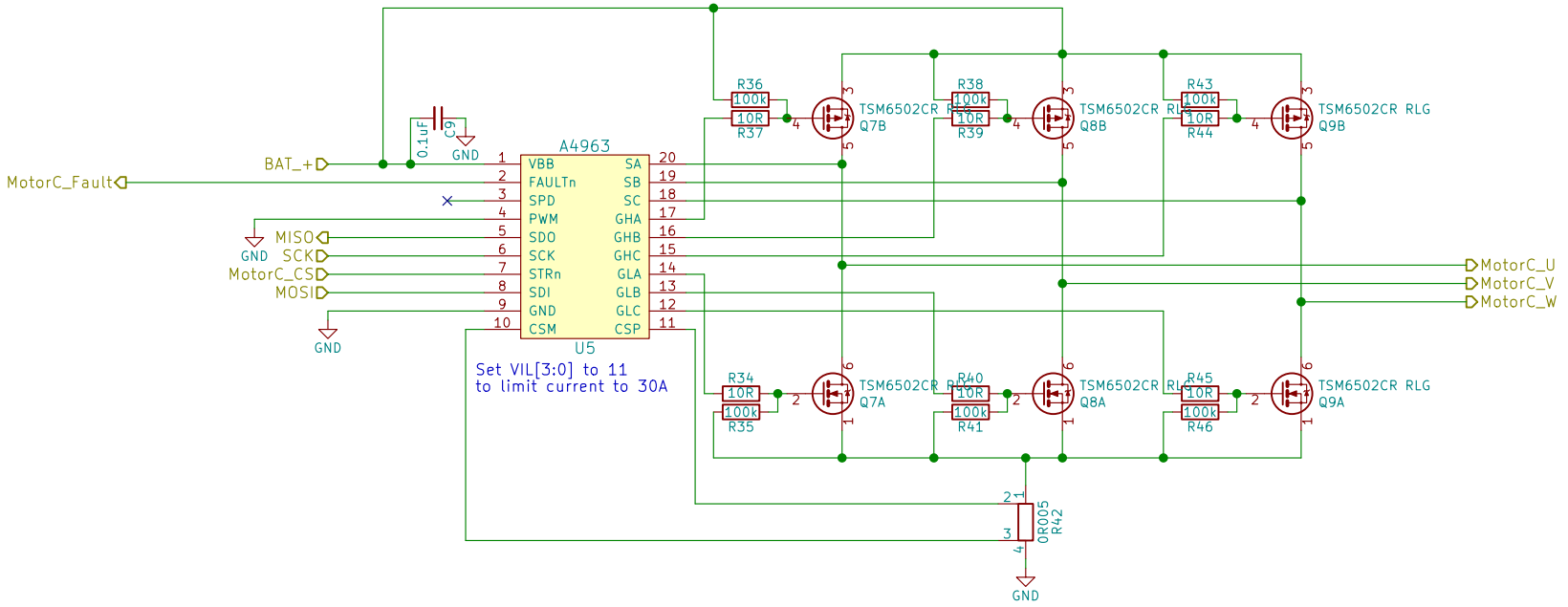
Sheet: /MotorA_Driver/
File: MotorA_Driver.sch

Title: Automated Flight Drone

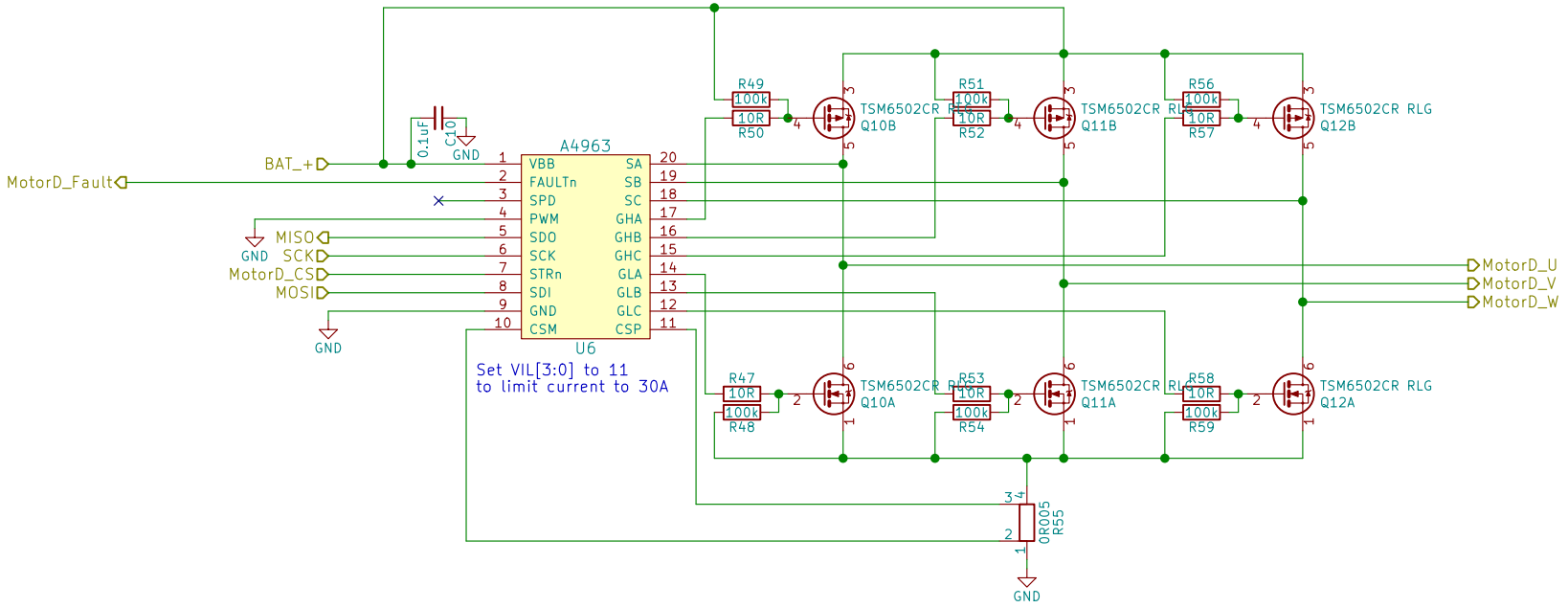
Size: A4	Date: 2018-12-14	**Rev: E**
KiCad E.D.A. kicad 5.0.2-1.fc29		Id: 4/8



Michael Lazernik Dillon Haughton PHYS 124		
Sheet: /MotorB_Driver/ File: MotorB_Driver.sch		
Title: Automated Flight Drone		
Size: A4	Date: 2018-12-14	**Rev: E**
KiCad E.D.A. kicad 5.0.2-1.fc29		Id: 5/8

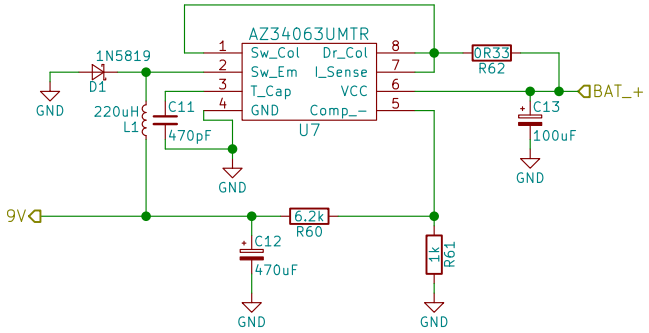


Michael Lazernik Dillon Haughton PHYS 124		
Sheet: /MotorC_Driver/ File: MotorC_Driver.sch		
Title: Automated Flight Drone		
Size: A4	Date: 2018-12-14	**Rev: E**
KiCad E.D.A. kicad 5.0.2-1.fc29		Id: 6/8



Michael Lazernik Dillon Haughton PHYS 124	
Sheet: /MotorD_Driver/ File: MotorD_Driver.sch	
Title: Automated Flight Drone	
Size: A4	Date: 2018-12-14
KiCad E.D.A. kicad 5.0.2-1.fc29	Id: 7/8

Rev: E



Michael Lazernik Dillon Haughton PHYS 124	
Sheet: /DC_DC_Converter/ File: DC_DC_Converter.sch	
Title: Automated Flight Drone	
Size: A4	Date: 2018-12-14
KiCad E.D.A. kicad 5.0.2-1.fc29	Id: 8/8

Rev: E