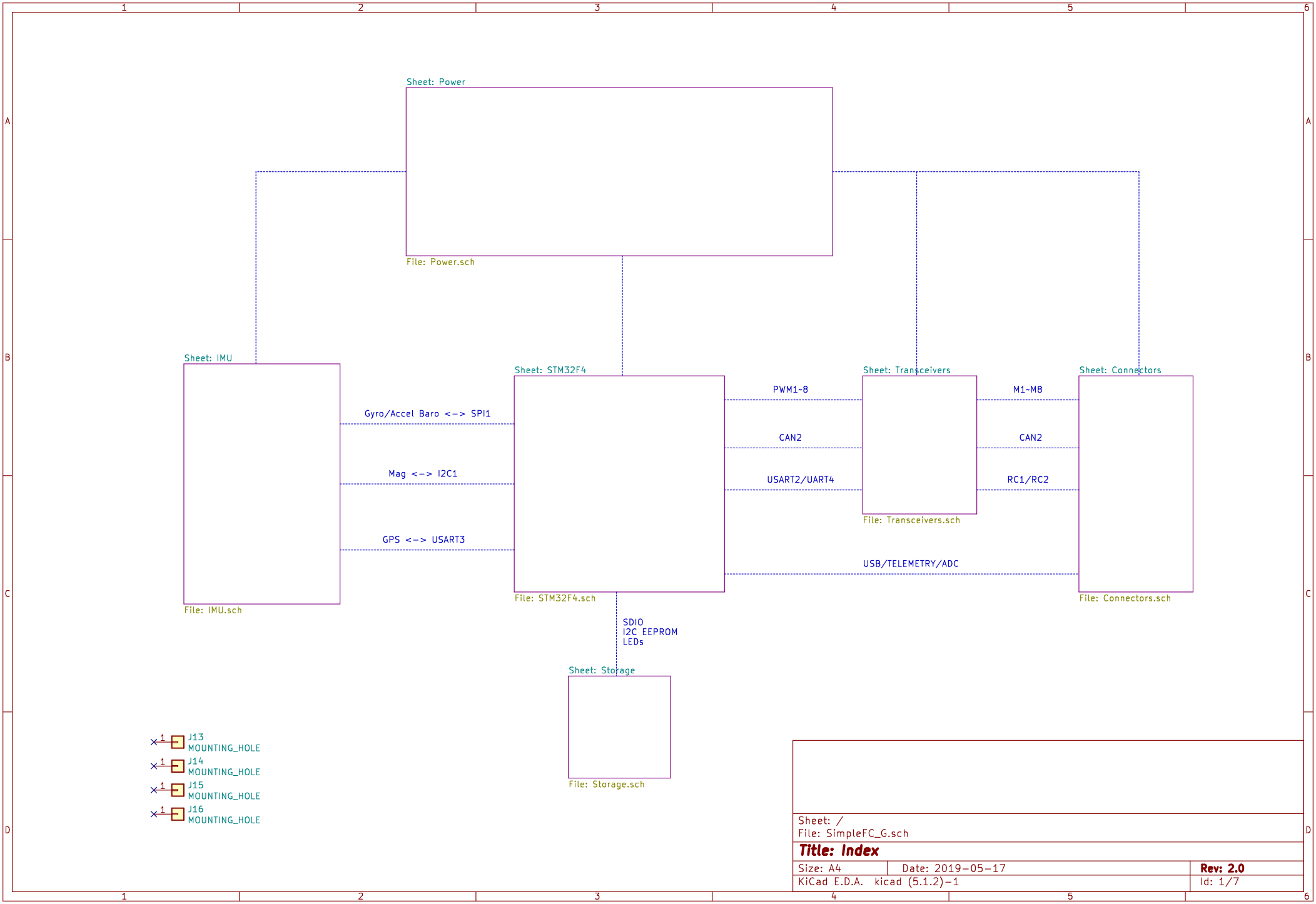
Sheet: Power
File: Power.sch
Sheet: IMU
File: IMU.sch
Sheet: STM32F4
File: STM32F4.sch
Sheet: Transceivers
File: Transceivers.sch
Sheet: Connectors
File: Connectors.sch
Sheet: Storage
File: Storage.sch
Gyro/Accel Baro <-> SPI1
Mag <-> I2C1
GPS <-> USART3
PWM1~8
CAN2
USART2/UART4
M1~M8
CAN2
RC1/RC2
USB/TELEMETRY/ADC
SDIO
I2C EEPROM
LEDs
J13
MOUNTING_HOLE
J14
MOUNTING_HOLE
J15
MOUNTING_HOLE
J16
MOUNTING_HOLE
Sheet: /
File: SimpleFC_G.sch
Title: Index
Size: A4
Date: 2019-05-17
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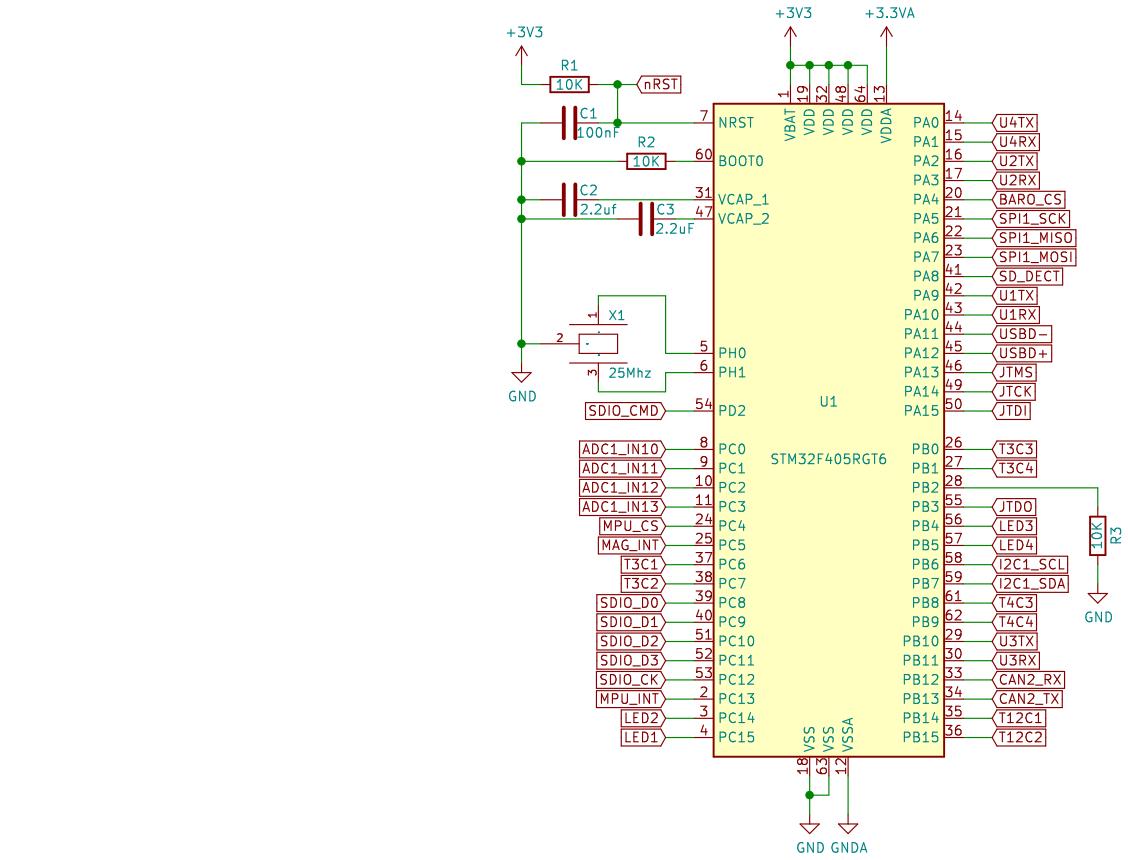
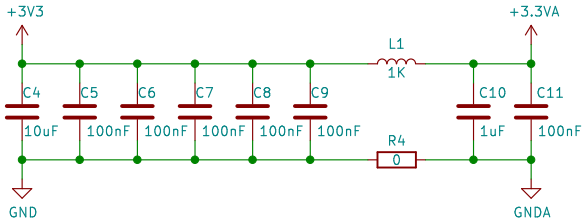
KiCad E.D.A. kicad (5.1.2)-1
Id: 1/7





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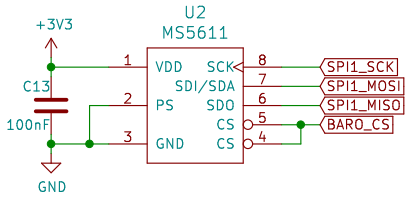
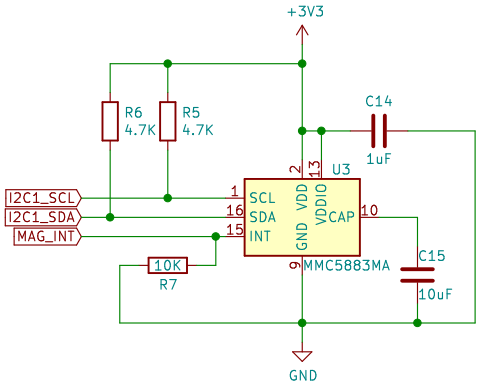
File: STM32F4.sch		
Title: STM32F4 MCU		
Size: A4	Date: 2019-05-17	**Rev: 2.0**
KiCad E.D.A. kicad (5.1.2)-1		Id: 2/7

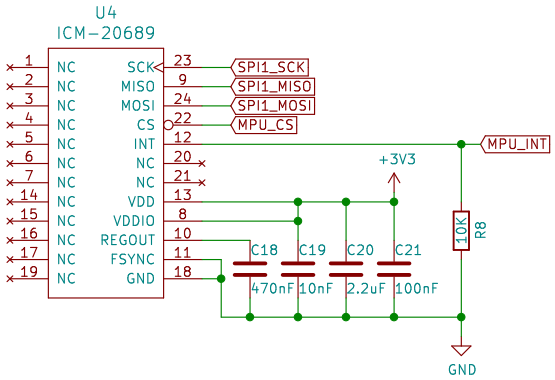
Barometer



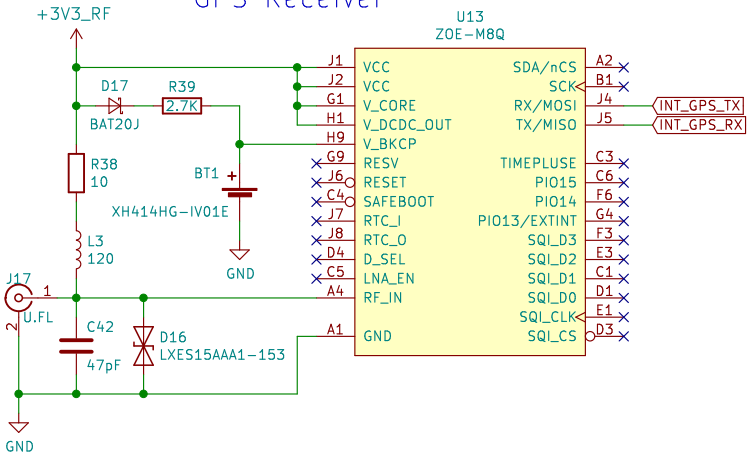
Magnetometer



Gyroscope and Accelerometer



GPS Receiver



Sheet: /IMU/ File: IMU.sch		
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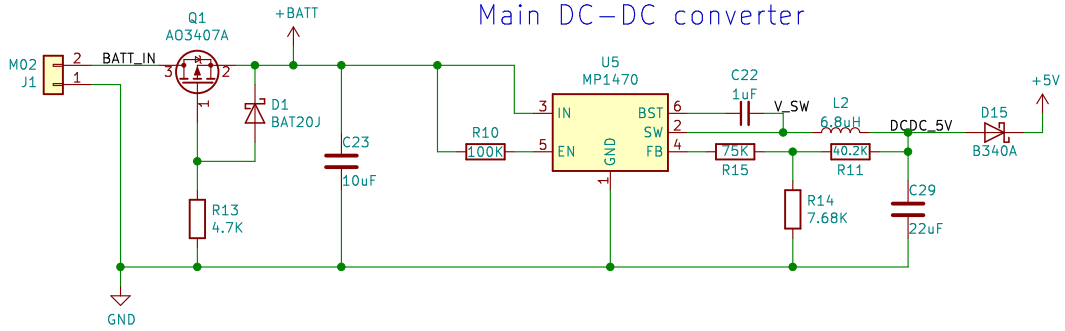
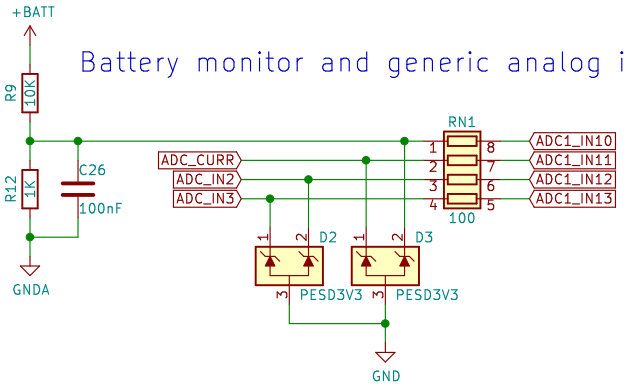
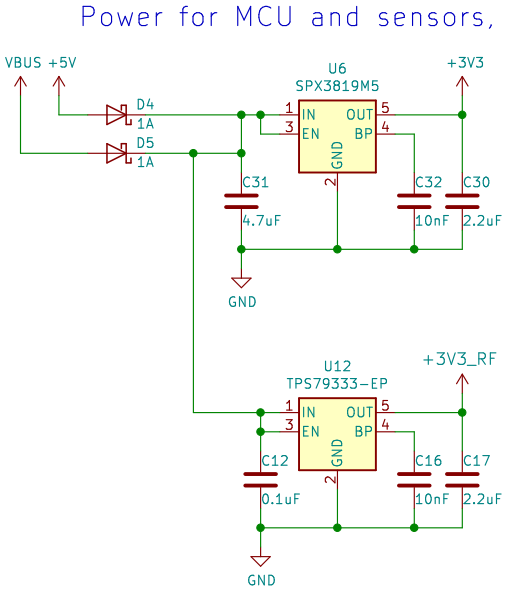
Size: A4	Date: 2019-05-17	**Rev: 2.0**
KiCad E.D.A. kicad (5.1.2)-1		Id: 3/7







Sheet: /Power/		
File: Power.sch		
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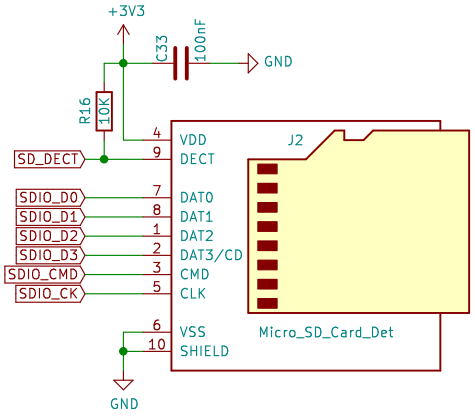
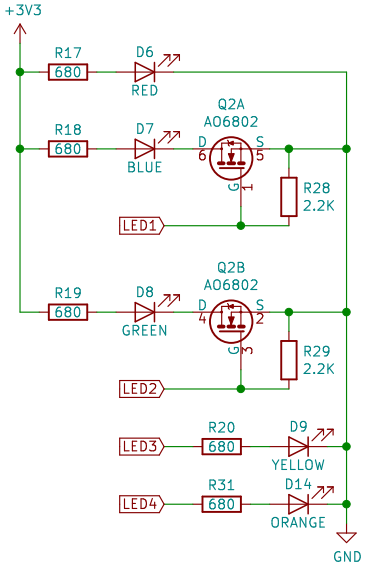
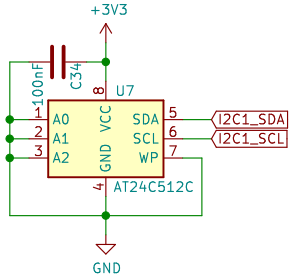
Size: A4	Date: 2019-05-17	**Rev: 2.0**
KiCad E.D.A. kicad (5.1.2)-1		Id: 4/7

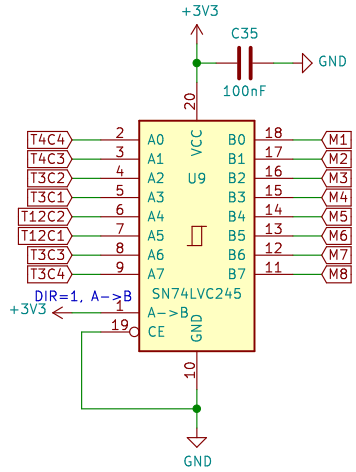


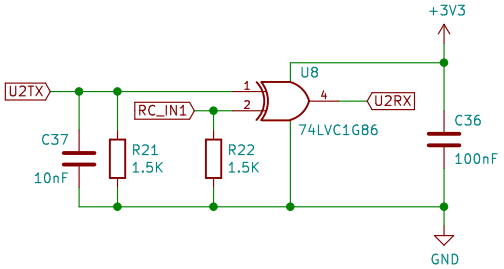


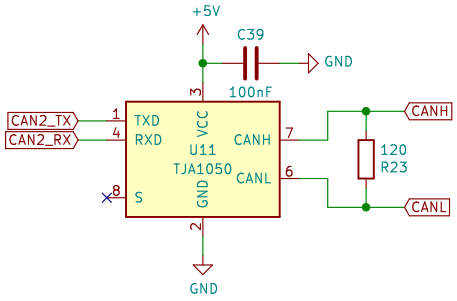


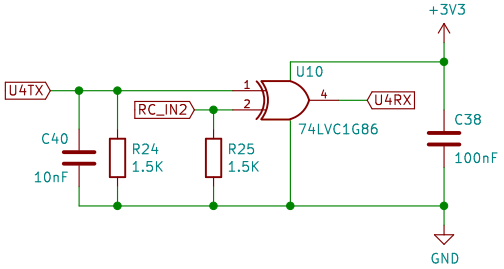
I2C Addr: 0xA0 (0b10100000)

Sheet: /Storage/		
File: Storage.sch		
Title: SD Card and EEPROM		
Size: A4	Date: 2019-05-17	**Rev: 2.0**
KiCad E.D.A. kicad (5.1.2)-1		Id: 5/7





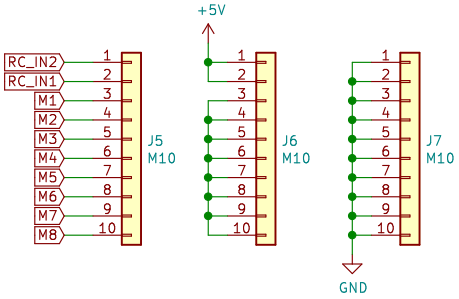




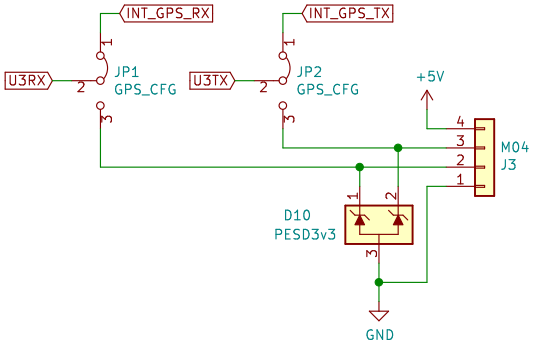
Sheet: /Transceivers/
File: Transceivers.sch

Title: Transceivers

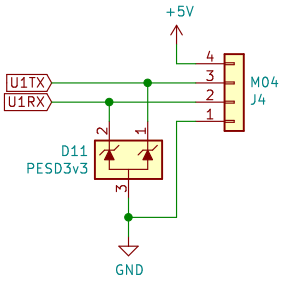
Size: A4	Date: 2019-05-17	**Rev: 2.0**
KiCad E.D.A. kicad (5.1.2)-1		Id: 6/7



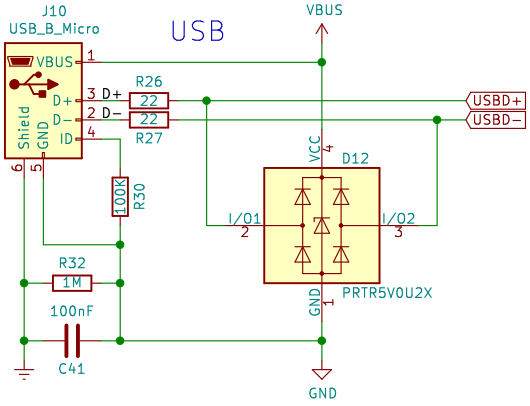
PWM Outputs and RC Inputs

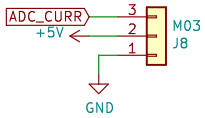


External GPS

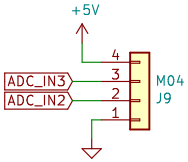


Telemetry

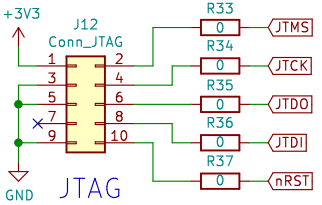




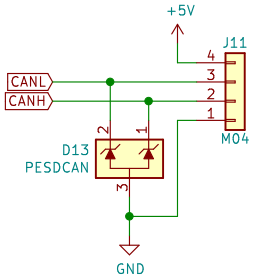
Current Monitor



Generic Analog Inputs



JTAG



CAN Bus

Sheet: /Connectors/
File: Connectors.sch

Title: IO Connectors

Size: A4	Date: 2019-05-17	**Rev: 2.0**
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