Avionics

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File: Sensors.sch

Sheet: Transceiver 4

File: RFtransciever.sch

Designer	Date	Rev	Reviewed By
J Peterson	Oct 20. 2019	A	

Sheet: /
File: AvionicsRev1.sch

Title:

Size: A4	Date:	**Rev:**
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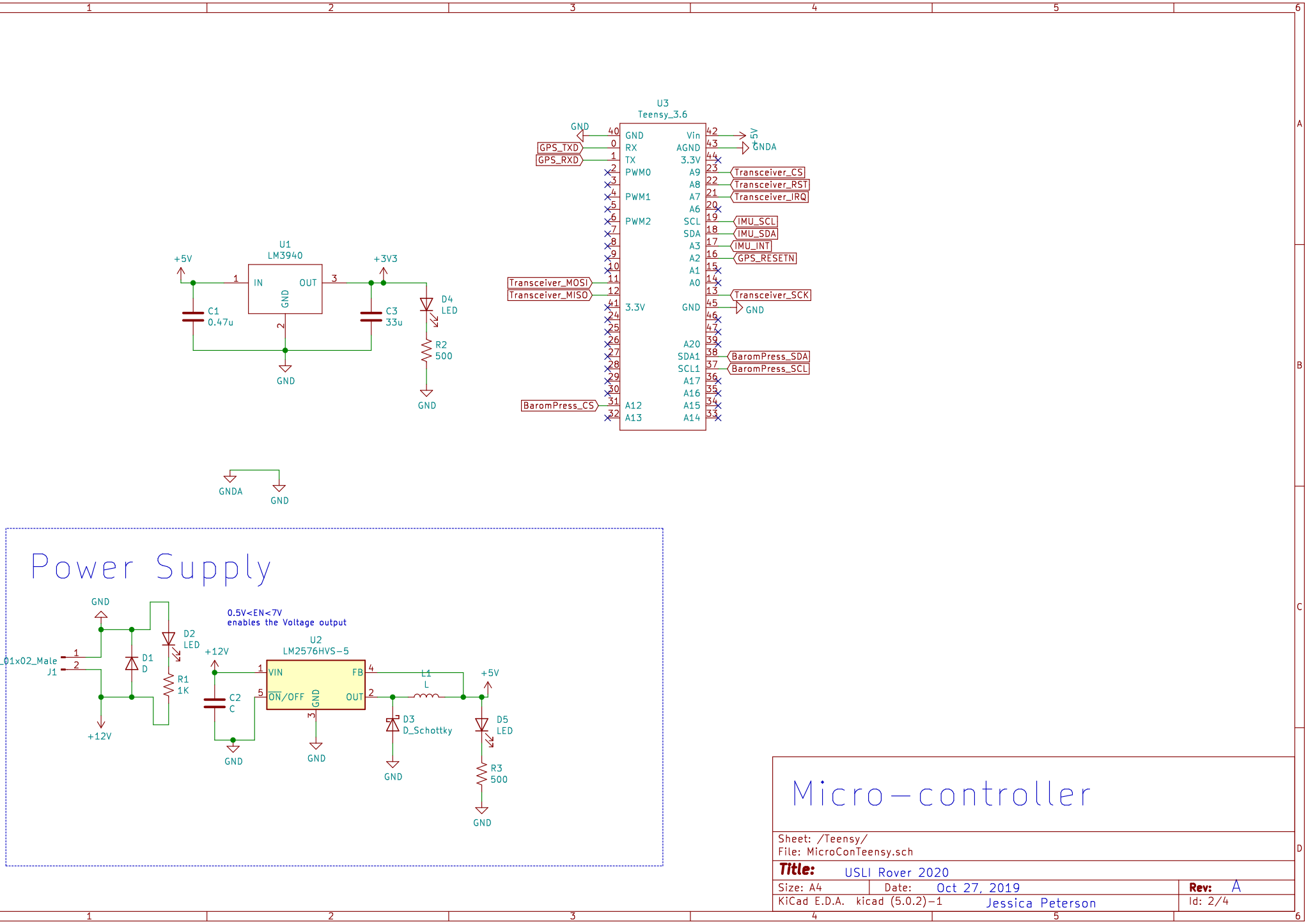
U1
LM3940
+5V
IN
OUT
GND
+3V3
C1
0.47u
C3
33u
D4
LED
R2
500
GND
GND
U3
Teensy_3.6
GND
GPS_TXD
GPS_RXD
Transceiver_MOSI
Transceiver_MISO
BaromPress_CS
GND
RX
TX
PWM0
PWM1
PWM2
3.3V
A12
A13
Vin
AGND
3.3V
A9
A8
A7
A6
SCL
SDA
A3
A2
A1
A0
GND
A20
SDA1
SCL1
A17
A16
A15
A14
+5V
GNDA
Transceiver_CS
Transceiver_RST
Transceiver_IRQ
IMU_SCL
IMU_SDA
IMU_INT
GPS_RESETN
Transceiver_SCK
GND
BaromPress_SDA
BaromPress_SCL
GNDA
GND
Power Supply
GND
Conn_01x02_Male
J1
D1
D
D2
LED
R1
1K
+12V
0.5V<EN<7V
enables the Voltage output
U2
LM2576HVS-5
+12V
VIN
ON/OFF
GND
FB
OUT
L1
L
+5V
C2
C
GND
GND
D3
D_Schottky
GND
D5
LED
R3
500
GND
Micro-controller
Sheet: /Teensy/
File: MicroConTeensy.sch
Title: USLI Rover 2020
Size: A4
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Jessica Peterson
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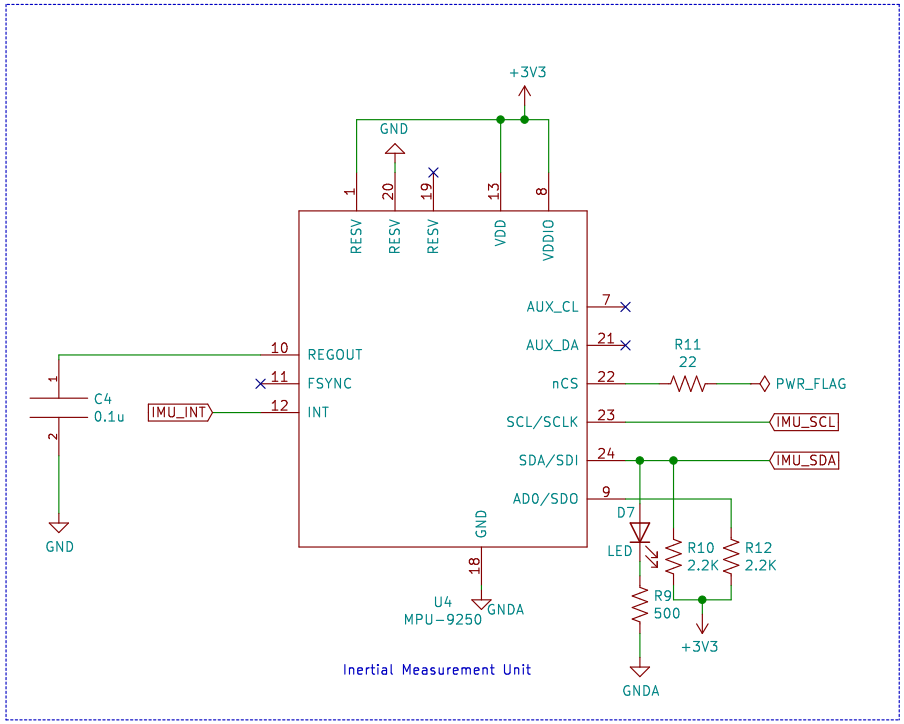

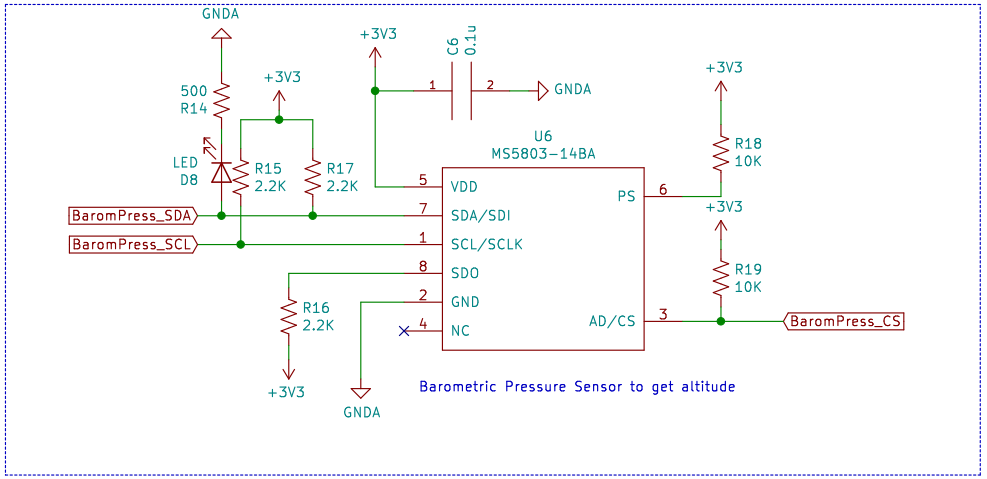

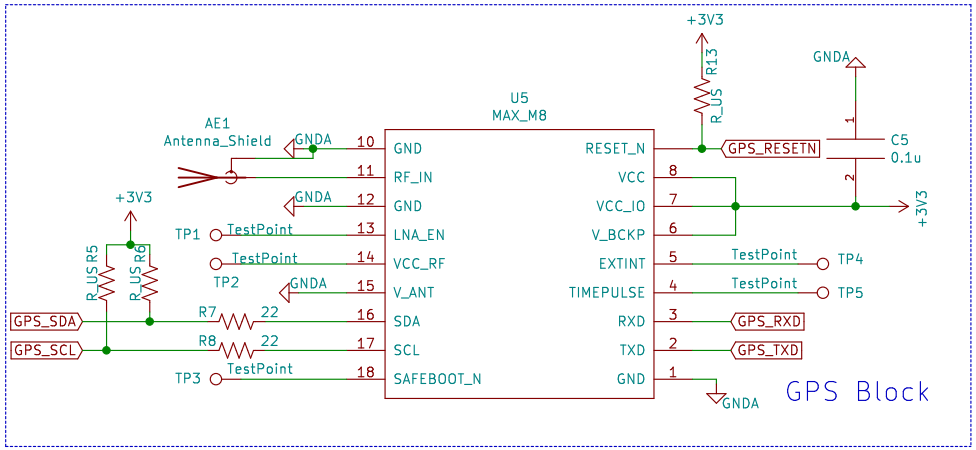

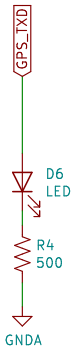

Sensors

Sheet: /Sensors/	
File: Sensors.sch	
Title: USLI Avionics and Telemetry Unit	
Size: A4	Date: Oct 20, 2019
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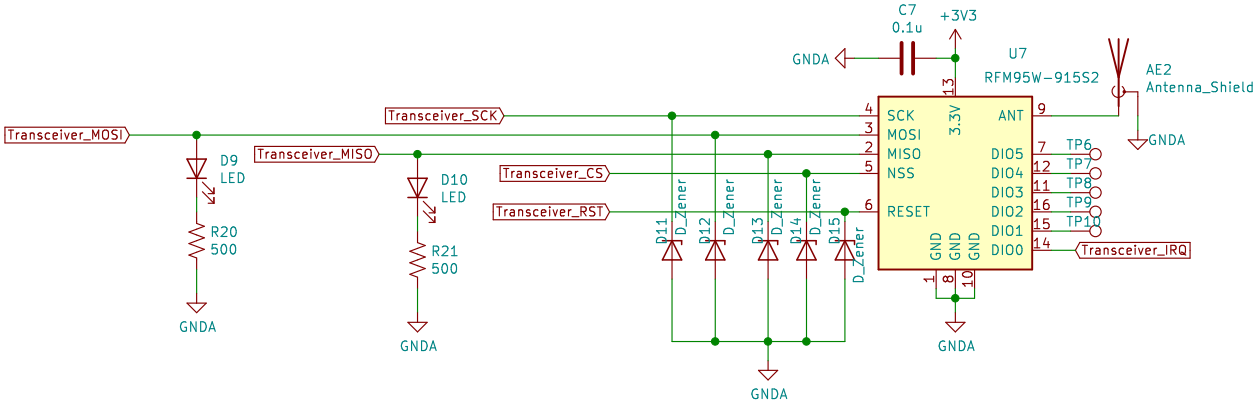

Transceiver

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File: RFtransciever.sch		
Title: USLI Rover 2020		
Size: A4	Date: Oct 27, 2019	**Rev:** A
KiCad E.D.A. kicad (5.0.2)-1	Jessica Peterson	Id: 4/4