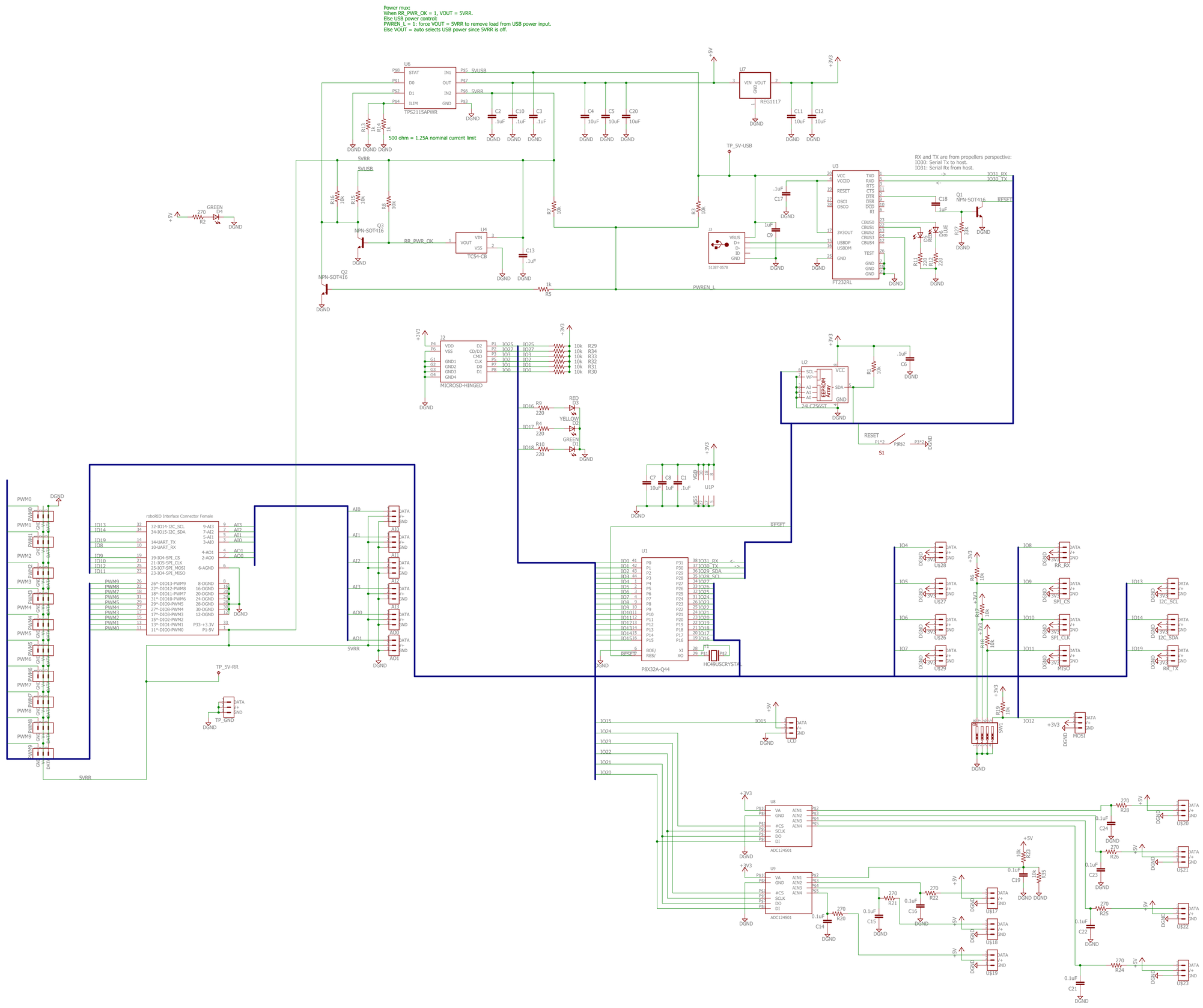
Power mux:
When RR_PWR_OK = 1, VOUT = 5VRR.
Else USB power control:
PWREN_L = 1: force VOUT = 5VRR to remove load from USB power input.
Else VOUT = auto selects USB power since 5VRR is off.
500 ohm = 1.25A nominal current limit
RX and TX are from propellers perspective:
IO30: Serial Tx to host.
IO31: Serial Rx from host.
U6
TPS2115APWR
U7
REG1117
U3
FT232RL
U4
TC54-CB
Q1
NPN-SOT416
Q2
NPN-SOT416
Q3
NPN-SOT416
J2
MICROSD-HINGED
U2
24LC256ST
U1
P8X32A-Q44
HC49USCRYSTAL
U8
ADC124S01
U9
ADC124S01
roboRIO Interface Connector Female
S1
S2
TP_5V-USB
TP_5V-RR
TP_GND
5VRR
5VUSB
RR_PWR_OK
PWREN_L
RESET
DGND