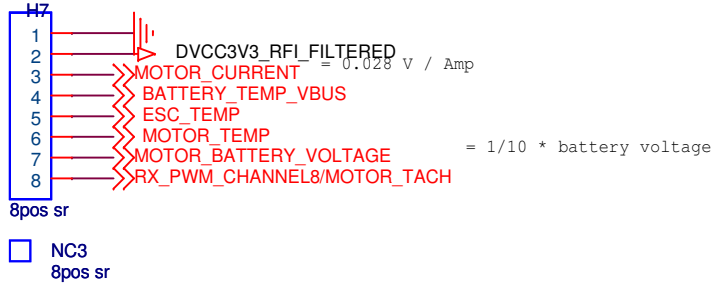


Very little outgoing bandwidth, so can skip filtering. Filtering for serial0_rx can be on gps side. Incoming data is checksummed, so not critical.

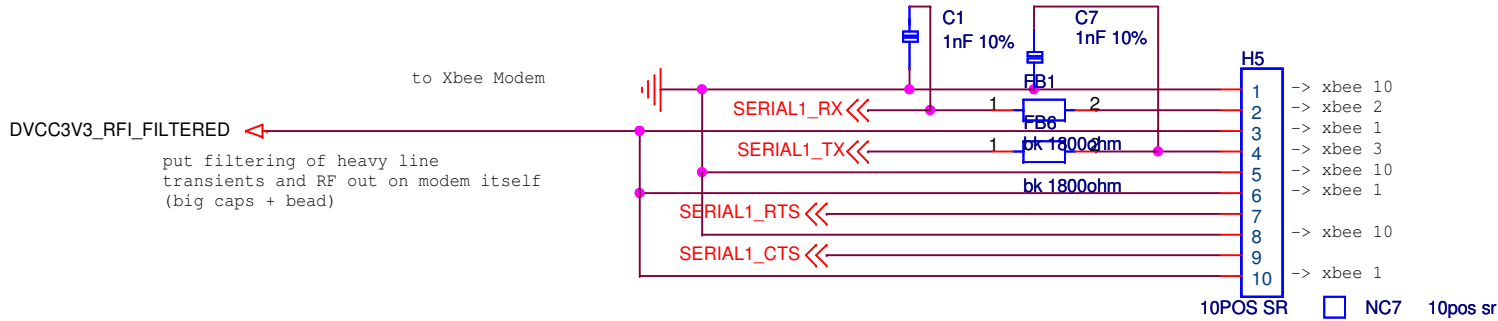
To GPS

Use dirty 5.2v because it's going to external circuits, which might include digital (tach). Also these return adc signals are noisy and/or dc or low freq/noise tolerant signals and we're filtering them here.

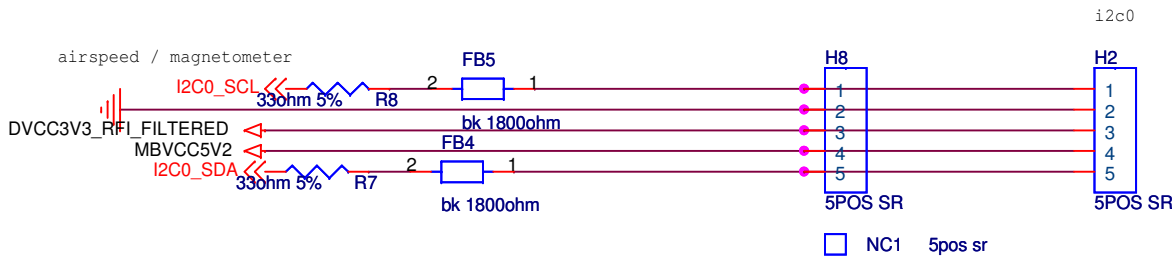
To Motor_current_06



Filtering for serial1_rx can be on gps side. Incoming and outgoing data is checksummed and repeated / redundant, so not critical.



i2c0 is only true open drain compliant. Use this for external only including mag/airspeed



A second/aux port, mostly just to support cover on flipside, but could be very useful for future enhancements such as sonar or i2c-based motor sensor.

twist scl with ground and sda with 5v0 for long runs > 0.5 meters