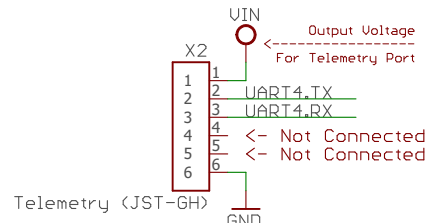
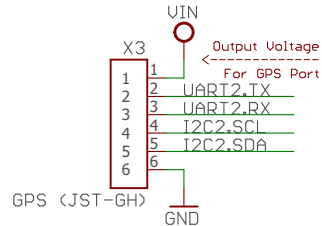




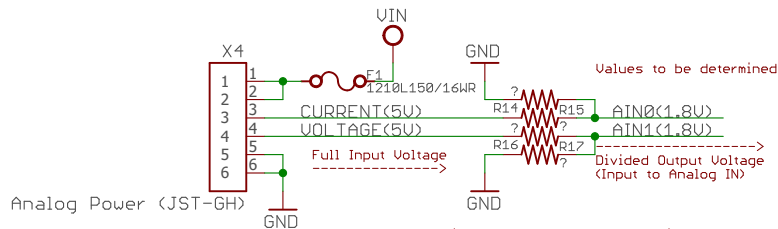
A



B



C

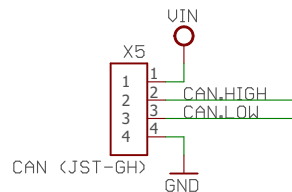


I am uncertain what to do for this connector. Are we going to follow this standard?
This information comes from <https://wiki.dronecode.org/workgroup/connectors/start>

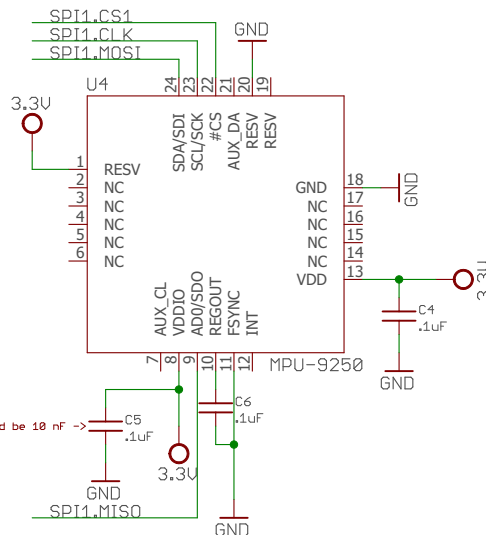
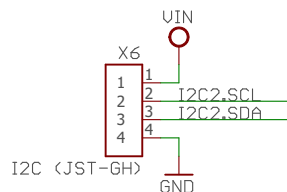
The CURRENT signal should carry an analog voltage from 0-3.3V for 0-60A as default. For high-power units the range should be 0-3.3V for 0-120A. The VOLTAGE signal should carry an analog voltage from 0-3.3V for 0-50A as default.

The UCC lines have to offer at least 2.5A continuous and should default to 5.3V. A lower voltage of 5V is still acceptable, but discouraged.

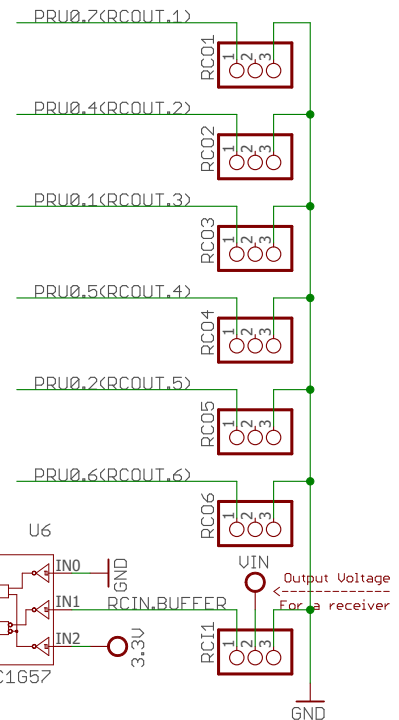
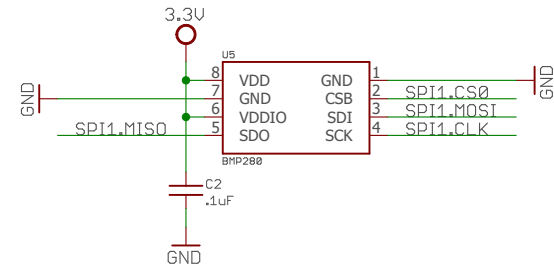
D



E



Datasheet indicates typical voltage at 1.8V but can have a max of 3.6V. VDD and VDDIO are two separate power supplies, VDD is for the Analog pressure sensor and digital function blocks and VDDIO is exclusively for the SPI/I2C Interface which I assume means you can power each at different voltages. If separate supplies are used, we must have a 0.1uF cap on each supply.



Original Concept by: Mirko Denecke and Patrick Poirier

Prototyped by: GHI Electronics, LLC



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PocketPilot

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A

B

C

D

E