## **Block Diagram Template**

A block diagram is a communication tool that is used to identify the design intent of the experiment. The diagram contains a series of blocks which indicate different components of the design. Each component is connected with a series of interfaces represented by lines. At minimum, the diagram must indicate the various mechanical, electrical, and data transmission interfaces between the different components. For the CAN-RGX competition, the block diagram is necessary to quickly identify the following information:

* What components will be brought onto the aircraft
* How each component is mechanically connected together
* How does electrical power flow through the system, and where are the electrical inhibit systems
* How are command and data signals sent through each component

If any of the previous information is not clearly evident from the block diagram, that is a sign that the design requires more development. An example block diagram is provided for reference.



**Figure 1:** Example block diagram