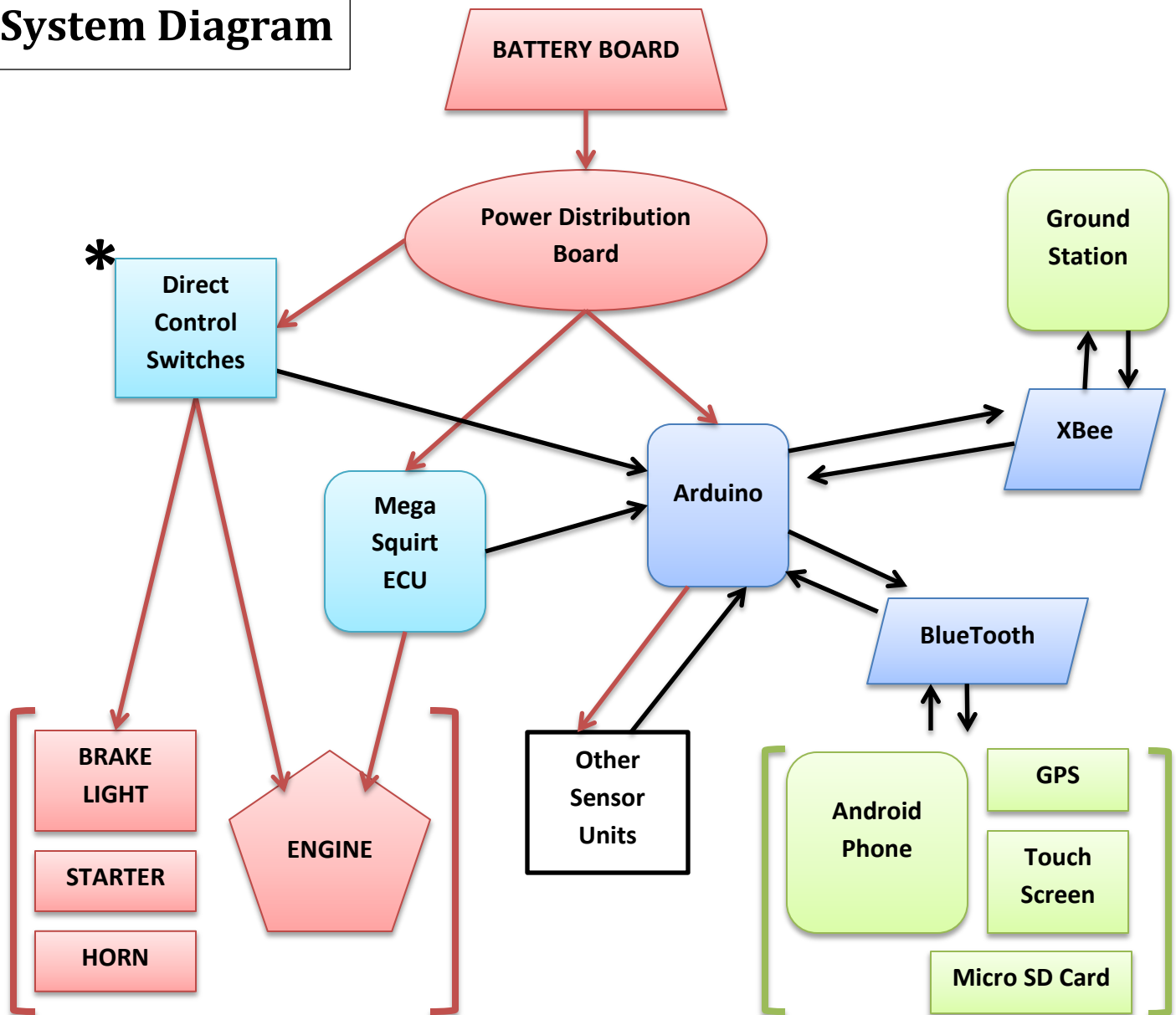


System Diagram



RED LINES indicate power connections

BLACK LINES indicate data connections

* - The Direct Control Switches (DCS) will likely be monitored by the Power Distribution Board (PDB) and have their effects triggered by the onboard microcontroller; however as a fail-safe they may also be directly wired to their components.

All **POWER** connections are good candidates for fuses.

In this setup, the **GREEN** and **DARK BLUE** items all become part of a Data Collection, Communication and Display System. The **LIGHT BLUE** and **RED** items all comprise CRITICAL functionality; i.e. the car will not run without them.

The Arduino has a heavy task load on it; we may need to consider a more powerful microcontroller if possible (probably the LeafLabs Maple).