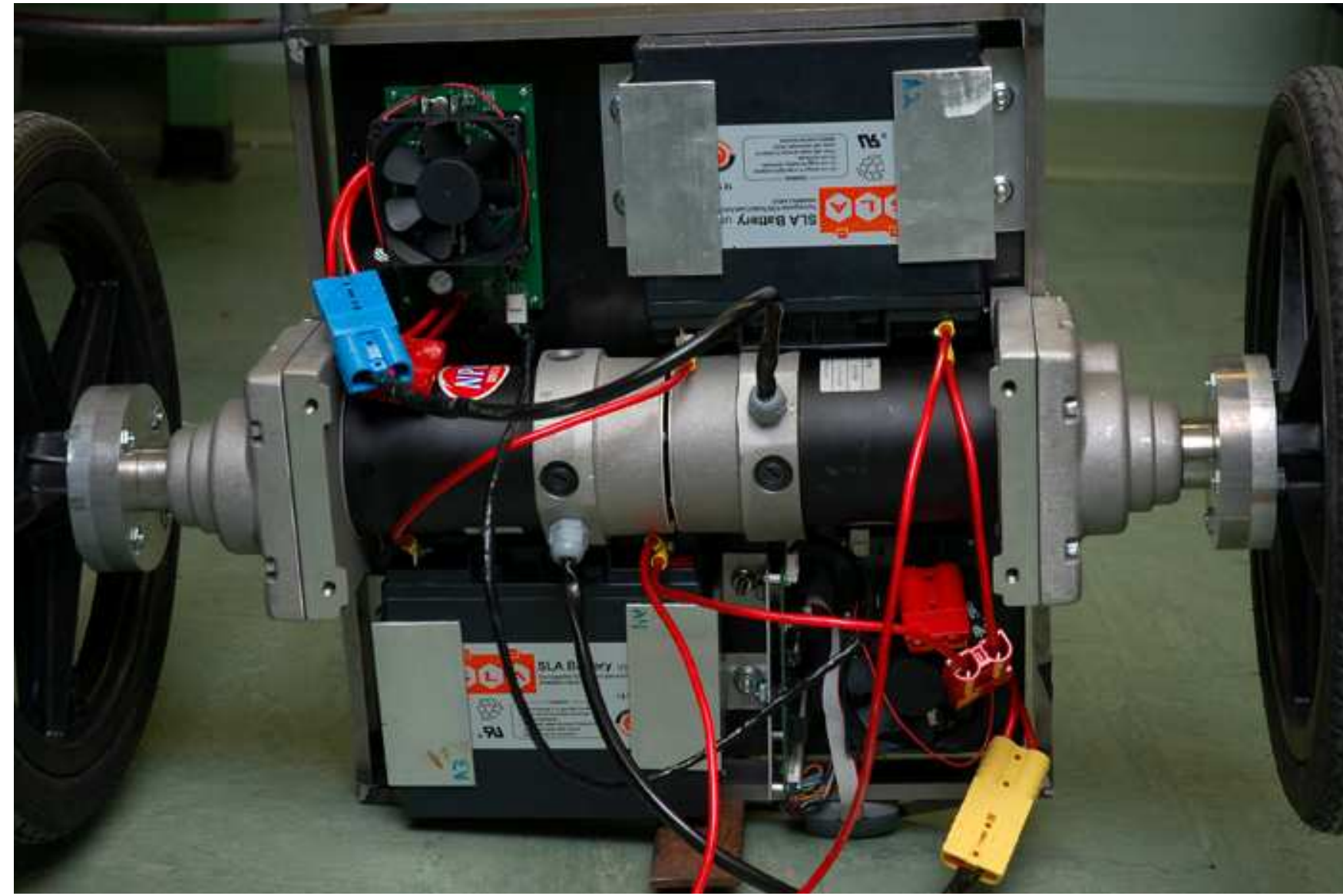


The Two Wheel Deal

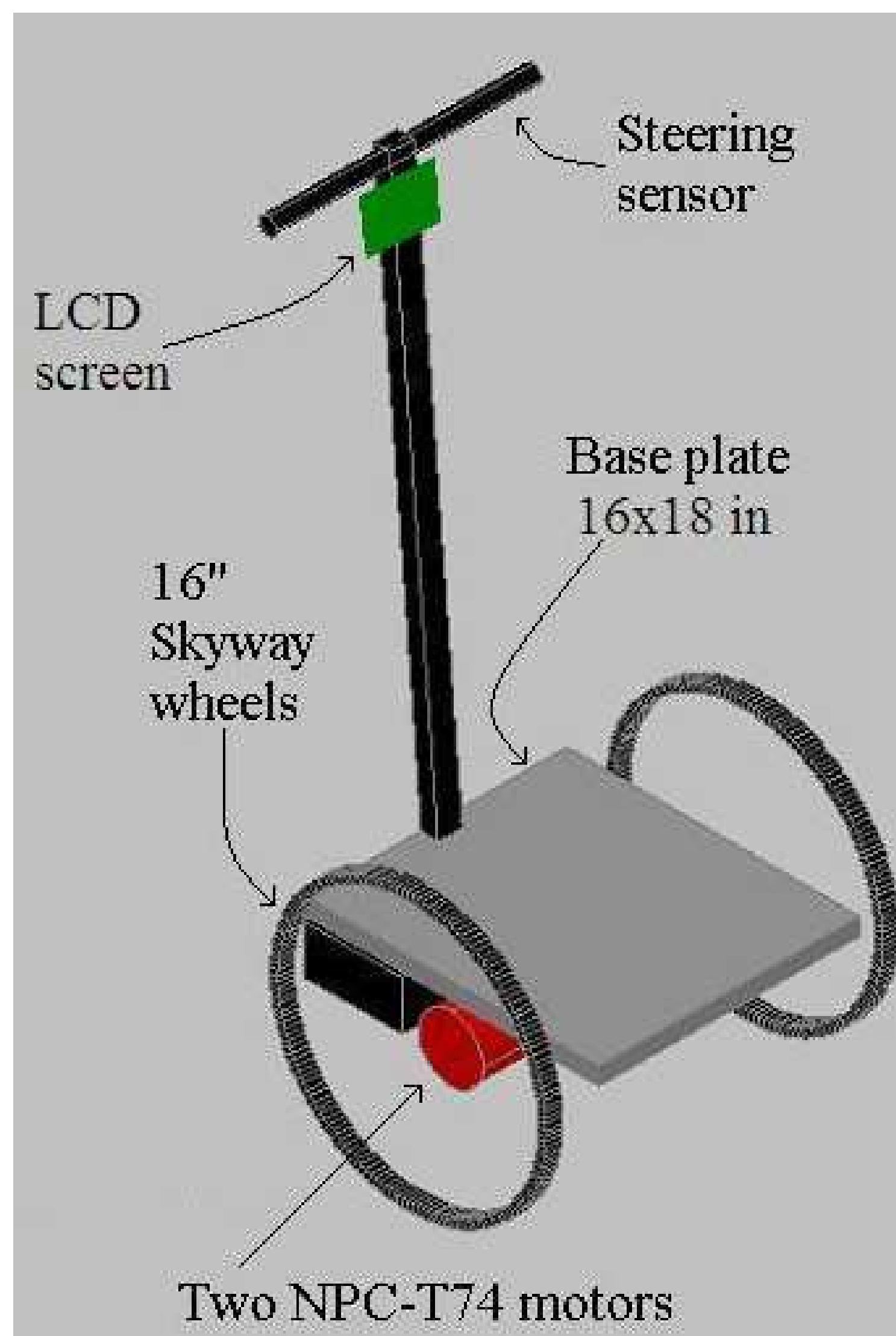
Packaging Layout



Wheel Hubs

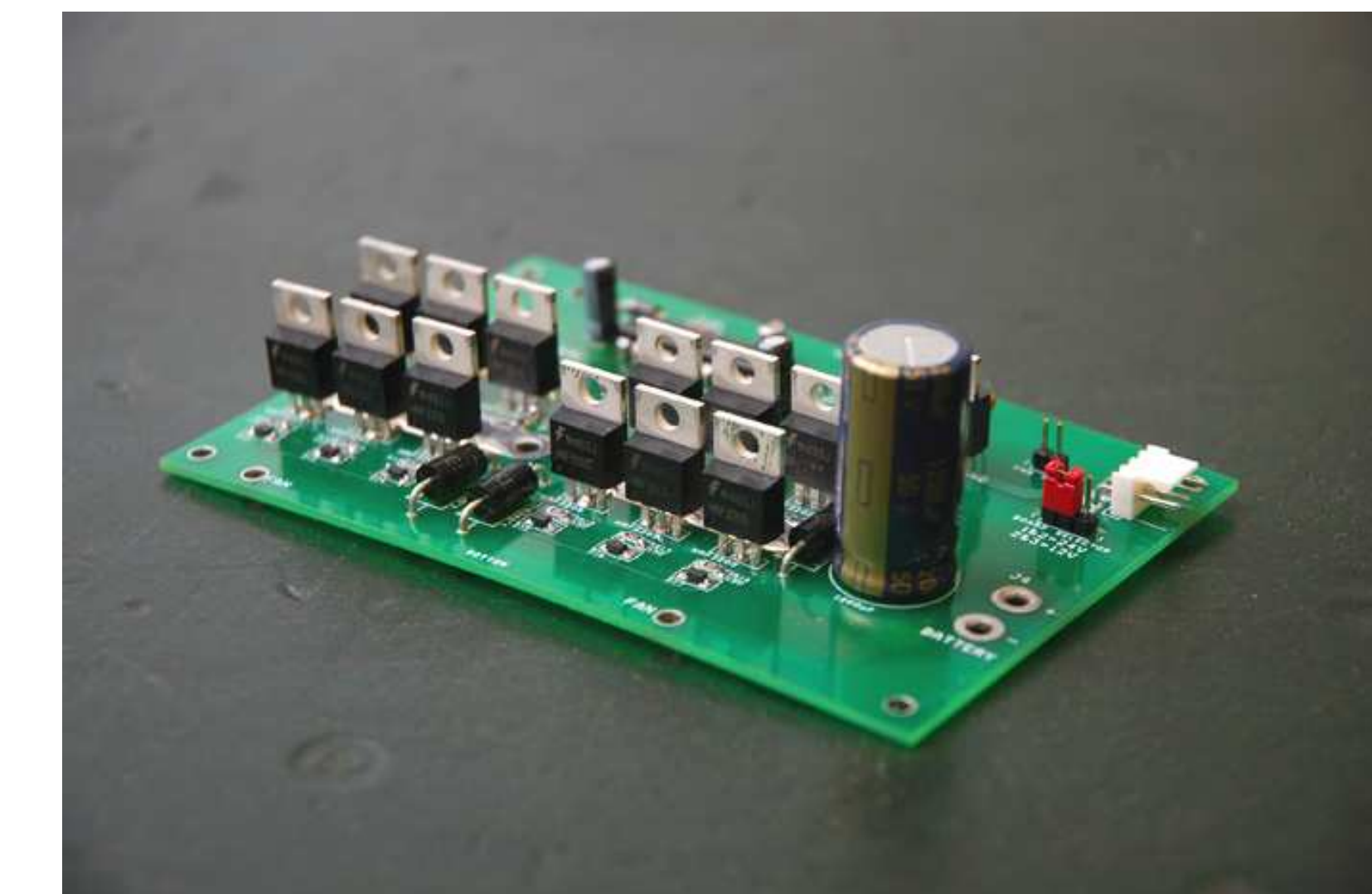


Preliminary Chassis Design

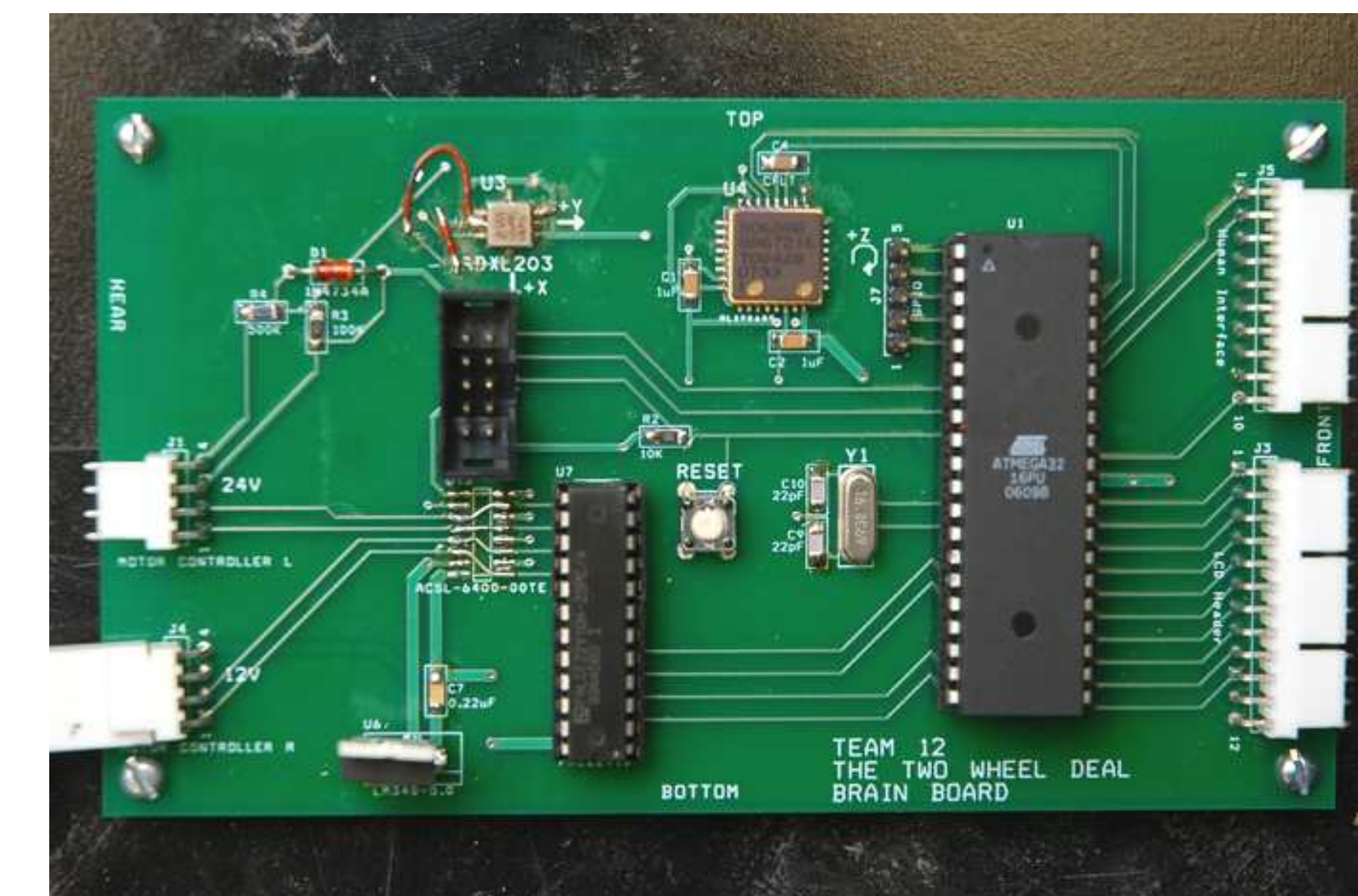


The Two Wheel Deal is a vehicle used for transporting a single rider on two wheels. The design uses an accelerometer and gyroscope to sense when the center of gravity is not directly over the axis of the wheels. It then drives the wheels in order to keep the vehicle balanced. The LCD screen displays battery life, speed, and tilt angle.

Motor Controller PCB



Microcontroller PCB



LCD Display



User Interface

