

Circuit Board: Controller Board

This board houses the dsPIC microprocessor and contains power supplies (3.3V and 5.5V), and the necessary input filtering on the analog inputs. This board is also to be used elsewhere in the system for piston and pneumatic spring monitoring, inputs for the gas pressures, laser range-finder, load cell, and EM tether integrity are included but aren't used for the power converter control.

Many parts of this circuit (with simpler filtering) have been prototyped and are operational.

Documentation Included:

- Schematic