Drive Control Units

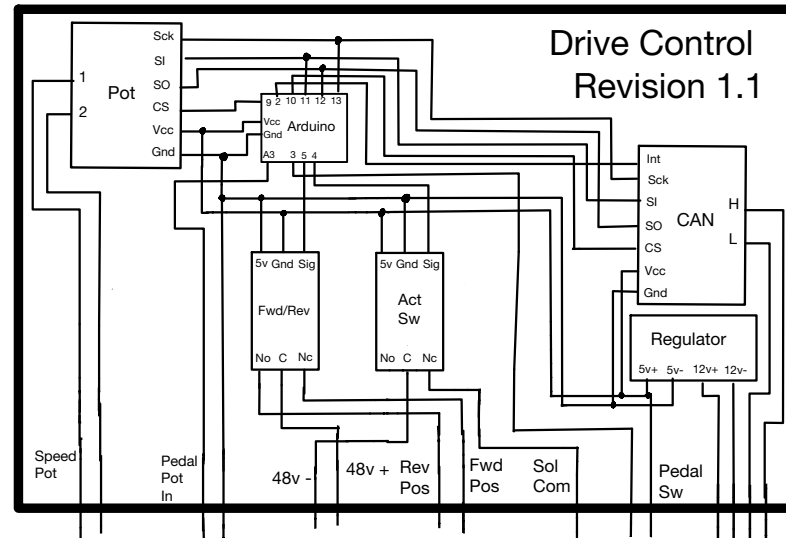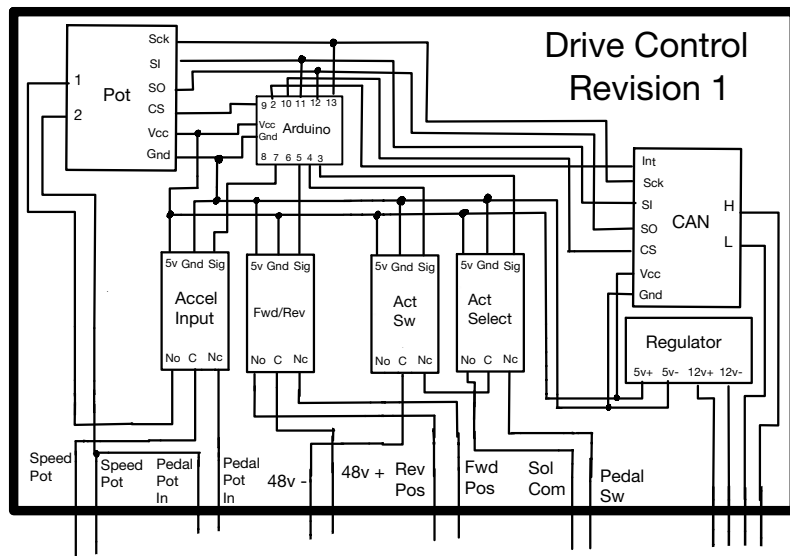Drive Control Revision 1

Drive Control Revision 1.1

Rev 1.1 Updates:

Replace selector switch method with inputs

Completed Build

Description:

Acts as a computerized interface into the cart's motor control system. Handles the switching between forward and reverse direction polarities. Creates a potentiometer output to control the cart's included motor speed controller. Takes input from the accelerator pedal for manual control and as a HID for software features included in the main drive computer.

Features:

- Arduino-Based
- 2B CAN Messages
- 3-axis accelerometer and gyroscope
- Direction Selector
- Disable Switch
- 8-bit potentiometer resolution
- Existing potentiometer pedal input (10-bit resolution)