Lift controller

* I/O
  + Red wire is ground
  + Pink wire is digital input PDI-1
  + Candy cane wire is analog input PAI-1 + (REF +)
* Comm
  + Green is ground (connected to port controller and nothing)
  + Black is ground (connected to random plug)
  + Right Brown is CAN\_H OUT (connected to port controller)
  + Right Brown w/ white stripe is CAN\_L OUT (connected to port controller)
  + Left Brown is CAN\_H IN (connected to nothing)
  + Left Brown w/ white stripe is CAN\_L IN (connected to nothing)
  + White is RS232 TX (connected to random plug)
  + Orange w/ black stripe is RS232 RX (connected to random plug)

Starboard controller

* I/O
* Red wire is ground
* Pink wire is digital input PDI-1
* Pink wire w/ black stripe is analog input PAI-1 + (REF +)
* Feedback
  + Orange is HALLA
  + Green is HALLC
  + Black is Ground
  + Purple is MOT ENC B+
  + Purple w/ white stripe is MOT ENC B-
  + Yellow is HALLB
  + Blue is MOT ENC A+
  + Blue w/ white stripe is MOT ENC A-
  + Red is +5Vout
  + Grey is MOT ENC I +
  + Grey w/ black stripe is MOT ENC I-
* Comm
  + Green is ground (connected to port controller)
  + Black is ground (connected to random plug)
  + Brown is CAN\_H IN (connected to port controller)
  + Brown w/ white stripe is CAN\_L IN (connected to port controller)
  + White is RS232 TX (connected to random plug)
  + Orange w/ black stripe is RS232 RX (connected to random plug)

Port controller

* I/O
* Red wire is ground
* Pink wire is digital input PDI-1
* Pink wire w/ black stripe is analog input PAI-1 + (REF +)
* Feedback
  + Identical to Starboard controller
* Comm
  + Green is ground (connected to both lift and starboard controllers)
  + Black is ground (connected to random plug)
  + Right Brown is CAN\_H OUT (connected to starboard controller)
  + Right Brown w/ white stripe is CAN\_L OUT (connected to starboard controller)
  + Left Brown is CAN\_H IN (connected to lift controller)
  + Left Brown w/ white stripe is CAN\_L IN (connected to lift controller)
  + White is RS232 TX (connected to random plug)
  + Orange w/ black stripe is RS232 RX (connected to random plug)