

Wire Number	Wire Origin	Wire Destination
2001	Motor Controller - CH 1	Top Hub Motor
2002	Motor Controller - Power	Top Hub Motor
2003	Motor Controller - CH2	Bottom Hub Motor
2004	Motor Controller - Power	Bottom Hub Motor
2005	Motor Controller	Ground
2006	Hall Effect Sensor	cRIO - RS232
3001	Kill Cord	Solid State Relay
3002	Solid State Relay	Motor Controller
3003	Motor Controller	Ground
3004	Solid State Relay	Ground
3005	DC DC	IMU
3006	DC DC	IMU
3007	DC DC	ground
3008	IMU	cRIO - RS232
4001	VCC Buss	Kill Switch with Fuse
4002	VCC Buss	Solid State Relay
4003	VCC Buss	Dc Splitter
4004	Kill Switch with Fuse	Kill Cord
4005	DC Splitter	cRIO
4006	cRIO	ground
4007	DC Splitter	Motor Controller
4008	DC Splitter	DC DC
4009	WiFi router	Ethernet USB
5001	Battery	70A Breaker
5002	Battery	Battery
5003	Battery	Ground
5004	VDD Buss	Ground
5005	70A Breaker	VCC Buss
5006	WiFi router	Ethernet USB