
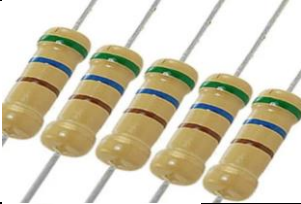


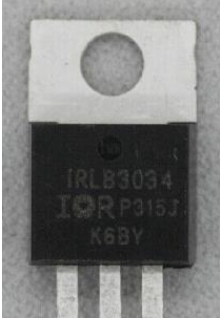













Arduino Nano		Main Microcontroller
Various resistors: specifically 2x 10k, 2x 100, 1x 30k, 1x 7.5k		Used for various MOSFET protection, and a voltage divider
100 NF Ceramic Capacitors		Used to filter voltage to the motors when under PWM control
128 x 64 OLED display		Communicates over SPI to show menu and voltage.
IRLB3034PBF Mosfet		Logic level mosfet
IN5408 Diode		Prevents motor backvoltage
35 mm 12v solenoid		Pushes darts
Slide switch		Used as a selector switch

Push button		Used for selecting menu options
21 A microswitch		Used as rev switch
10 A microswitch		Used as main trigger switch
“Loki” motors		Flywheel 2 nd Stage
“kraken” motor		Flywheel 1 st stage
Deans Connector		Battery connections
Pulsar Flywheels		Flywheels

Voltage buck convertor		Used for powering the Arduino and screen
Various wire (16 Gauge, thin wire)		
Various metric hardware (M4,M3 bolts)		