Test Rocket Electronics

# Sensors

* ($10) [Barometer (MPL3115A2)](https://www.adafruit.com/product/1893)
* ($35) [IMU (BNO055)](https://www.adafruit.com/product/2472)
* ($0) Temperature (from the baro)
* ($16) [GPS](https://www.amazon.com/MakerFocus-Microcontroller-Compatible-Navigation-Positioning/dp/B075DD5746/ref=sr_1_2?ie=UTF8&qid=1528517769&sr=8-2&keywords=gps+arduino)
* ($14) [RTC](https://www.adafruit.com/product/3013)

# Radio

* 2x ($20) [RFM95W LoRa Tranciever](https://www.adafruit.com/product/3072)icad

# Microcontroller

* ($20) [Feather M0](https://www.adafruit.com/product/2796)
* ($5) [Mini USB Cable](https://www.amazon.com/AmazonBasics-USB-2-0-Cable-Male/dp/B00NH13S44/ref=sr_1_3?ie=UTF8&qid=1528516649&sr=8-3&keywords=mini+usb)

# Power

* ($15) [7.2v 2S Battery](https://hobbyking.com/en_us/turnigy-nano-tech-2200mah-2s-35-70c-lipo-pack.html)
* ($12) [Step Down (takes 7.v to 3.3v)](https://www.amazon.com/eBoot-LM2596-Converter-3-0-40V-1-5-35V/dp/B01GJ0SC2C/ref=sr_1_3?ie=UTF8&qid=1528516930&sr=8-3&keywords=voltage+regulator)

# Misc

* ($10) [Breadboard](https://www.amazon.com/Elegoo-EL-CP-003-Breadboard-Solderless-Distribution/dp/B01EV6LJ7G/ref=sr_1_6?ie=UTF8&qid=1528517890&sr=8-6&keywords=breadboard)
* ($15) [Wires](https://www.amazon.com/CIRCUIT-TEST-Preformed-Breadboard-Jumper-Wire/dp/B008MOLG04/ref=sr_1_3?s=industrial&ie=UTF8&qid=1528518045&sr=1-3&keywords=breadboard+wires)

# Airbrakes

* ($40) [120 Degree Servo](https://www.pololu.com/product/3429)

**Total Cost: $223**