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| --- | --- |
| **Component** | **Quantity Used** |
| Buck Converter | 3 |
| Teensy 4.1 | 1 |
| GPS | 1 |
| Servo Driver | 1 |
| Radio | 1 |
| IMU | 1 |
| Pitot Tube | 1 |
| Barometer | 1 |
| Female Header | 144 |
| 27uH Inductor | 3 |
| 470uF Capacitor | 3 |
| 10uF Capacitor | 4 |
| 1.8M Resistor | 1 |
| 430k Resistor | 1 |
| 2.2k Resistor | 5 |
| 150 Resistor | 4 |
| 80 Resistor | 1 |
| 90 Resistor | 1 |
| 5.6k Resistor | 2 |
| 1.5k Resistor | 2 |
| 1k Resistor | 1 |
| 3k Resistor | 1 |
| 10k Resistor | 2 |
| 4.7k Resistor | 2 |
| 4.3k Resistor | 1 |
| 220 Resistor | 16 |
| ORANGE LED | 1 |
| WHITE LED | 1 |
| YELLOW LED | 1 |
| RED LED | 1 |
| BLUE | 1 |
| GREEN LED | 1 |
| 4 DIP Switch | 1 |
| M3 Screws | 4 |

Main Board:

Navigation Board:

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| --- | --- |
| **Component** | **Quantity Used** |
| Teensy 4.1 | 1 |
| Mux | 1 |
| Buck Converter | 2 |
| Servo Driver | 1 |
| 27uH Inductor | 2 |
| 470uF Capacitor | 2 |
| 10uF Capacitor | 1 |
| 5.6k Resistor | 1 |
| 1.5k Resistor | 1 |
| 1k Resistor | 1 |
| 3k Resistor | 1 |
| 4.7k Resistor | 2 |
| 220 Resistor | 4 |
| 150 Resistor | 3 |
| 80 Resistor | 1 |
| 90 Resistor | 1 |
| RED LED | 1 |
| BLUE LED | 1 |
| GREEN LED | 1 |
| WHITE LED | 1 |
| YELLOW LED | 1 |
| Female Headers | 37 |
| M3 Screws | 4 |

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| **Component** | **Link** | **Price/1** |
| Buck Converter | https://www.digikey.ca/en/products/detail/stmicroelectronics/A5975D/4357599 | 6.76 $ |
| MUX | https://www.digikey.ca/en/products/detail/texas-instruments/CD74AC257M96/1691832 | 1.50 $ |
| Teensy 4.1 | https://www.pjrc.com/store/teensy41.html | 26.85 $ |
| GPS | https://www.digikey.ca/en/products/detail/adafruit-industries-llc/746/5353613 | 54.27 $ |
| Radio | https://www.digikey.ca/en/products/detail/adafruit-industries-llc/3073/6005358?s=N4IgjCBcoLQBxVAYygMwIYBsDOBTANCAPZQDa4ArAEwIC6AvvYVWSAMwAMA7GyA0A | 27.10 $ |
| Servo Driver | https://www.digikey.ca/en/products/detail/nxp-usa-inc/PCA9685PW112/2034324 | 3.47 $ |
| IMU | https://www.digikey.ca/en/products/detail/pimoroni-ltd/PIM448/10246391 | 20.38 $ |
| Pitot Tube | https://www.digikey.ca/en/products/detail/nxp-usa-inc/MPXV7002DP/1168436 | 27.44 $ |
| Barometer | https://www.digikey.ca/en/products/detail/adafruit-industries-llc/2651/5604371 | 13.52 $ |
| Header | https://www.digikey.ca/en/products/detail/sullins-connector-solutions/PPTC361LFBN-RC/810173 | 2.80 $ |
| DIP Switches | https://www.digikey.ca/en/products/detail/grayhill-inc/76SB04T/726228 | 1.52 $ |
| Inductors | https://www.digikey.ca/en/products/detail/epcos-tdk-electronics/B78108S1474J000/652558 | 0.50 $ |
| Capacitors (Box) | https://www.amazon.ca/Ceramic-Capacitor-Electrolytic-Portable-Assortment/dp/B082F37H38 | 42.99 $ |
| Resistors | https://www.digikey.ca/en/products/detail/koa-speer-electronics-inc/CF1-4CT52R104J/13537243 | 0.14 $ |
| LEDs  (Box) | https://www.amazon.ca/DiCUNO-450pcs-Colors-Emitting-Assorted/dp/B073QMYKDM/ref=sr\_1\_11?dchild=1&keywords=LED+Kit&qid=1605742352&sr=8-11 | 19.99 $ |
| Screws | https://www.digikey.ca/en/products/detail/keystone-electronics/29344/1532217 | 0.32 $ |