**Parts List**

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| --- | --- | --- |
| Adafruit  [Ultimate GPS Breakout](https://www.adafruit.com/product/746)  V3   * Pin Headers * CR1220 Battery Slot * Module | Machine generated alternative text: | [Canada Robotix](http://www.canadarobotix.com/gps/adafruit-ultimate-gps-breakout-v3-66-channel-w-10-hz-updates)  $54 (Inc. tax) + Shipping  *\*I can pick it up from the warehouse*    [Digikey Canada](https://www.digikey.ca/products/en/rf-if-and-rfid/rf-evaluation-and-development-kits-boards/859?k=adafruit%20746)  $54 + Tax + Shipping |
| *Arduino* | *Nano*    *Uno* | [*Digikey Canada*](https://www.digikey.ca/product-detail/en/arduino/A000005/1050-1001-ND/2638989)  *$29.04*  [*Digikey Canada*](https://www.digikey.ca/product-detail/en/arduino/A000066/1050-1024-ND/2784006)  *$31.60 + Tax + Shipping* |
| MicroSD Module  (SD can be alternative) | Adafruit    Generic | [Canada Robotix](http://www.canadarobotix.com/data-storage/adafruit-microsd-card-breakout-board)  $9.09  [Canada Robotix](http://www.canadarobotix.com/memory-card-interface/2077)  $4.79 |
| SD Card | Use our own? | - |
| Power Source    If we're using the DC socket, it must be 9-12V (7 works but 9 is recommended), 250mA+, 2.1mm plug, center + pin | **Unknown?**  Lipo's… do we have a charger?  9V Battery  Rechargable?  Or not  AAs - Heavy? | 7-12V  Expect >$20      $5 each |
| CR1220 Battery or any other 12mm coin cell  \*\*Temperature: -20C/-30C depending on brand. |  | [Amazon.ca](https://www.amazon.ca/Sony-CR1220-BR1220-1220-Batteries/dp/B00I0FJV6Q/ref=sr_1_4?ie=UTF8&qid=1505767828&sr=8-4&keywords=CR1220)  $2.98 Free Shipping    Can probably get this at the dollar store |
| RGB Led + Resistors x3 |  |  |
| On/Off Switch | \*\*May not be necessary depending on power source |  |
| Button –Momentary x2   1. Log/Mode 2. Reset |  |  |
| Protoboard/Perfboard | Hole matrix preferable  Machine generated alternative text: QQQ( |  |