RoverNav

Bluetooth LE Capable Navigational Subsystem (Nav Server and Data Recorder):

1. **Summary of Active Components:**
   - IMU/9 DOF Precision Sensor
   - IMU Processor
   - GPS Receiver
   - RTC (Real-Time Clock)
   - micro SD Card Reader/Writer
   - Bluetooth LE Transceiver
   - Primary NAV Processor
2. **Detailed Parts List:**

No.	Part Ref#	Description	Qty	Cost	Ext. Amt
1.	2890	Adafruit Feather Doubler	1	$7.50	$7.50
2.	2722	Adafruit Feather M0 Proto	1	$19.95	$19.95
3.	2884	Adafruit Feather Wing Proto Board	1	$4.95	$4.95
4.	3483	Adafruit 9-DOF Precision Sensor	1	$14.95	$14.95
5.	2152366	Arduino Mega 2560	1	$35.49	$35.49
6.	192	Arduino Mega Proto Shield	1	$14.95	$14.95
7.	2922	Adafruit Feather Adalogger	1	$8.95	$8.95
8.	3133	Adafruit Feather Wing Ultimate GPS	1	$39.95	$39.95
9.	2479	Adafruit Bluefruit LE UART Friend	1	$17.50	$17.50
10.	258	Li-ion Backup Battery (3.7V, 1200mAh)	1	$9.95	$9.95
11.	2693	8 or 16GB microSD card Class 10	1	$19.95	$19.95
12.	380	CR1220 Lithium Cell	2	$0.95	$1.90
13.	2830	0.1" pitch female headers	6	$1.25	$7.50
14.	400	0.1" pitch male headers	1	$3.00	$3.00
15.	MSP-N/A	Wire, solder, heat shrink tubing		$25.00	$25.00
16.	960	Active GPS Antenna	1	$12.95	$12.95
17.	NBF-32108	BUD Industries Enclosure	1	$21.65	$21.65
18.	Amazon	USB Li-Ion Primary Battery (10K mAh)	1	$16.99	$16.99
19.	592	USB cable – A/MicroB 3 ft	1	$2.95	$2.95
				Total:	$231.49