



							Manufacturer Part		Supplier Currency	Supplier Order	Supplier Part		Supplier Subtotal	Supplier Unit Price
Comment	Description Coin Cell Battery	Designator	Footprint	LibRef	Quantity	Manufacturer 1	Number 1	Supplier 1	1	Qty 1	Number 1	Supplier Stock 1	1	1
CR1225FV-LF	3V 2-PIN VERT 48mAh 12.5 x 2.5mm	Batt1	Coin Cell with Tabs	CR2032 Battery Holder	1	Loading	Loading	Mouser	Loading		614-CR1225FV-LF			
	Color 320x240 Display, 2.2 inch, ILI9341 Controller https://www.pjrc.c													
DISPLAY ILI9341	om/store/display_i li9341.html	BRD1	Display ILI9341	Display	1									
MPU-9250	SparkFun IMU Breakout - MPU- 9250 SEN-13762	BRD2	Sparkfun MPU- 9250	MPU-9250 Breakout	-									
ADXL375	Analog Devices EVAL-ADXL375Z	BRD3	ADXL375 Eval	ADXL375 Eval	1	Analog Devices	EVAL-ADXL375Z	Digi-Key	USD	1	EVAL-ADXL375Z- ND	52	37.5	37.5
47uF	CAP ALUM 100UF 20% 63V RADIAL	C1, C2, C4, C5	Elec. Cap 2.5 x 6.3mm	Electrolytic Cap	4			Digi-Key	Loading		P13464-ND	0		
0.1uF	CAP CER 0.1UF 50V 10% X7R 0603	С3	CAPR5-4X5	Сар	1	Murata Electronics North America	GRM188R71H104K A93D	Digi-Key	USD	1	490-1519-1-ND	9501034	0.1	0.1
OTDCOAFO	Schottky Diodes & Rectifiers 2.0 Amp	D4 D0 D5	20.44	D: 1 4814000							CAA CITICOACO			
STPS2150	150 Volt LED RED DIFFUSED 0805	D1, D2, D5	DO-41	Diode 1N4003	3	Loading OSRAM Opto Semiconductors	Loading	Mouser	Loading		511-STPS2150			
Red	SMD LED RED	D3	5mm Rad LED	LED - SMD	1	Inc. OSRAM Opto	LS R976-NR-1	Digi-Key	USD	1	475-1278-1-ND	0	0.27	0.27
Green	DIFFUSED 0805 SMD LED RED	D4	5mm Rad LED	LED - SMD	1	Semiconductors Inc. OSRAM Opto	LS R976-NR-1	Digi-Key	USD	1	475-1278-1-ND	0	0.27	0.27
Yellow	DIFFUSED 0805 SMD	D6	5mm Rad LED	LED - SMD	1	Semiconductors Inc.	LS R976-NR-1	Digi-Key	USD	1	475-1278-1-ND	0	0.27	0.27
Adafruit Ultimate GPS	Adafruit Ultimate GPS	GPS	GPS	GPS - Adafruit	1	Adafruit Industries LLC	746	Digi-Key	USD	1	1528-1153-ND	232	39.95	39.95
ESP8266	Sparkfun ESP8266 Module (WRL- 13678)	J8	ESP8266	ESP8266	1	SparkFun Electronics	WRL-13678	Digi-Key	USD	1	1568-1235-ND	399	6.95	6.95
10 Pos Mini-Fit Jr.		J10	10 pos Mini-Fit Jr. R/A Header	10 Pos Header	1	Molex, LLC	39301100		USD	1	WM1355-ND	1100	1.4	1.4
Solder Jumper	NPN General	JP1, JP2	Solder Jumper	Solder Jumper	2			Digi-Key						
2N3904	Purpose Amplifier	Q1	TO-92A	2N3904	1	Stackpole								
4.7k 120 47 2k PEC09 Quadrature Encoder Teensy 3.6	1/4W 5% CARBON FILM, RES 4.7K OHM 1% 1/10W 6003, RES SMD 4.7K OHM 1% 1/10W 6003, RES SMD 4.7K OHM 1% 1/10W 6003, RES SMD 4.7K OHM 1% 1/10W 6003, RES MD 4.7K OHM 1/4W 6003, RES MD 4.7K OHM 1/4W 6.7K OHM	R9, R10, R11  R4, R12, R13, R14  R7, R8  R15  SW1	AXIAL-0.4  AXIAL-0.4  AXIAL-0.4  PEC09 Series Encoder Encoter		8 4 2 1	Stackpole Electronics Inc., Stackpole Electronics Inc., Stackpole Electronics Inc., Stackpole Electronics Inc., Panasonic Electronic Components, Panasonic Electronic Components Electronic Components Stackpole Electronics Inc. Panasonic Electronics Inc. Bauerics Inc. Bauerics Inc. Bauerics Inc. Bourns Inc.	CF14JT4K70, CF14JT4K70, CF14JT4K70, CF14JT4K70, CF14JT4K70, CF14JT4K70, ERJ-3EKF4701V, ERJ-3EKF4701V, CF14JT4K70  ERJ-PA3F47R0V  CF14JT4K70  PEC09-2220F- S0012	Digi-Key Digi-Key Digi-Key Digi-Key	USD USD USD USD	8 4 2 1	CF14JT4K70TR-ND, CF14JT4K70TR-ND, CF14JT4K70TR-ND, CF14JT4K70TR-ND, P4.70KHCT-ND, P4.70KHCT-ND, P4.70KHCT-ND, P4.70KHCT-ND, P4.70KHCT-ND, CF14JT4K70TR-ND  CF14JT4K70TR-ND  P47.00BYCT-ND  PC09-2220F- S0012-ND	505000 13757 505000 1817	0.32	0.16
Through Hole	Microcontroller Miniature Single- Cell, Fully Integrated Li-lon, Li-Polymer Charge Management Controller, 4.2V, 5- Pin SOT-23, Industrial	Teensy 3.6	Labels	Through Hole	1	Supplier disabled	Supplier disabled	Sparkfun	Supplier disabled		DEV-13736			
MCP73832T- 2ACI/OT	Temperature, Tape and Reel 3.3 V Can	U1	SOT-23-OT5_M	MCP73832T- 2ACI/OT	1	Microchip Technology	MCP73832T- 2ACI/OT	Digi-Key	USD	1	MCP73832T- 2ACI/OTTR-ND	0		
	Transceiver, 17 mA, -40 to 85 degC, 8- pin SOIC (D), Green (RoHS & no						SN65HVD232DRG				SN65HVD232DRG4			
TCAN332	Sb/Br) 5V DC/DC	U2, U4	D8_M	SN65HVD232DRG4	2	Texas Instruments	4	Digi-Key	USD	2	ND	0		
OKI-78SR	Converter (7805 replacement)	U3	78xx	7805	1	Murata Power Solutions Inc.	OKI-78SR-5/1.5- W36-C	Digi-Key	USD	1	811-2196-5-ND	18887	4.31	4.31
SN75HVD12DR	IC 3.3V DIFF TXRX 8-SOIC USB Commercial B	U5	PDIP300-P8	SN75HVD12D (3.3v RS485)	1	Texas Instruments	SN65HVD12P	Digi-Key	USD	1	296-13862-5-ND	78	4.24	4.24
P-MUSB-D111-30	Receptacle USB Commercial B	USB	MUSB	USB-Rugged	1	ļ		Digi-Key						
FCI 73725-0110BLF JST Header	Receptacle Header, 2-Pin	USB2 VBAT	USB Flag HDR1X2	USB-Rugged Header 2	1	Amphenol FCI	73725-0110BLF	Digi-Key	USD	1	609-1041-ND	32585	0.84	0.84
Header 2	Header, 2-Pin Header, 2-Pin	Vin, VUSB	HDR1X2 HDR1X2	Header 2 Header 2	2									