



							Manufacturer Part		Supplier Currency	Supplier Order	Supplier Part		Supplier Subtotal	Supplier Unit Price
Comment	Description	Designator	Footprint	LibRef	Quantity	Manufacturer 1	Number 1	Supplier 1	1	Qty 1	Number 1	Supplier Stock 1	1	1
Socket	Socket Coin Cell Battery	A14	PIN1	Socket	1									
	3V 2-PIN VERT													
CD122FFV F	48mAh 12.5 x	D-441	Coin Cell with	CR2032 Battery	1	Danata	CD12255V.L5		lico.		614-CR1225FV-LF	/20	1.41	1 41
CR1225FV-LF	2.5mm Analog Devices	Batt1	Tabs	Holder	I	Renata Analog Devices	CR1225FV-LF	Mouser	USD		EVAL-ADXL375Z-	639	1.41	1.41
ADXL375	EVAL-ADXL375Z	BRD3	ADXL375 Eval	ADXL375 Eval	1	Inc.	EVAL-ADXL375Z	Digi-Key	USD	1	ND	33	37.5	37.5
	CAP ALUM 100UF					Panasonic Electronic								
100uF	20% 63V RADIAL	C1	Elec. Cap 5 x 10mm	Electrolytic Cap	1	Components	EEU-FC1J101	Digi-Key	USD	1	P10343-ND	21560	0.54	0.54
						Panasonic								
47uf	CAP ALUM 100UF 20% 63V RADIAL	C2, C4	Elec. Cap 5 x 10mm	Flectrolytic Cap	2	Electronic Components	EEU-FC1J101	Digi-Key	USD	2	P10343-ND	21560	1.08	0.54
		, - :												
	Multilayer Ceramic													
	Capacitors MLCC - Leaded 50volts													
0.1uF	0.1uF 10% X7R	C3, C8	RAD-0.2	Сар	2	AVX	SR215C104KAA	Mouser	USD	2	581-SR215C104K	13567	0.2	0.1
	Schottky Diodes & Rectifiers 2.0 Amp													
STPS2150	150 Volt	D2	DO-41	Diode 1N4003	1	STMicroelectronics	STPS2150	Mouser	USD	1	511-STPS2150	7482	0.4	0.4
	LED RED DIFFUSED 0805					OSRAM Opto Semiconductors								
Red	SMD	D3	5mm Rad LED	LED - SMD	1	Inc.	LS R976-NR-1	Digi-Key	USD	1	475-1278-1-ND	204960	0.27	0.27
Header 2	Header, 2-Pin	GND, J2, SW	HDR1X2	Header 2	3									
Adafruit Ultimate	Adafruit Ultimate	CDC	CDC	GPS - Adafruit	1	Adafruit Industries		Diei Ken	Heb		1520 1152 ND	22/	20.05	20.05
GPS	GPS CONN HEADER	GPS	GPS	GPS - Adamun		LLC	740	Digi-Key	USD		1528-1153-ND	236	39.95	39.95
	4POS 4.2MM VERT		4 POS Vertical											
4 Pos Mini-Fit Jr.	TIN Sparkfun ESP8266	J1	MINI-FIT JR	4 Pos Header Vert	1	Molex, LLC	39299042	Digi-Key	USD	1	WM7325-ND	2911	0.66	0.66
	Module (WRL-					SparkFun								
ESP8266	13678)	J8	ESP8266	ESP8266	1	Electronics	WRL-13678	Digi-Key	USD	1	1568-1235-ND	766	6.95	6.95
Solder Jumper		JP1	Solder Jumper	Solder Jumper	1			Digi-Key						
Header 6	Header, 6-Pin RES 4.7K OHM	P6	HDR1X6	Header 6	1	Wurth Electronics	61303211121	Mouser	USD	1	710-61303211121	227	2.08	2.08
	1/4W 5% CARBON					Stackpole								
4.7k	FILM	R1, R2, R3	AXIAL-0.4	Res2	3	Electronics Inc.	CF14JT4K70	Digi-Key	USD	3	CF14JT4K70TR-ND	380000		
	RES 4.7K OHM 1/4W 5% CARBON					Stackpole								
1.5k	FILM	R4	AXIAL-0.4	Res2	1	Electronics Inc.	CF14JT4K70	Digi-Key	USD	1	CF14JT4K70TR-ND	380000		
	RES 4.7K OHM 1/4W 5% CARBON					Stackpole								
30k	FILM	R5, R6	AXIAL-0.4	Res2	2	Electronics Inc.	CF14JT4K70	Digi-Key	USD	2	CF14JT4K70TR-ND	380000		
	Memory Card													
	Connectors MicroSD Card													
	Conn Ver Dip Mnt			SD Card Holder	_	Yamaichi					945-PJS008U-3000-			
microSD	Manual 32 Bit Arduino-	SD1	SD- Vertical	Vertical	1	Electronics	PJS008U-3000-0	Mouser	USD	1	0	0	0.87	0.87
	Compatible					SparkFun								
Teensy 3.2	Microcontroller Adafruit 9-DOF	Teensy 3.2	Teensy	Teensy	1	Electronics	DEV-13736	Digi-Key	USD	1	1568-1231-ND	800	22.5	22.5
	IMU Breakout -													
o DOE IMALL	L3GD20H + LSM303 PRODUCT		Adafruit 9-DOF	A d = f =		A -l - f								
	ID: 1714	U1	IMU	Adafruit 9-DOF IMU	1	Adafruit Industries LLC	1714	Digi-Key	USD	1	1528-1029-ND	26	19.95	19.95
	High-Speed CAN													
	Transceiver, 8-Pin PDIP, Extended					Microchip								
MCP2562-E/P	Temperature	U2	PDIP300-P8	MCP2551-E/P	1	Technology	MCP2562-E/P	Digi-Key	USD	1	MCP2562-E/P-ND	718	0.93	0.93
	5V DC/DC Converter (7805					Murata Power	OKI-78SR-5/1.5-							
OKI-78SR	replacement)	U3	78xx	7805	1	Solutions Inc.	W36-C	Digi-Key	USD	1	811-2196-5-ND	11114	4.3	4.3
74HC32	Quad 2-Input OR (N14A	74ACT32PC	1	Texas Instruments	SN74HC32N	Mouser	USD	1	595-SN74HC32N	6571	0.46	0.46