















Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	Capacitor	Chip Capacitor,									
1	100 nF +/-	100 nF, +/- 10%,	C1, C4, C7, C8, C9,	8	Yageo	CC0805KRX7R9BB104	Volume Production	Newark	65R8992	0.019	0.152
	10% 50 V 0805	50 V, 0805 (2012 Metric)	C10, C11, C12								
		CAP TANT 10UF									
2	100u, 220u	10% 16V 2312	C2, C3, C5, C6	4	KEMET	T491C106K016AT	Volume Production	Newark	57K1846	0.085	0.34
3	LTST-	LED GREEN CLEAR	D1, D2, D3, D4	Δ	Vishay Lite-On	LTST-C171GKT	Volume Production	Digi-Key	160-1423-1-ND	0.26	1.04
5	C171GKT	CHIP SMD	01,02,00,01	·		2131 317 1311	Volume i roduction	Digi Ney	100 1120 1140	0.20	1.01
4	SS34-E3/57T	DIODE SCHOTTKY 40V 3A DO214AB	D5, D6	2	Vishay Semiconductors	SS34-E3/57T	Volume Production	Mouser	625-SS34-E3	0.57	1.14
		PolySwitch			Serriconductors						
		Resettable Device	,								
5		6 V, 1.1 A, -40 to	F1	1	TE Connectivity	NANOSMDC110F-2	Volume Production				
5		85 degC, 2-Pin	' '	'	TE CONNECTIVITY	IVANOSIVIDO I TOF-2	volume Flouuction				
		SMD, RoHS, Tape									
	ALTIMU_NA	and Reel									
6	SZE		IMU*1	1	Pololu	ALTIMU-10 V3					
7	714-132	No Description	J1	1							
/		Available		· ·							
8	XT-30PB	ugabuga	J1	1							
9	micro sd slot		J*2	1							
	DE1205-56			_							
10	FERROCORE		L1, L2	2							
	ESP32-	WIFI MODULE					Not Recommended for New				
11	WROOM-	32MBITS SPI	MD1	1	Espressif Systems	ESP32-WROOM-32D	Design				
	32D	FLASH Header, 20-Pin,									
12	Header 20X2	Dual row	P1	1							
13	Header 2	Header, 2-Pin	P2	1							
14	Header 4	Header, 4-Pin	P3	1							
		N-Channe Plastic									
45	0.10000	Encapsulate	Q1_LED_ON,								
15	CJ2302	MOSFET, 20 V, 2.1 A, 3-Pin SOT23,	Q1_RPI_ON	2							
		Tape and Reel									
			R1, R2, R3, R4, R5,								
			R1, R2, R3, R4, R5, R6, R7_LED_ON,								
	Resistor 33k	Chip Resistor, 10	R7_RPI_ON,								
	+/-1% 0805	KOhm, +/- 1%, 125	R8 LED ON								
16	125 mW,	mW, -55 to 155	R8_RPI_ON, R9,	22	Yageo	RC0805FR-0710KL	Volume Production	Newark	85X1799	0.004	0.088
	Resistor 10k	degC, 0805 (2012	R10, R11, R12,								
	+/-1% 0805 125 mW	Metric)	R13, R14, R15,								
	12311100		R16, R17, R18,								
			R19, R20								
		SWITCH TACTILE									
17	147873-1	SPST-NO 0.05A	SW1	1	TE Connectivity	147873-1	Volume Production	Newark	82AC1060	0.177	0.177
	1	24V							+		
18	LM2596-ADJ	Switching converter DC-DC	U1, U2	2							
	1	COUNCILE DC-DC	L	L	1			1		L	