

References	QTY	Value	Footprint	Manufacturer	Mfg Part #	Distributor	Extra %	Distributor PN	unit cost	total cost	3439.005
BT1	1	Battery_Cell	12BH321P-GR	Eagle Plastic De	12BH321P-GR	Mouser	0.00%	12BH321P-GR	300	\$0.75	\$225.00
C1 C2 C5	3	10uF 6.3v	C_0603	wurth	885012106006	Mouser	15.00%	710-885012106006	1035	\$0.10	\$103.50
C14	1	2.2uF	C_0603	Wurth	885012106011	Mouser	15.00%	710-885012106011	345	\$0.05	\$16.63
D1 D2 D3	3	D_Schottky	D_SOD-123	MCC	MBR0520-TP	Mouser	15.00%	833-MBR0520-TP	1035	\$0.06	\$62.10
L2	1	68uH	L_1812	muRata	LQH43CN680K0	Mouser	5.00%	81-LQH43CN680K03L	315	\$0.31	\$96.39
L1	1	4.7uH	L_1812	muRata	LQH58PN4R7N1	Mouser	5.00%	81-LQH58PN4R7N1TOI	315	\$0.32	\$99.54
R8 R9 R11	3	100k	R_0603	Vishay	RCA0603100KJN	Mouser	15.00%	71-RCA0603100K_JNE	1035	\$0.01	\$6.21
R1 R3 R10	3	10KR	R_0603	Vishay	RC0603FR-0710K	Mouser	15.00%	603-RC0603FR-0710K	1035	\$0.01	\$14.49
R4 R2	2	2.2R	R_0603	Yageo	AC0603FR-072R	Mouser	15.00%	603-AC0603FR-072R	690	0.006	\$4.14
R12 R13	2	2.2k	R_0603	BoM Semicon	ESR03EZPJ22	Mouser	15.00%	755-ESR03EZPJ22	690	\$0.03	\$17.25
U1	1	ESP32-WROOM	ESP32-WROOM	Espressif	ESP32-WROOM-32	Mouser	0.00%	356-ESP-WROOM-32	300	\$3.80	\$1,140.00
U3	1	KX122-1037	LGA16R56PAX4	Kioxia	KX122-1037	Mouser	5.00%	912-KX122-1037	315	\$0.72	\$226.17
U2	1	XC9141	SOT89P280X131	Torex	XC9141A33CER	Mouser	5.00%	865-XC9141B33DMR-	315	\$0.79	\$247.28
X1	1	52435-2471	MOLEX_52435-2	Molex	52435-2471	Mouser	5.00%	538-52435-2471	315	\$1.21	\$381.15
X2	1	DNP								\$0.00	\$0.00
										\$0.00	\$0.00
										\$0.00	\$0.00
C3 C4 C6 C7 C8 C9 C10 C11 C	12	1uF 16v	C_0603	Kemet	C0603X109K4R	Digikey	10.00%	80-C0603X109K4R	3960	\$0.12	\$475.20
J2	1		105162-0001	Molex	105162-0001	Digikey	5.00%	538-105162-0001	315	\$0.66	\$207.90
Q2	1	Q_NMOS_GSD	SOT-23	Diodes	DMN83KCT	Digikey	10.00%	DMN83KCTR-ND	330	\$0.12	\$40.92
C15 C19	2	220uF	CP_Elec_8.3x5.1	Lelon	VZL221M1CTR-0	Mouser	15.00%	140-VZL221M1CTR-0	690	\$0.11	\$73.14