

Item	QTTY	Component Reference	Description	Manufacturer	Manufacturer Part	Supplier	Supplier Part	Notes
1	1	B1	CR2032 Battery Retainer	KEystone	3003	Farnell InOne	908654	.
2	3	C1-2, C9	Capacitor 100nF 0402 X5R	Bourns Yageo	CC0402AX5R104KTR	Flint	CC0402AX5R104KTR	.
3	2	C4-5	Capacitor 10uF 6.3V 0805 X7R	Murata	GRM21BR71A106KE51L	Farnell InOne	1828828	.
4	1	C17	Capacitor 470pF 0402 X7R	KEMET	C0402C471K5RACTU	Farnell InOne	1414593	.
5	1	C14	Capacitor 220uF Tant Case B	AVX	TAJB227M004R	Farnell InOne	1658156	.
6	1	C11	Capacitor 2pF 0402 NPO	PhyComp(Yageo)	GCM1555C1H2R0CZ13D	Farnell InOne	1402737	.
7	1	C6	Capacitor 1.2pF 0402 NPO	muRata	GRM1555C1H1R2CZ01D	DigiKey	490-1265-1-ND	.
8	1	C16	Capacitor 15pF 0402 COG	KEMET	C0402C150J5GACTU	Farnell InOne	1414577	.
9	2	C3, C10	Capacitor 47pF 0402 NPO	Murata	MCCA000107	Farnell InOne	1758959	.
10	1	D1	Dual Diode Schottky BAT754C	NXP	BAT754C	Farnell InOne	1081205	.
11	3	J6-8	Connector Header 2-Way 2.54mm pitch	HARWIN	M20-9990246	Farnell InOne	1022247	.
12	1	J9	HEADER, 1ROW, 20WAY Vertical	Harwin	M52-5002045	Farnell InOne	1099545	Use 3/10s of a strip
13	1	L2	Inductor 4u7H	TDK	MLZ2012M4R7H	Mouser	810-MLZ2012M4R7H	.
14	1	L1	Inductor 3n3H	muRata	LQP15MN3N3B02	Farnell InOne	1404743	.
15	1	R7	Resistor 0R 1206 1%	PhyComp(Yageo)	232271191032	Farnell InOne	9240276	.
16	1	R11	Resistor 2K2 0402 1%	PhyComp(Yageo)	RC0402FR-072K2L	Farnell InOne	9239278	.
17	3	R2, R9	Resistor 0R 0402 1%	PhyComp(Yageo)	RC0402JR-070RL	Farnell InOne	9232516	Fit R3 and R10 instead of R2 and R9 if using external NTAG
18	2	R8, R12	Resistor 4K7 0402 1%	MultiComp	MC 0.0625W 0402 1% 4K7	Farnell InOne	1358060	Only if using external NTAG
19	1	U1	JN5189 or QN9090	NXP	JN5189-001 or QN9090-001	NXP	JN5189-001 or QN9090-001	.
20	1	U2	NT3H1201	NXP	NT3H1201	NXP	NT3H1201	Only if using external NTAG
21	1	SW1-5	SMD Switch push button (Tactile)	Panasonic	EVQ-Q2P03W	947	2460019	.
22	1	X2	Crystal 32MHz	NDK America Inc	NX2016SA-32MHZ-EXS00A-CS11213 6pF	Digikey	644-1376-6-ND	.
23	1	X1	Crystal SMD 32.768 kHz	Abrakon	ABS07-120-32.768KHZ-T	Farnell InOne	2467864	.

Revision	Date	Assembly	Description
1V1	17/01/2020	DR1236	Coincell Switch PCB