

BOM Aibo Battery 1.0

ID	Name	Designator	Footprint	Quantity	Note	Purchase link
1	0.1uF	C1,C8,C9,C10,C11,C12	C0402	6	25V	https://si.farnell.com/samsung-electro-mechanics/cl05a104ka5nnnc/cap-0-1uf-25v-mlcc-0402/dp/3013323
2	0.47uF	C2,C3,C4,C5	C0402	4	25V	https://si.farnell.com/tdk/c1005x5r1v474k050bc/cap-0-47uf-35v-mlcc-0402/dp/3650965
4	0.01uF	C6,C7,C13	C0402	3	50V	https://si.farnell.com/samsung-electro-mechanics/cl05b103kb5nnnc/cap-0-01uf-50v-mlcc-0402/dp/3013345
6	SD101CWS-7-F	D1	SOD-323	1		https://si.farnell.com/diodes-inc/sd101cws-7-f/diode-schottky-40v-0-2w-sod323/dp/1773498
7	SD103BWS	D2	SOD-323	1		https://si.farnell.com/diodes-inc/sd103bwsq-7-f/schottky-diode-30v-0-35a-sod-323/dp/3589350
8	BZT52H-B5V6,115	D3,D4	SOD-123F	2		https://si.farnell.com/nexperia/bzt52h-b5v6-115/diode-zener-0-375w-5-6v-sod123f/dp/2069447
9	IRF7490TRPBF	Q1,Q2	SOIC	2		https://si.farnell.com/infineon/irf7490trpbf/mosfet-n-ch-100v-5-4a-soic-8/dp/2803412
10	2N7002	Q3	SOT-23-3	1		https://si.farnell.com/nexperia/2n7002nxbkr/mosfet-n-ch-60v-0-27a-sot-23/dp/3226401
11	0.005	R1	R1206	1		https://si.farnell.com/tt-electronics-welwyn/mfc1206-r005ft5/current-sense-res-aec-q200-0r005/dp/3782210
12	10	R2	R0402	1		https://si.farnell.com/koa-speer-electronics/rk73b1ettp100/res-10r-5-0-1w-0402/dp/3537746
13	10k	R3,R10	R0402	2		https://si.farnell.com/yageo/rc0402jr-0710kl/res-10k-5-0-0625w-0402-thick-film/dp/9232885
14	49.9	R4,R5	R0805	2		https://si.farnell.com/vishay/crcw080549r9fkea/res-49r9-1-0-125w-0805-thick-film/dp/1469935
15	2k	R6	R1206	1	0.25W	https://si.farnell.com/vishay/rcc12062k00fkea/res-2k-1-0-5w-1206-thick-film/dp/3755564
16	1k	R7,R11	R0402	2		https://si.farnell.com/yageo/rc0402jr-071kl/res-1k-5-0-0625w-0402-thick-film/dp/9232761
17	100	R8,R9	R0402	2		https://si.farnell.com/yageo/rc0402jr-07100rl/res-100r-5-0-063w-0402-thick-film/dp/9232648
18	NTC 100k	R12,R13	R0805	2	NOT USED	https://si.farnell.com/epcos/b57164k0104j000/thermistor-ntc/dp/9753443
19	MAX17320G20+	U1	QFN-24	1		https://si.farnell.com/maxim-integrated-products/max17320g20/batt-fuel-gauge-i2c-40-to-85deg/dp/3501910
20	Laptop battery connector	U2	6 PIN, 2.5mm	1	Generic	https://www.aliexpress.com/item/32894485710.html