

Sheet1

LC-2301a Bill of Materials, PCB

Pos	Type	Description	Reference Designators	Qty	Vendor	Part Number	Unit Cost	Total Cost
1	C	0.1 uF	C1a, C1c, C1d, C4a, C5a	5	Digikey	399-1097-1-ND	0.10 €	0.50 €
2	C	15 pF	C1e	1	Digikey	445-1271-1-ND	0.09 €	0.09 €
3	C	0.01 uF	C1g, C3g, C5g, C7g	4	Digikey	445-1311-1-ND	0.09 €	0.36 €
4	C	18 pF	C2a, C11e, C12e	3	Digikey	445-1272-1-ND	0.09 €	0.27 €
5	C	0.47 uF	C2c	1	Digikey	490-3295-1-ND	0.18 €	0.18 €
6	C	12 pF	C2e	1	Digikey	445-1270-1-ND	0.09 €	0.09 €
7	C	10 uF	C2g, C4g, C6g, C8g	4	Digikey	587-2562-1-ND	0.56 €	2.24 €
8	C	20 pF	C3a	1	Digikey	478-7912-1-ND	0.20 €	0.20 €
9	C	220 pF	C3e	1	Digikey	445-1285-1-ND	0.09 €	0.09 €
10	C	1 uF	C4e	1	Digikey	490-5241-1-ND	0.31 €	0.31 €
11	C	8.2 pF	C5e	1	Digikey	478-4997-1-ND	0.21 €	0.21 €
12	C	5.6 pF	C6e	1	Digikey	399-9110-1-ND	0.22 €	0.22 €
13	C	3.3 uF	C7e	1	Digikey	445-5168-1-ND	0.25 €	0.25 €
14	C	1 nF	C8e, C10e	2	Digikey	490-1451-1-ND	0.13 €	0.26 €
15	C	33 nF	C9e	1	Digikey	445-5093-1-ND	0.09 €	0.09 €
16	C	68 pF	C13e	1	Digikey	445-1279-1-ND	0.09 €	0.09 €
17	D	LED	D1a, D2a	2	Digikey	160-1447-1-ND	0.26 €	0.52 €
18	P	CubeSat Connector	H1b	1	Samtec	ESQ-126-39-G-D	9.29 €	9.29 €
19	P	CubeSat Connector	H2b	2	Samtec	ESQ-126-39-G-S	5.45 €	10.90 €
20	L	12 nH	L1a	1	Digikey	PCD2003CT-ND	0.12 €	0.12 €
21	L	BLM18HG102SN1	L1e, L4e	2	Digikey	490-1034-1-ND	0.17 €	0.34 €
22	L	68 nH	L2e	1	Digikey	PCD2012CT-ND	0.12 €	0.12 €
23	L	6.2 nH	L3e	1	Digikey	490-1163-1-ND	0.29 €	0.29 €
24	L	33 nH	L5e	1	Digikey	PCD2008CT-ND	0.12 €	0.12 €
25	P	SMA	P1a	1	Digikey	ARFX1232-ND	5.59 €	5.59 €
26	P	2POS	P2a	1	Digikey	732-2699-ND	0.51 €	0.51 €
27	P	MICRO-06-R-SMT	P3a	1	Digikey	WM7624CT-ND	1.44 €	1.44 €
28	R	0.1 r	R1a	1	Digikey	CRA2512-FZ-R100ELFCT-ND	0.63 €	0.63 €
29	R	4.75 k	R1c	1	Digikey	P4.75KHCT-ND	0.09 €	0.09 €
30	R	10 k	R1e, R1f, R1g, R2a, R3g	5	Digikey	311-10.0KHRCT-ND	0.09 €	0.45 €
31	R	100 k	R2c	1	Digikey	311-100KGRCT-ND	0.09 €	0.09 €

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32	R	27 k	R2e	1	Digikey	RMCF0603JT27K0CT-ND	0.09 €	0.09 €
33	R	1.1 k	R2g	1	Digikey	P1.1KGCT-ND	0.09 €	0.09 €
34	R	1.5k	R3a, R4a	2	Digikey	P1.5KGCT-ND	0.09 €	0.18 €
35	R	82 k +/- 1%	R3e	1	Digikey	P82.0KHCT-ND	0.09 €	0.09 €
36	R	0 r	R5a, R6a	2	Digikey	P0.0GCT-ND	0.09 €	0.18 €
37	IC	AS193-73	U1a	1	Digikey	863-1006-1-ND	0.75 €	0.75 €
38	IC	C8051F120	U1c	1	Digikey	336-1223-ND	15.65 €	15.65 €
39	IC	IS62WV5128BLL-	U1d	1	Digikey	IS62WV5128BLL-55TLI-TR	3.83 €	3.83 €
40	IC	CC1000	U1e	1	Digikey	296-19576-1-ND	6.52 €	6.52 €
41	IC	TPS2024D	U1f, U2a	2	Digikey	296-2564-1-ND	2.23 €	4.46 €
42	IC	MAX893L	U1g	1	Digikey	MAX893LESA+-ND	1.86 €	1.86 €
43	IC	REF3130	U2c	1	Digikey	296-17098-1-ND	2.60 €	2.60 €
44	IC	RAMP-33LN+	U2f	1	Digikey	*MINI-CIRCUITS: RAMP-33LN-	18.77 €	18.77 €
45	IC	SKY65116	U2g	1	Digikey	863-1072-1-ND	5.34 €	5.34 €
46	IC	TMP20	U3g	1	Digikey	296-25570-1-ND	0.98 €	0.98 €
47	X	14.7456MHz_16p	X1e	1	Digikey	535-9633-1-ND	0.81 €	0.81 €

Total: 98.15 €