

Item	Quantity	Reference	Part	Manufacturer	MPN	PCB Footprint
1	2	C1,C6	7pF	Murata	GRM0335C1 H7R0BA01D	0201C
2	3	C2,C3,C4	1.0uF	Murata	GRM033R61 A105ME15D	0201C
3	2	C5,C8	8pF	Murata	GRM0335C1 H8R0DA01J	0201C
4	1	C7	470pF	Murata	GRM033R71 C471KA01D	0201C
5	9	C9,C10,C11,C 13,C22,C87,	2.2uF	Murata	GRM033R61 A225KE47D	0201C
6		C117,C120,C1 21				
7	20	C12,C16,C19, C20,C23,C30,	1.0uF	Murata	GRM033R61 A105ME15D	0201C
8		C31,C32,C33, C34,C35,C37,				
9		C40,C41,C42, C45,C79,C91,				
10		C99,C100				
11	3	C14,C101,C10 2	12pF	Murata	GRM0335C1 H120GA01D	0201C
12	5	C15,C21,C38, C39,C69	4.7uF	Murata	GRM155R61 A475MEAAD	0402C
13	1	C17	0.047uF	Murata	GRM033R60 J473JE19D	0201C
14	13	C18,C36,C60, C61,C64,C66,	0.1uF	Murata	GRM033R61 E104KE14	0201C
15		C68,C71,C80, C84,C115,				
16		C116,C118				
17	5	C24,C26,C28, C43,C44	10uF	Walshin	ZRB15XR61A 106ME01D	0402C
18	4	C25,C27,C29, C72	82pF	Murata	GRM0335C1 H820GA01D	0201C
19	2	C47,C48	0.5pF	Murata	GJM0335C1 HR50WB01	0201C
20	2	C49,C50	6pF	Murata	GRM0335C1 E6R0BA01D	0201C
21	2	C51,C52	9pF	Murata	GRM0335C1 E9R0BA01D	0201C
22	5	C53,C54,C57, C63,C88	100pF	Murata	GRM0335C1 E101JA01D	0201C

23	8	C55,C56,C65, C89,C92,C93,	33pF	Murata	GRM0335C1 H330GA01D	0201C
24		C94,C95				
25	5	C58,C59,C74, C110,C119	18pF	Murata	GJM0335C2 A180GB01	0201C
26	10	C62,C75,C77, C78,C103,	1pF	Murata	GRM0335C1 H1R0BA01D	0201C
27		C107,C111,C1 13,C114,C123				
28	2	C67,C82	0	Yageo	RC0402FR- 070RL	0402C
29	2	C70,C83	4.7uF	Murata	GRM035R60 J475ME15	0201C
30	1	C73	1nF	Murata	GRM033R71 C102MA01D	0201C
31	1	C76	3.3pF	Murata	GJM0335C1 E3R3BB01D	0201C
32	1	C81	1nF	Murata	GRM033R71 C102MA01D	0201C
33	2	C85,C86	47uF	Murata	GRM21BR61 A476ME15	0805C
34	2	C90,C96	0.1uF	Murata	GRM033R61 E104KE14	0201C
35	2	C97,C98	470pF	Murata	GRM033R71 C471KA01D	0201C
36	3	C104,C106,C1 12	1.5pF	Murata	GJM0335C1 E1R5BB01	0201C
37	1	C105	1pF	Murata	GJM0335C1 E1R5BB01	0201C
38	1	C122	0.01uF	Murata	GRM033R71 A103KA01D	0201C
39	7	D1,D2,D3,D4, D5,D6,D7	Diode_ES D	Inpaq	EGA10201V 05B0M0	201
40	2	FB1,FB2	Bead	Inpaq	MCB0603S1 21EBPM0	201
41	4	FB3,FB4,FB5,F B6	Bead	Inpaq	MHC1005S1 21MBPM0	402
42	2	FB7,FB8	Bead	Inpaq	MHC1608S6 00QBPM0	603
43	1	FL1	WIFI_FILT ER	Murata	SAFQA2G45 MB0G0AR1X	110_090_5PIN

44	1	FL2	GNSS_FILTER	Murata	SAFFB1G56K BOFOAR1X	1109
45	1	J1	PFP-Z6720-A00	Amphenol	PFP-Z6720-A00	813-22-004
46	1	J2	USB FLEX CONN	Amphenol	59453-05111CHLF	59453-05111CHLF
47	2	J3,J4	Pogo Pin	Amphenol	PFP-Z7180-A00	PFP-Z7180-A00
48	1	J5	Pogo Pin	Amphenol	PFP-Z7190-A00	PFP-Z7190-A00
49	1	LED1	CL426	Citizen	CL-426F-AACC	4pin_LED
50	1	L1	2.2uH	Inpaq	WIP201610P-2R2MLM0	0805L
51	1	L2	2.2nH	Murata	LQP03TN2N2B02D	0201L
52	1	L3	1uH	Inpaq	MIP1608P1R0MBPM0	0603L
53	2	L4,L5	2.2uH	Cyntec	SDEB12101T-2R2MSD	1p25x1p0L
54	1	L6	4.7uH	Inpaq	MIP1608H4R7MBP	603
55	2	L7,L8	10nH	Murata	LQP03TN10NH02D	0201L
56	1	L9	2.4nH	Murata	LQP03TN2N4B02	0201L
57	1	L10	6.2nH	Murata	LQP03TN6N2H02	0201L
58	1	L11	5.6nH	Murata	LQP03TN5N6H02	0201L
59	1	M1	PMCM4401VPE	Nexperia	PMCM4401VPE	WLCSP4
60	3	M4,M15,M16	PMCM4401VNE	Nexperia	PMCM4401VNE	WLCSP4_0p8
61	1	M17	CSD23285F5	TI	CSD23285F5	MOSFET
62	1	RT1	10K	Panasonic	ERT-JZEG103FA	201
63	4	R1,R2,R12,R15	2.2K	Yageo	RC0201JR-072K2L	0201R
64	1	R7	3.6K	Yageo	RC0201JR-073K6L	0201R

65	9	R8,R9,R19,R20,R21,R23,	100K	Yageo	RC0201JR-07100KL	0201R
66		R26,R164,R167				
67	3	R10,R180,R184		0 Yageo	RC0201JR-070RL	0201R
68	10	R11,R13,R16,R17,R22,R28,	10K	Yageo	RC0201JR-0710KL	0201R
69		R29,R31,R32,R177				
70	1	R14	7.15K	Yageo	RC0201FR-077K15L	0201R
71	1	R18	30K	Yageo	RC0201FR-0730KL	0201R
72	2	R24,R183	100K	Yageo	RC0201JR-07100KL	0201R
73	5	R25,R169,R174,R175,R178	1M	Yageo	RC0201JR-071ML	0201R
74	1	R27	49.9	Yageo	RC0201FR-0749R9L	0201R
75	1	R30	1.0M	Yageo	RC0201JR-071ML	0201R
76	1	R33	10K	Yageo	RC0201JR-0710KL	0201R
77	3	R165,R168,R176	560K	Yageo	RC0201JR-07560KL	0201R
78	3	R173,R181,R185		0 Yageo	RC0201JR-070RL	0201R
79	3	SW1,SW2,SW3	RF_SW	Ipex	MFH-SW20	RF_SW
80	1	U1	AMA3B1KK	Ambiq	AMA3B1KK-KBR-B0	BGA81
81	1	U2	MAX14745	Maxim	MAX14745REWXT	WLP36
82	1	U3	SI8817DB	Vishay	SI8817DB-T2-E1	4-ball_bump
83	1	U4	IS25WP016D-JULE	ISSI	IS25WP016D-JULE	USON-8
84	1	U5	DA16200	Dialog	DA16200	QFN48
85	1	U6	SKY13323	Skyworks	SKY13323	QFN6
86	1	U7	CXD5605	Sony	CXD5605AGF	WLCSP

87	1	U8	GNSS_LN A	NXP	BGU8103	XSON6
88	1	U9	SLG59M1 748C	Dialog	SLG59M174 8C	4L_WLCSP
89	1	U10	TPM540G	SERCOMM	TPM540	LGA
90	1	U11	Chip_SIM	Gemalto	G2345	VQFN-8
91	1	U12	LP5521	TI	LP5521TMX/ NOPB	DSBGA-20
92	1	U13	KX126	Kionix	KX126	LGA12
93	1	U14	BH1749N UC	ROHM	BH1749NUC	WSON
94	1	U15	MX25U25 645G	Macronix	MX25U2564 5GBFI00	WLCSP-48
95	2	Y1,Y4	32KHzCry stal	NDK	NX1610SA	1610SA
96	1	Y2	32MHzCr ystal	NDK	NX1210SA	1210SA
97	1	Y3	40MHzCr ystal	NDK	NX1210SA	1210SA
98	1	Y5	26MHzTC XO	NDK	ENA5349A	1612AA