

## Bill of materials

Table 1. STEVAL-FKI915V1 bill of materials

Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
1	1	C1	22 pF	Capacitor_not polarized	Murata	GRM1555C1H220JZ01
2	1	C2	10 nF	Capacitor_not polarized	Murata	GRM155R71E103MA01D
3	2	C3, C21	4u7 F	Capacitor_not polarized	Walsin	0603X475K100CT WALSIN
4	5	C4, C7, C11, C15, C20	470 nF	Capacitor_not polarized	Murata	GRM155R61A474KE15D
5	13	C5, C6, C8, C12, C14, C	100 pF	Capacitor_not polarized	Murata	GRM1555C1H101JZ01D
6	1	C9	33 pF	Capacitor_not polarized	Murata	GRM1555C1H330JZ01
7	1	C10	1 nF	Capacitor_not polarized	Murata	GRM155R71H102MA01D
8	1	C13	470 pF	Capacitor_not polarized	Murata	GRM1555C1H471JA01
9	3	C17, C24, C43	3p3 F	Capacitor_not polarized	Murata	GRM1555C1H3R3CZ01
10	4	C18, C25, C31, C33		Capacitor_not polarized (not mounted)	-	-
11	4	C22, C27, C40, C48	150 nF	Capacitor_not polarized	Murata	GRM155R61A154KE19D
12	1	C26	1 uF	Capacitor_not polarized	Murata	GRM188R61A105KA61D
13	2	C28, C42	1p5 F	Capacitor_not polarized	-	GRM1555C1H1R5CZ01
14	1	C32	1p2 F	Capacitor_not polarized	Murata	GRM1555C1H1R2CZ01
15	1	C34	3p9 F	Capacitor_not polarized	Murata	GRM1555C1H3R9BA01
16	1	C35	5p6 F	Capacitor_not polarized	Murata	GRM1555C1H5R6DZ01
17	2	C37, C38	12 pF	Capacitor_not polarized	Murata	GRM1555C1H120JZ01
18	1	C41	2p7 F	Capacitor_not polarized	Murata	GRM1555C1H2R7CZ01
19	1	C44	1p8 F	Capacitor_not polarized	Murata	GRM1555C1H1R8CZ01
20	1	C45	8p2 F	Capacitor_not polarized	Murata	GRM1555C1H8R2DZ01
21	1	C46	100 nF	Capacitor_not polarized	Murata	GRM155R61H104JE14D
22	2	FLT1, FLT2	-	Saw filter (not mounted)	Tai-Saw Technology	TA0801A
23	1	IC1	-	RF IC QFN24 4x4x1	ST	<a href="#">S2-LPQTR</a>
24	1	IC2	-	EEPROM	ST	<a href="#">M95640-RMC6</a>
25	2	J1, J2	Header 8X1_Female	Header, 8-Pin, Single row	-	Header 8X1_Female
26	1	J3	ANT1	SMA connector F 1.6mm	-	ANT1
27	1	J4	ANT2	(not mounted)	-	ANT2
28	1	J5	Header 10X1_Female	Header, 10-Pin, Single ro	-	Header 10X1_Female
29	1	J6	Header 6X1_Female	Header, 6-Pin, Single row	-	Header 6X1_Female

Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
30	1	JP1	Closed	Solder Jumper	-	Closed
31	2	L1, L13	4n7 H	-	Murata	LQG15HN4N7S02D
32	1	L2	3n3 H	-	Murata	LQG15HN3N3S02D
33	5	L3, L5, L6, L7, L8	6n8 H	-	Murata	LQG15HN6N8S00D
34	1	L4	15 nH	Inductor	Murata	LQG18HN15NJ00
35	1	L9	0 Ω	-	-	-
36	1	L10	10 uH	FCM1608KF-601T03	Murata	LQM21FN100M70L
37	2	L11, L15	18 nH	-	Murata	LQW15AN18NH00
38	1	L12	33 nH	-	Murata	LQW15AN33NH00
39	1	L14	5n6 H	-	Murata	LQW15AN5N6G00
40	1	L16	Ω	-	-	-
41	1	L17	6n2 H	-	Murata	LQW15AN6N2G00
42	1	L18	3 nH	-	Murata	LQG15HN3N0S02D
43	1	L19	1n3 H	-	Murata	LQG15HN1N3S02D
44	1	P1	PA_PWR	Header, 3-Pin	-	-
45	1	P2	Ext_Pwr	Header, 2-Pin, Right Angl	-	-
46	1	P3	Header 2	Header, 2-Pin	-	-
47	12	R1, R4, R5, R6, R8, R9, R10, R12, R13, R14, R15, R21	0 Ω	Resistor	-	-
48	1	R2	49R9 Ω	Resistor	-	-
49	3	R3, R7, R11	-	Resistor (not mounted)	-	-
50	1	R16	10 kΩ	Resistor	-	-
51	4	R17, R18, R19, R20	1 kΩ	Resistor	-	-
52	3	R22, R23, R24	100 kΩ	Resistor	-	-
53	1	U1	-	-	Skyworks	SE2435L
54	1	X1	50MHz	XTAL	NDK Crystal	NX1612SA
55	1	-	-	-	ST	Nucleo-L152RE
56	1	-	-	ANT-900MR Right angle	LPRS	868-915MHz Flexible Whip Antenna

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