

Document reference:	PCB reference: STEVAL-IDB003V1 - BlueNRG_Dongle
Company: STMicroelectronics	

Item	Quantity	Reference	Part / Value	Voltage / Ampere/Ohm	Type / Additional Notes	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number
BlueNRG_Dongle									
1	1	ANT1	2.4 GHz		Chip Antenna		SMD	Rainsun	AN2051-245
2	2	C1, C22	100pF	50V	Ceramic C0G	±5pF	SMD 0402	Murata	GRM1555C1H101JZ01
3	1	C2	150nF	10V	Ceramic X5R	±10%	SMD 0402	Murata	GRM155R61A154KE19
4	6	C3,C25,C26,C28,C30,C33	1uF	10V	Ceramic X5R	±10%	SMD 0402	Murata	GRM155R61A105KE15
5	14	C4,C17,C18,C19,C20,C23,C24,C27,C29,C31,C32,C35,C36,C38	100nF	16V	Ceramic X7R	±10%	SMD 0402	Murata	GRM155R71C104KA88
6	3	C5,C10,C42	56pF	50V	Ceramic C0G C42 NOT MOUNTED	±5%	SMD 0402	Murata	GRM1555C1H560JA01
7	2	C6,C7	22pF	50V	Ceramic C0G	±5%	SMD 0402	Murata	GRM1555C1H220JA01
8	2	C8,C11	1.3pF	50V	Ceramic C0G	±0.25pF	SMD 0402	Murata	GRM1555C1H1R3CA01
10	1	C13	NOT MOUNTED	-	-	-	-	-	-
11	3	C9,C12,C14	0.5pF	50V	Ceramic C0G	±0.1pF	SMD 0402	Murata	GRM1555C1HR50BZ01
12	2	C15,C16	15pF	50V	Ceramic C0G	±5%	SMD 0402	Murata	GRM1555C1H150JA01
13	1	C21	10uF	4V	Ceramic X5R	±20%	SMD 0402	Murata	GRM155R60G106ME44
14	1	C34	2.2uF	6.3V	Ceramic X5R	±20%	SMD 0402	Murata	GRM155R60J225ME95
15	1	C37	33nF	25V	Ceramic X7R	±10%	SMD 0402	Murata	GRM155R71E333KA88
16	3	C39,C40,C41	10nF	50V	Ceramic X7R	±10%	SMD 0402	Murata	GRM155R71H103KA88
17	1	D1	BAT30F3				Flip Chip	ST	BAT30F3
18	1	D2	RED LED				SMD 0603	Vishay	TLMS1100-GS08
19	1	D3	ORANGE LED				SMD 0603	Vishay	TLMO1100-GS08
20	1	J1	USBA Male					Molex	048037-1000
21	1	J2	SWD STRIP 6 PINS		SWD STRIP		Through Hole 6x1 2.54mm pitch		

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22	1	L1	10uH			20%	SMD 0805	Murata	LQM21FN100M70L
23	2	L2,L3	1.3nH			±0,05nH	SMD 0402	Murata	LQP15MN1N3W02
24	1	L4	5.6nH			±0,3nH	SMD 0402	Murata	LQG15HN5N6S02
25	1	L5	2.4nH			±0,05nH	SMD 0402	Murata	LQP15MN2N4W02
26	3	L6,L7,L8	0.6 Ohm 300 mA				SMD 0402	Murata	BLM15AG601SN1D
27	7	R1,R2,R3,R4, R5,R6,R11	10k			±1%	SMD 0402	ANY	ANY
28	1	R7	100k			±1%	SMD 0402	ANY	ANY
29	2	R8,R9	680			±1%	SMD 0402	ANY	ANY
30	1	R10	0			±1%	SMD 0402	ANY	ANY
31	2	SW1,SW2	PUSHBUTTON				SMD	C & K	KMR221GLFS
32	1	U1	STM32L151CUB6				UFQFPN48 7x7mm	ST	STM32L151CUB6
33	1	U2	BLUENRG-N				VQFPN32	ST	Blue_NRG
34	1	U3	USBLC6-2				SOT-666	ST	USBLC6-2P6
35	1	U4	LDS3985PU33R				DFN6D exposed pad	ST	LDS3985PU33R
36	1	U5	SMM4F50A				STmite flat (DO222-AA)	ST	SMM4F5.0A
37	1	U6	M95640-RMC6TG				UFDFPN8 (MLP8)	ST	M95640-RMC6TG
38	1	U7	U.FL connector	50 Ohm - 6 Ghz	SMD Coaxial Connector		SMT	Hirose	U.FL-R-SMT-1(10)
39	1	Y1	NX3215SA_32kHz				SMD	NDK	NX3215SA-32.768kHz- EXS00A-MU00003
40	1	Y2	NX3225SA_32_MHz				SMD	NDK	NX3225SA-32.000MHz- EXS00A-CS03878
41	1	Y3	8MHz				CSTCE8M00G55- R0	Murata	CSTCE8M00G55-R0