

Reference Design											
	Nordic nRF51x22				Murata Capacitor, Inductor, Timing Device, Balun						
	Description	QFAA/B/C QFN48 with internal LDO low vol. mode	QFAA/B/C QFN48 With DC/DC	WLCSP with internal LDO	Status	Size	Description	Parts Number	Remark	Request Sample	Stock Check
C1, C2	12pF, NP0, +/-2%	2	2	2	Nordic confirmed	1.0x0.5(0402)	(For X1:Murata XRC) 10pF, NP0, +/-2%	GRM1555C1H100GA01		Go	Go
					Optional	0.6x0.3(0201)	(For X1:Murata XRC) 10pF, NP0, +/-2%	GRM0335C1H100GA01		Go	Go
C3	2.2nF, X7R, +/-10%	1	1	1	Nordic confirmed	1.0x0.5(0402)	2.2nF, X7R, +/-10%	GRM155R71C222KA01		Go	Go
					Optional	0.6x0.3(0201)	2.2nF, X5R , +/-10%	GRM033R61C222KA88	Deviation	Go	Go
C4	1.0pF, NP0, +/-0.1pF	1	1	0	-	1.0x0.5(0402)	0.9pF, NP0, +/-0.1pF	GRM1555C1HR90BA01		Go	Go
					Nordic confirmed		1.0pF, NP0, +/-0.1pF	GRM1555C1H1R0BA01		Go	Go
					-		1.1pF, NP0, +/-0.1pF	GRM1555C1H1R1BA01		Go	Go
					-	0.6x0.3(0201)	0.9pF, NP0, +/-0.1pF	GRM0335C1HR90BA01		Go	Go
					Optional		1.0pF, NP0, +/-0.1pF	GRM0335C1H1R0BA01		Go	Go
					-		1.1pF, NP0, +/-0.1pF	GRM0335C1H1R1BA01		Go	Go
C5	2.2pF, NP0, +/-0.1pF	1	1	0	-	1.0x0.5(0402)	2.1pF, NP0, +/-0.1pF	GRM1555C1H2R1BA01		Go	Go
					Nordic confirmed		2.2pF, NP0, +/-0.1pF	GRM1555C1H2R2BA01		Go	Go
					-		2.3pF, NP0, +/-0.1pF	GRM1555C1H2R3BA01		Go	Go
					-	0.6x0.3(0201)	2.1pF, NP0, +/-0.1pF	GRM0335C1H2R1BA01		Go	Go
					Optional		2.2pF, NP0, +/-0.1pF	GRM0335C1H2R2BA01		Go	Go
					-		2.3pF, NP0, +/-0.1pF	GRM0335C1H2R3BA01		Go	Go
C5 (For QFAC)	3.9pF, NP0, +/-0.1pF	1	1	1	-	1.0x0.5(0402)	3.8pF, NP0, +/-0.1pF	GRM1555C1H3R8BA01		Go	Go
					Nordic confirmed		3.9pF, NP0, +/-0.1pF	GRM1555C1H3R9BA01		Go	Go
					-		4.0pF, NP0, +/-0.1pF	GRM1555C1H4R0BA01		Go	Go
					-	0.6x0.3(0201)	3.8pF, NP0, +/-0.1pF	GRM0335C1H3R8BA01		Go	Go
					Optional		3.9pF, NP0, +/-0.1pF	GRM0335C1H3R9BA01		Go	Go
					-		4.0pF, NP0, +/-0.1pF	GRM0335C1H4R0BA01		Go	Go
C6	1.5pF, NP0, +/-0.1pF	1	1	0	-	1.0x0.5(0402)	1.4pF, NP0, +/-0.1pF	GRM1555C1H1R4BA01		Go	Go
					Nordic confirmed		1.5pF, NP0, +/-0.1pF	GRM1555C1H1R5BA01		Go	Go
					-		1.6pF, NP0, +/-0.1pF	GRM1555C1H1R6BA01		Go	Go
					-	0.6x0.3(0201)	1.4pF, NP0, +/-0.1pF	GRM0335C1H1R4BA01		Go	Go
					Optional		1.5pF, NP0, +/-0.1pF	GRM0335C1H1R5BA01		Go	Go
					-		1.6pF, NP0, +/-0.1pF	GRM0335C1H1R6BA01		Go	Go
C7	100nF	1	0	1	Nordic confirmed	1.0x0.5(0402)	100nF, X7R, +/-10%	GRM155R71H104KE14		Go	Go
	4.7uF, X5R, +/-10%	0	1	-	Optional	0.6x0.3(0201)	100nF, X5R , +/-10%	GRM033R61C104KE14	Deviation	Go	Go
					Nordic confirmed	1.6x0.8(0603)	4.7uF, X5R, +/-10%	GRM188R61A475KE15		Go	Go
					Optional	1.0x0.5(0402)	4.7uF, X5R, +/-20%	GRM155R61A475MEAA	Deviation	Go	Go
C8, C11	100nF, X7R, +/-10%	2	2	2	Nordic confirmed	1.0x0.5(0402)	100nF, X7R, +/-10%	GRM155R71H104KE14		Go	Go
					Optional	0.6x0.3(0201)	100nF, X5R , +/-10%	GRM033R61C104KE14	Deviation	Go	Go
C9	1.0nF, X7R, +/-10%	1	1	1	Nordic confirmed	1.0x0.5(0402)	1.0nF, X7R, +/-10%	GRM155R71H102KA01		Go	Go
					Optional	0.6x0.3(0201)	1.0nF, X7R, +/-10%	GRM033R61H102KA12		Go	Go
C10	47nF, X7R, +/-10%	1	1	1	Nordic confirmed	1.0x0.5(0402)	47nF, X7R, +/-10%	GRM155R71C473KA01		Go	Go
					Optional	0.6x0.3(0201)	47nF, X5R , +/-10%	GRM033R61C473KE84	Deviation	Go	Go
C12	1.0uF, X7R, +/-10%	0	1	0	Nordic confirmed	1.6x0.8(0603)	1.0uF, X7R, +/-10%	GRM188R71A105KA61		Go	Go
					Optional	1.0x0.5(0402)	1.0uF, X5R , +/-20%	GRM033R61A105ME15	Deviation	Go	Go
C13, C14	12pF, NP0, +/-2%	2	2	2	Nordic confirmed	1.0x0.5(0402)	12pF, NP0, +/-2%	GRM1555C1H120GA01		Go	Go
					Optional	0.6x0.3(0201)	12pF, NP0, +/-2%	GRM0335C1H120GA01		Go	Go
L1	4.7nH +/-5%	1	1	0	-	1.0x0.5(0402)	4.3nH +/-0.2nH	LQG15HS4N3C02		Go	Go
					Nordic confirmed		4.7nH +/-0.2nH	LQG15HS4N7C02		Go	Go
					-		5.1nH +/-0.2nH	LQG15HS5N1C02		Go	Go
					-	0.6x0.3(0201)	4.3nH +/-3%	LOP03TN4N3H02		Go	Go
					Optional		4.7nH +/-3%	LOP03TN4N7H02		Go	Go
					-		5.1nH +/-3%	LOP03TN5N1H02		Go	Go
L2	10nH +/-5%	1	1	0	Nordic confirmed	1.0x0.5(0402)	10nH +/-5%	LQG15HS10N0J02		Go	Go
					Optional	0.6x0.3(0201)	10nH +/-5%	LOP03TN10NH02		Go	Go
L2 (For QFAC)	27nH +/-5%	1	1	0	Nordic confirmed	1.0x0.5(0402)	27nH +/-5%	LQG15HS27N0J02		Go	Go
					Optional	0.6x0.3(0201)	27nH +/-3%	LOP03TN27NH02		Go	Go
L3	3.3nH +/-5%	1	1	0	-	1.0x0.5(0402)	3.0nH +/-0.1nH	LQG15HS3N0B02		Go	Go
					Nordic confirmed		3.3nH +/-0.1nH	LQG15HS3N3B02		Go	Go
					-		3.6nH +/-0.1nH	LQG15HS3N6B02		Go	Go
					-	0.6x0.3(0201)	3.2nH +/-0.1nH	LOP03TN3N2B02		Go	Go
					Optional		3.3nH +/-0.1nH	LOP03TN3N3B02		Go	Go
					-		3.4nH +/-0.1nH	LOP03TN3N4B02		Go	Go
L4	10uH 50mA, +/-20%	0	1	0	Optional	1.6x0.8(0603)	10uH 50mA, +/-20%	LQM18FN100M000		Go	Go
L5	15nH +/-10%	0	1	0	Nordic confirmed	1.0x0.5(0402)	15nH +/-5%	LQG15HS15N0J02		Go	Go
					Optional	0.6x0.3(0201)	15nH +/-3%	LOP03TN15NH02		Go	Go
X1	16MHz +/-40ppm	1	1	1	Nordic confirmed	1.6x1.2	32MHz +/-35ppm Cs=6pF	XRCMD32M000FXP54R0		-	Go
					Nordic confirmed	2.0x1.6	32MHz +/-40ppm Cs=6pF	XRCGB32M000F2P10R0		-	Go
BAL	2.4~2.5GHz matching balun	0	0	1	Nordic confirmed	1.6x0.8(0603)	2.4~2.5GHz matching balun (QFN48)	LFB182G45BG4D729		-	-
					Nordic confirmed	1.6x0.8(0603)	2.4~2.5GHz matching balun (WLCSP)	LFB182G45BG7D948		-	-