

# Developer passive starter kit for Nordic IC

Nordic nRF52x32 & nRF51x22 IC has an integrated RF functionality including; Bluetooth® low energy ANT and 2.4GHz ultra low power communication. Our passive starter kit supports the reference design of the Nordic nRF52x32 & nRF51x22 with our range of capacitors, inductor, crystal and balun products .

Our latest kit will provide you with a comprehensive set of components with supporting part information to give everything you need to support your design when implementing the **nRF52x32** or **nRF51x22 IC**.

- Packaged in passive components in collaboration with Nordic for performance maximisation
- Kit with everything you need to support your design
- Optional components for small size application available

## Visit our reference design page

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EKSM-PND51X22A-KIT  
supporting **nRF51x22 series**

<http://go.murata.com/nrf51x22>



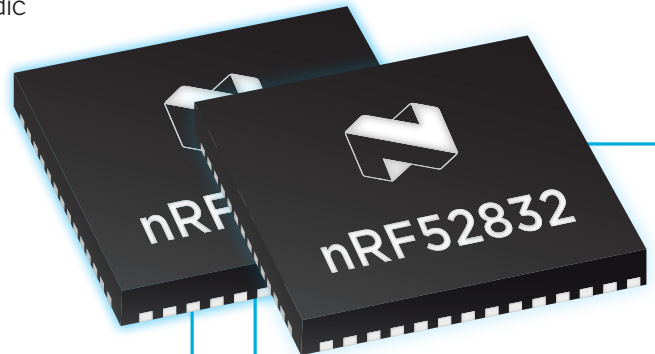
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in collaboration with  
Nordic Semiconductor



# Passive starter kit contents



Designator	Nordic				Murata					
	nRF52x32				Capacitor, Inductor, Timing Device, Balun					
	Description	QFN48 with internal LDO/low vol. mode	QFN48 With DC/	QFN48 With DC/DC and NFC	Status	Size	Description	Parts number	Remark	Kit QTY
C1, C2	12pF, NPO, +/-2%	2	2	2	Nordic confirmed	1.0x0.5(0402)	"(For X1:Murata XRC) 10pF, NPO, +/-2%"	<b>GRM1555C1H100GA01</b>		20
					Optional	0.6x0.3(0201)	"(For X1:Murata XRC) 10pF, NPO, +/-2%"	<b>GRM0335C1H100GA01</b>		20
C3	0.8pF, NPO, +/-5%	1	1	1	Nordic confirmed	1.0x0.5(0402)	0.8pF, NPO, +/-0.05pF	<b>GRM1555C1HR80WA01</b>		10
					Optional	0.6x0.3(0201)	0.8pF, NPO, +/-0.05pF	<b>GRM0335C1HR80WA01</b>		10
C4, C5, C8	100nF, X7R, +/-10%	3	3	3	Nordic confirmed	1.0x0.5(0402)	100nF, X7R, +/-10%	<b>GRM155R71H104KE14</b>		30
					Optional	0.6x0.3(0201)	100nF, X5R, +/-10%	<b>GRM033R61C104KE14</b>	Deviation	30
C6	N.C	N.C	N.C	N.C	-	-	-	-		-
C7	100pF, NPO, +/-5%	1	1	1	Nordic confirmed	1.0x0.5(0402)	100pF, NPO, +/-5%	<b>GRM1555C1H101JA01</b>		10
					Optional	0.6x0.3(0201)	100pF, NPO, +/-5%	<b>GRM0335C1H101JA01</b>		10
C9	4.7uF, X5R, +/-10%	1	1	1	Nordic confirmed	1.6x0.8(0603)	4.7uF, X5R, +/-10%	<b>GRM188R61A475KE15</b>		10
					Optional	1.0x0.5(0402)	4.7uF, X5R, +/-20%	<b>GRM155R61A475MEAA</b>	Deviation	10
C10	1.0uF, X7R, +/-10%	1	1	1	Nordic confirmed	1.6x0.8(0603)	1.0uF, X7R, +/-10%	<b>GRM188R71A105KA61</b>		10
					Optional	0.6x0.3(0201)	1.0uF, X5R, +/-20%	<b>GRM033R61A105ME15</b>	Deviation	10
C11, C12	12pF, NPO, +/-2%	2	2	2	Nordic confirmed	1.0x0.5(0402)	12pF, NPO, +/-2%	<b>GRM1555C1H120GA01</b>		20
					Optional	0.6x0.3(0201)	12pF, NPO, +/-2%	<b>GRM0335C1H120GA01</b>		20
Ctune1, tune2	TBD pF +/-5%	2	2	2	-	-	-	-		-
L1	3.9nH +/-5%	1	1	1	Nordic confirmed	1.0x0.5(0402)	4.7nH +/-5%	<b>LQG15HS4N7C02</b>		10
L2	10uH 50mA, +/-20%	0	1	1	Optional	1.6x0.8(0603)	10uH 50mA, +/-20%	<b>LQM18FN100M00</b>		10
L3	15nH +/-10%	0	1	1	Nordic confirmed	1.0x0.5(0402)	15nH +/-5%	<b>LQG15HS15NJ02</b>		10
X1	32MHz +/-40ppm	1	1	1	Nordic confirmed	1.6x1.2	32MHz +/-35ppm, Cs=6pF	<b>XRCMD32M000FX-P54R0</b>		10
					Nordic confirmed	2.0x1.6	32MHz +/-40ppm, Cs=6pF	<b>XRCGB32M000F2P10R0</b>		10
BAL	2.4-2.5GHz matching balun	0	0	1	Nordic confirmed	1.6x0.8(0603)	2.4-2.5GHz matching balun (QFN48)	<b>LFLQ2G45TR2E268</b>		10

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Authorized Distributor

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