

DevBoard nRF54L15.PrjPcb

DevBoard_nRF54L15.SchDoc

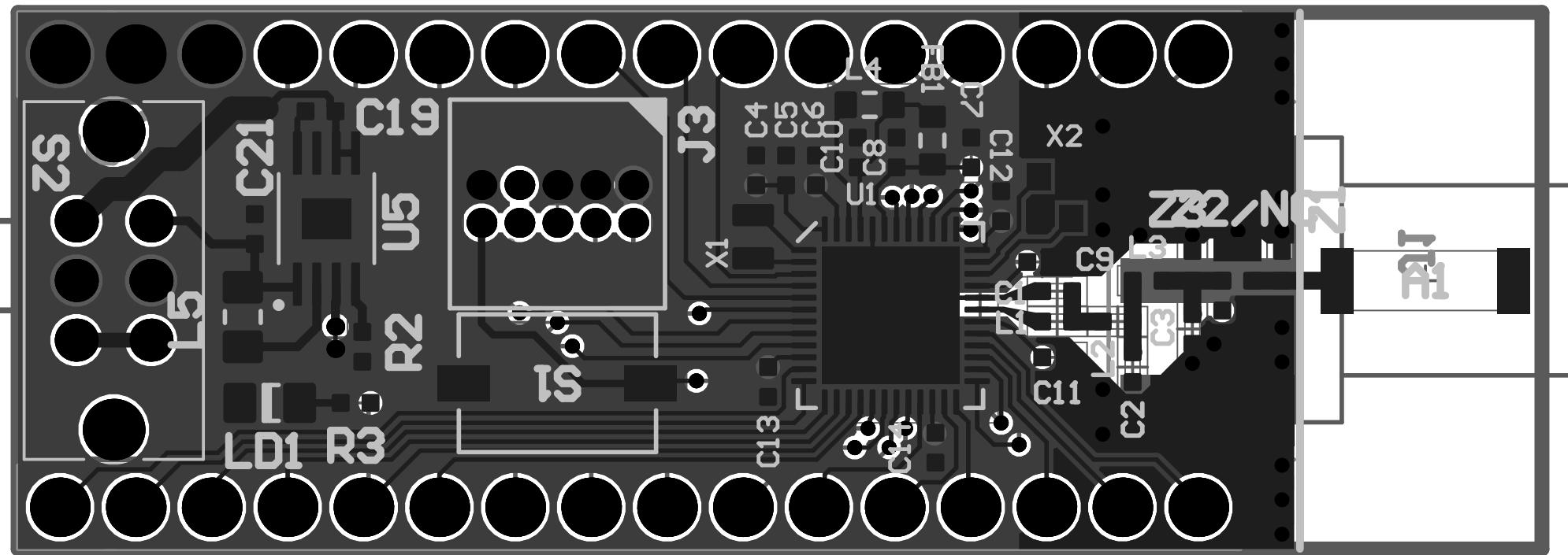
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Revision : 1.0 Sheet 1 of 1 Design by : name

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Name	Description	Designator	Quantity	Footprint	Target Price	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
2450AT43F0100	ANTENNA Ceramic Jbhanson 2450AT42A100	A1	1	ANTENNA Ceramic Jbhanson 2450AT43F0100	0							
1.5pF	Capacitor	C1	1	CAPACITOR 1005 REFLOW	0							
2pF	Capacitor	C2	1	CAPACITOR 1005 REFLOW	0							
NC	Capacitor	C3	1	CAPACITOR 1005 REFLOW	0							
10uF	Capacitor	C4, C5	2	CAPACITOR 1005 REFLOW	0							
100nF	Capacitor	C6, C12, C13, C14	4	CAPACITOR 1005 REFLOW	0							
2.2uF	Capacitor	C7, C10	2	CAPACITOR 1005 REFLOW	0							
10nF	Capacitor	C8, C9	2	CAPACITOR 1005 REFLOW	0							
3.9pF	Capacitor	C11	1	CAPACITOR 1005 REFLOW	0							
CC0402MRX5R6BB475	Capacitor	C19	1	CAPACITOR 1005 REFLOW	0	Yageo Group	CC0402MRX5R6BB475	Volume Production	Mouser	603-CC402MRX5R6BB475	0,1	0,1
GRM155R61A106ME11D	Capacitor	C21	1	CAPACITOR 1005 REFLOW	0	Murata	GRM155R61A106ME11D	Volume Production	Mouser	81-GRM155R61A106ME11D	0,1	0,1
120Ohms@100MHz	Ferrite Bead	FB1	1	FERRITE BEAD 1608 REFLOW	0	Murata	BLM03AG121SN1D	Volume Production	Mouser	81-BLM03AG121SN1D	0,1	0,1
732511150	SMA EDGE Molex 732511150	J1	1	SMA EDGE Molex 732511150	0	Molex	73251-1150	Volume Production	DigiKey	WM534-ND	5,7	5,7
BD120-10-A-0305-0229-L-B	FlatCable2x5	J8	1	FlatCable2x5 1.27MM Straight TH Mini	0	Global Connector Technology	BD120-10-A-0305-0229-L-B	Unknown	Mouser	640-BD12010A305229LB	1,32	1,32
TSW-116-07-F-S	Plug connector	J4, J5	2	PinHeader1x16 P2.54	0	Samtec	TSW-116-07-F-S	Volume Production	Mouser	200-TSW11607FS	1,26	2,52
2.7nH	Inductor	L1	1	INDUCTOR 1005 REFLOW	0	Murata	LQP03HQ2N7B02D	Volume Production	Mouser	81-LQP03HQ2N7B02D	0,12	0,12
3.5nH	Inductor	L2, L3	2	INDUCTOR 1005 REFLOW	0	Murata	LOW15AN3N5B8ZD	Volume Production	Mouser	81-LQW15AN3N5B8ZD	0,16	0,32
4.7uH	Inductor	L4	1	INDUCTOR 1608 REFLOW	0	TDK	MLZ1608M4R7WT000	Volume Production	Mouser	810-MLZ1608M4R7WT000	0,1	0,1
DFE201612E-2R2M-P2	Inductor	L5	1	INDUCTOR 2012 REFLOW	0	Murata	DFE201612E-2R2M-P2	Volume Production	Mouser	81-DFE201612E-2R2MP2	0,24	0,24
LED generic	LED	LD1	1	LED 2012 REFLOW	0							
NC/0R	Resistor	R1	1	RESISTOR 1005 REFLOW	0							
52.3k	Resistor	R2	1	RESISTOR 1005 REFLOW	0							
1k	Resistor	R3	1	RESISTOR 1005 REFLOW	0							
434781025816	Push Button, 2 pins	S1	1	Push Button C6.2x4.1 WE434781025816	0	Wurth Elektronik	434781025816	Unknown	Mouser	710-434781025816	1,2	1,2
EG2208A	Slide Switch 2Poles ON-ON	S2	1	EG2208A	0	E-Switch	EG2208A	Volume Production	Mouser	612-EG2208A	0,92	0,92
nRF54L15-QFAA	Multi-protocol Bluetooth Low Energy, IEEE 802.15.4, ANT and 2.4GHz proprietary system-on-chip	U1	1	QFN48 P0.4 T4.6x4.6 C6.0x6.0 H0.9	0	Nordic Semiconductor	NRF54L15-QFAA-R	Unknown	Farnell	4544025	1,96	1,96
TPS62842DGRR	1.8-Vto6.5-V, Step-Down Converter	U5	1	SSOP8 P0.65 T1.3x1.6 C4.9x3.0 H1.1	0	Texas Instruments	TPS62842DGRR	Volume Production	Mouser	595-TPS62842DGRR	2,08	2,08
ABS06-32.768kHz-9-T	Crystal C2.0x1.2 Abracon ABS06	X1	1	Crystal C2.0x1.2 Abracon ABS06	0	Abracon	ABS06-32.768kHz-9-T	Volume Production	Mouser	815-ABS06-32.7kHz-9-T	0,76	0,76
ECS-320-8-37B-7KM-TR3	XTAL SMD 2016, 32MHz, Cl=8pF, Tol: ±7ppm, Stab: ±10ppm	X2	1	Crystal C2.0x1.6 Kyocera CX2016DB	0	ECS International	ECS-320-8-37B-7KM-TR3	Unknown	Mouser	520-ECS320837B7KMTR3	0,39	0,39
NC	Matching pad	Z1	1	Matching pad 1005	0							
0.7pF	Antenna matching pad with ground	Z2/NC	1	Matching pad 1005 with Ground	0							
0.5pF/0.3pF	Matching pad	Z3	1	Matching pad 1005	0							