
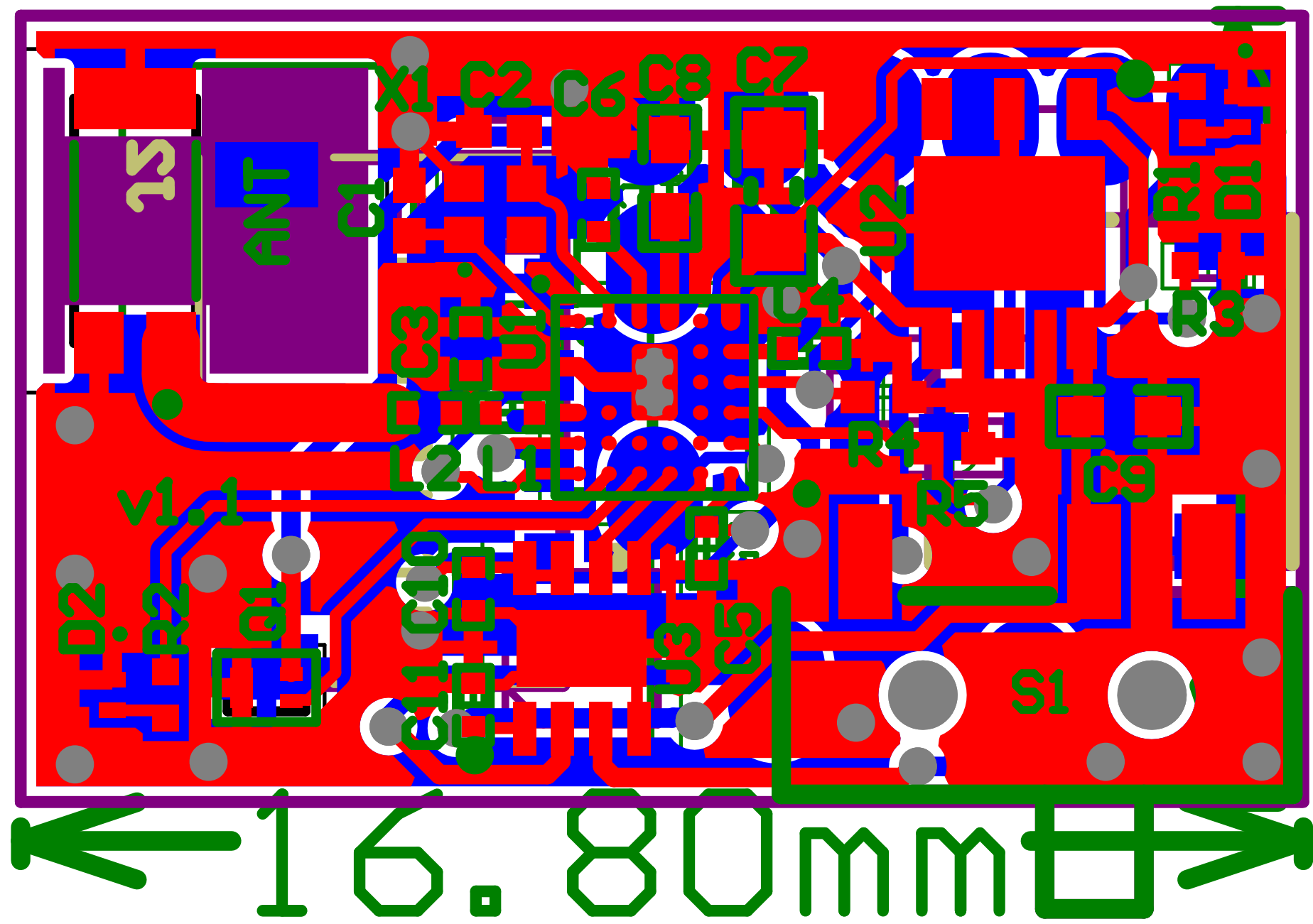


Title nRF52811-CAAA Reference Layout (2-Layers)			
Size A4	Project Number	Revision 1.0	
Date: 4/6/2020		Sheet 1 of 1	
File: exoNail_v1.SchDoc		Drawn By: RUBR	



Comment	Description	Designator	Footprint	LibRef	Quantity
W3008	2.4GHz Bluetooth Chip RF Antenna 2.4GHz ~ 2.483GHz 1.7dBi Solder Surface Mount	ANT	*ANTENNA_W3008W 3008(Primary)	W3008	1
16pF	Capacitor	C1, C2	CAPC0603X33N	GRM0335C1H160JA01 D	2
1.2pF	Capacitor, NP0, ±5%	C3	CAPC0603X03L_C	C0201-1.2p	1
100nF	Capacitor, X5R, ±10%	C4, C5, C10, C11	CAPC0603X03L_C	C0201-100n, [NoValue]	4
100pF	Capacitor, NP0, ±2%	C6	CAPC0603X03L_C	C0201-100p	1
4.7μF	Capacitor, X5R, ±10%	C7	CAPC1608X06L	C0603-4μ7	1
1.0μF	Capacitor, X5R, ±5%	C8, C9	CAPC1005X04L	C0402-1μ0	2
APG0603VGC-TT- 5MAV	Green 527nm LED Indication - Discrete 3V 2-SMD, 0201	D1	LED_APG0603SEC-E- TT	APG0603SEC-E-TT	1
APG0603SURC-TT	Red 631nm LED Indication - Discrete 1.92V 2-SMD, 0201	D2	LED_APG0603SEC-E- TT	APG0603SEC-E-TT	1
DF58-2P-1.2V_21_	Connector	J1	DF58-2P-1.2V(21)	DF58-2P-1.2V_21_	1
DF58-4P-1.2V_21_	Connector	J2	DF584P12V21	DF58-4P-1.2V_21_	1
2.2nH	High frequency chip inductor ±5%	L1	INDC0603X03L_C	L0201-2n2	1
3.3nH	High frequency chip inductor ±5%	L2	INDC0603X03L_C	L0201-3n3	1
SSM3K15ACTC	N-Channel MOSFET - SSM3K15ACTC	Q1	*DFN985X585X50-3N	MOSFET-N	1
60R 1% 0201(0603)	1R 0.05W 1% 0201 (0603 Metric) SMD	R1	RESC0201(0603)_L	CMP-1010-00171-1	1
137R 1% 0201(0603)	1R 0.05W 1% 0201 (0603 Metric) SMD	R2	RESC0201(0603)_L	CMP-1010-00171-1	1
210R 1% 0201(0603)	210R 0.05W 1% 0201 (0603 Metric) SMD	R3	RESC0201(0603)_L	CMP-1010-00171-1	1
10kR	Resistor	R4, R5	RESC0603X26N	RC0201FR-07100KL	2
SSSS810701	Switch	S1	SSSS810701	SSSS810701	1
nRF52811-CAAA	Multi-protocol Bluetooth Low Energy, IEEE 802.15.4, ANT and 2.4GHz proprietary system- on-chip	U1	BGA33C40P6X6_247X 246X50	nRF52811-CAAAA0	1
LD39050PU33R	Power Supply	U2	SON95P300X300X100- 7N-D	LD39050PU33R	1
DRV8837DSGT	Integrated Circuit	U3	SON50P200X200X80- 9N	DRV8837DSGT	1
ECS-320-10-48-CKY- TR	Crystal or Oscillator	X1	ECS240848CKYTR	ECS-320-10-48-CKY- TR	1