
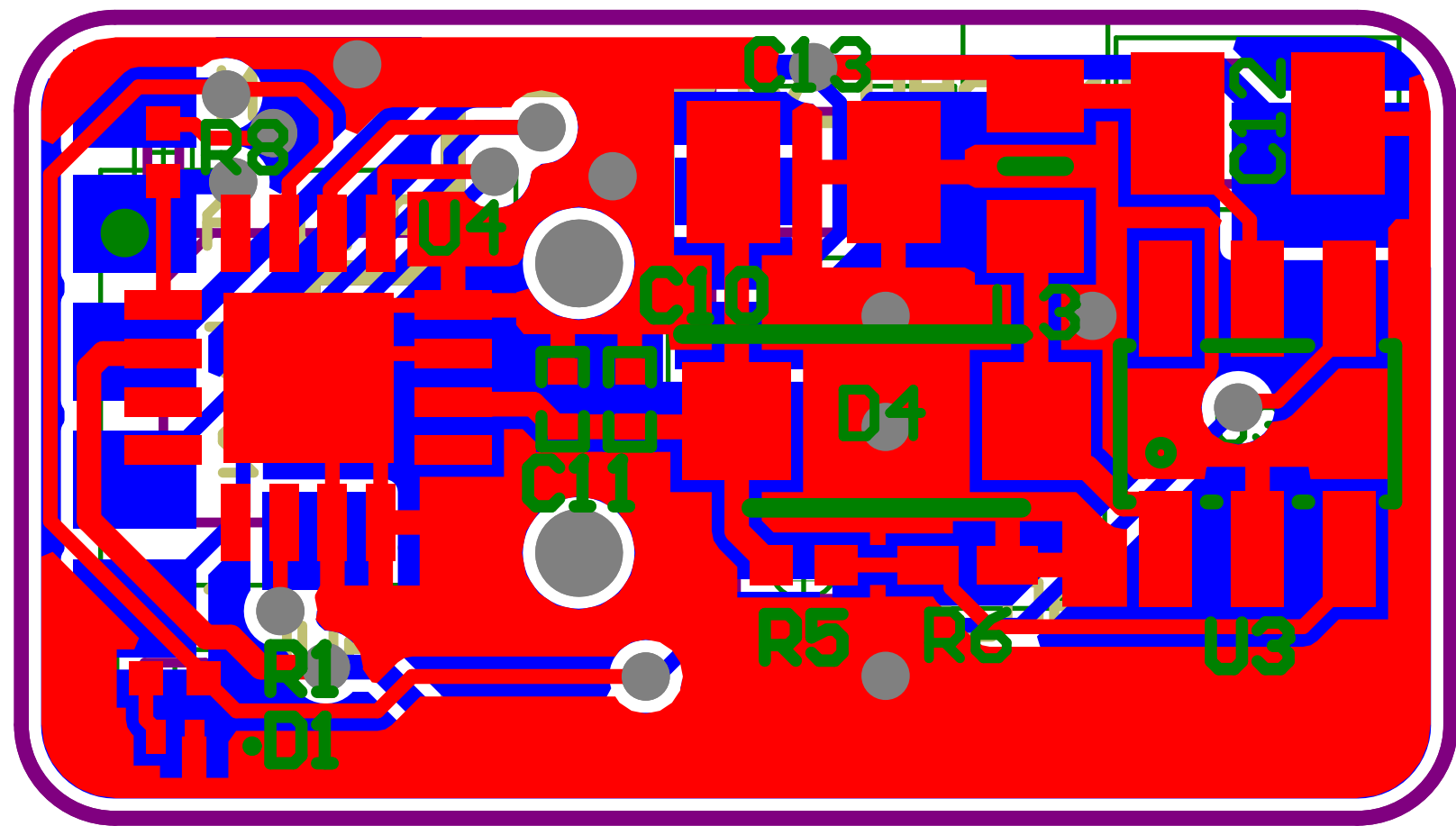
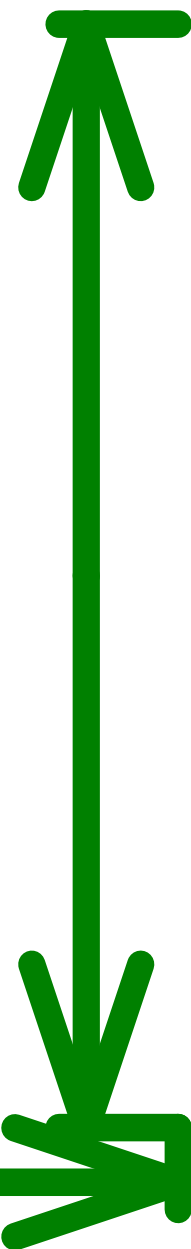


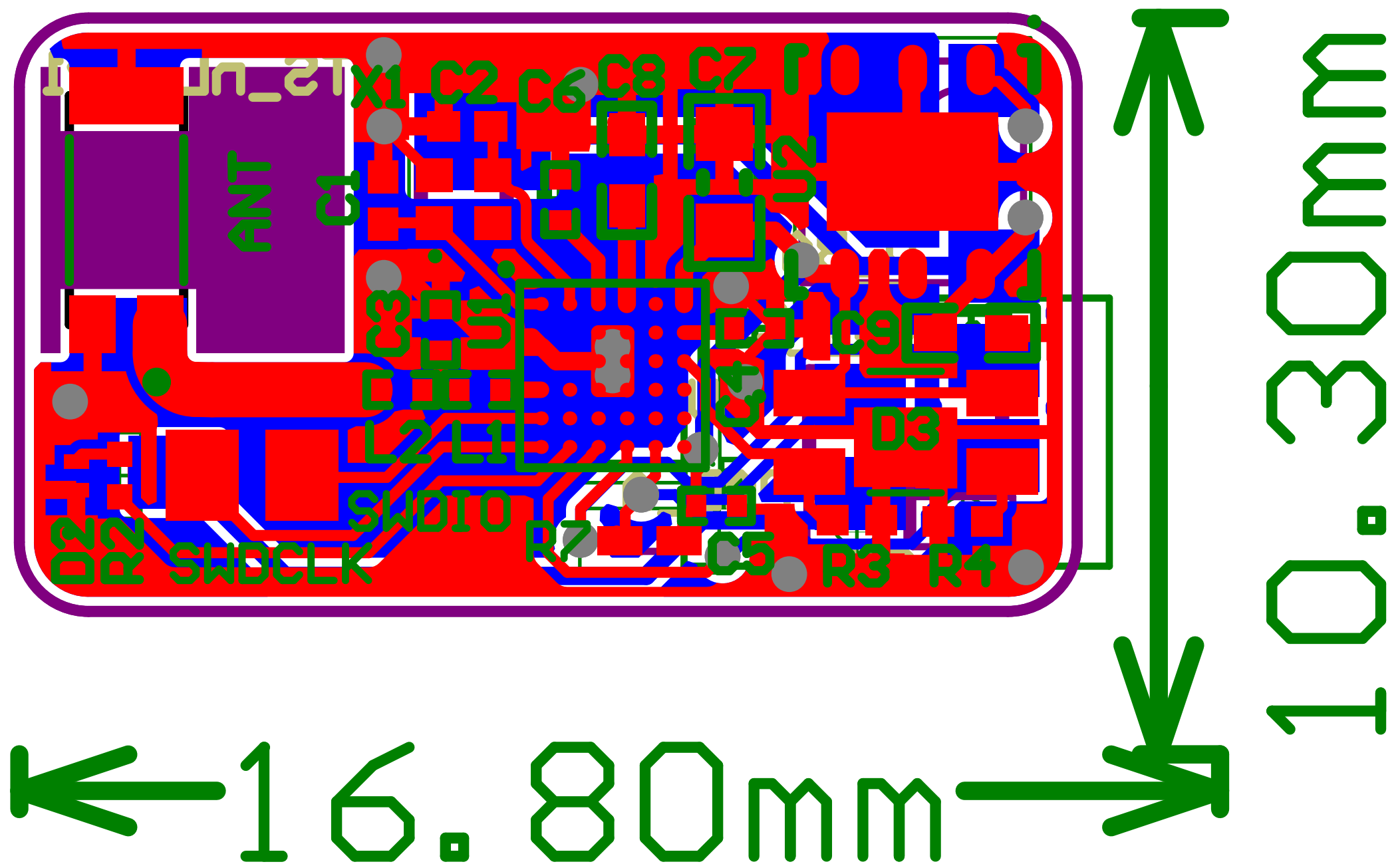
Title nRF52811-CAAA Reference Layout (2-Layers)			
Size A4	Project Number	Revision 1.0	
Date: 4/5/2020			Sheet 1 of 1
File: ETS_v8-nordic-split.SchDoc			Drawn By: RUBR

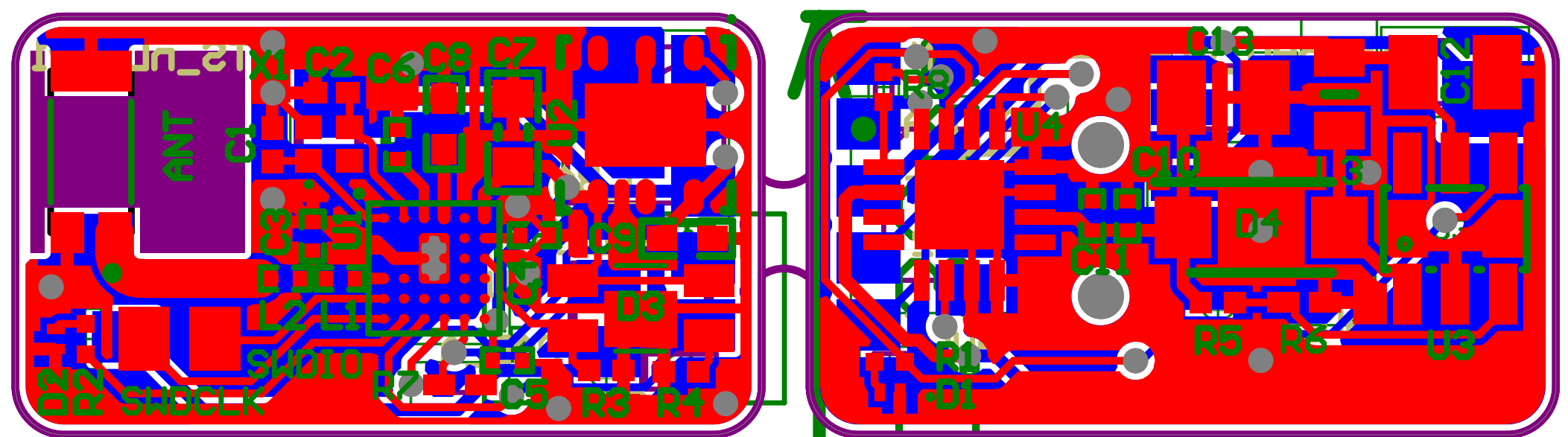


← 16.80mm →



10.30mm





← 16.80mm — * — 16.80mm —

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(PPrimary)	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%, Capacitor	C4, C5, C10, C11	CAPC0603X03L_C	C0201-100n, [NoValue], GRM188R61C106KAAL D	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
22uF	Capacitor	C12, C13	CAPC2012X145N	GRM21BR61E226ME4 4K	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
GP2S60A	LED	D3	GP2S60B	GP2S60B	1
SS34FA	Schottky Diode	D4	SODFL3618X143N	SS34FA	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
LQM18PH4R7MFRL	Inductor	L3	LQW18CA32NJ00D	LQM18PH4R7MFRL	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)	Resistor	R3	RESC0603X26N	RC0201FR-0710KL	1
324R 1% 0201(0603)	Resistor	R4	RESC0603X26N	RC0201FR-07390RL	1
10kR	Resistor	R5	RESC0603X26N	RC0201FR-07100KL	1
4.7kR	Resistor	R6	RESC0603X28N	CRCW02014K70FKED	1
1kR	Resistor	R7	RESC0603X28N	CRCW02011K00FNED	1
120mR 1% 0201(0603)	1R 0.05W 1% 0201 (0603 Metric) SMD	R8	RESC0201(0603)_L	CMP-1010-00171-1	1
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	500 mA Low Quiescent Current Low Noise Voltage Regulator, 3.3V, 6-Pin VDFDPN, Tape and Reel	U2	DFN6D_L	CMP-0244-00288-1	1
	High Efficiency 1.2MHz 2A Step Up Converter	U3	*SOT23-6	MT3608	1
DRV8847RTER	Integrated Circuit	U4	QFN50P300X300X80- 17N-D	DRV8847RTER	1
ECS-320-10-48-CKY- TR	Crystal or Oscillator	X1	ECS240848CKYTR	ECS-320-10-48-CKY- TR	1