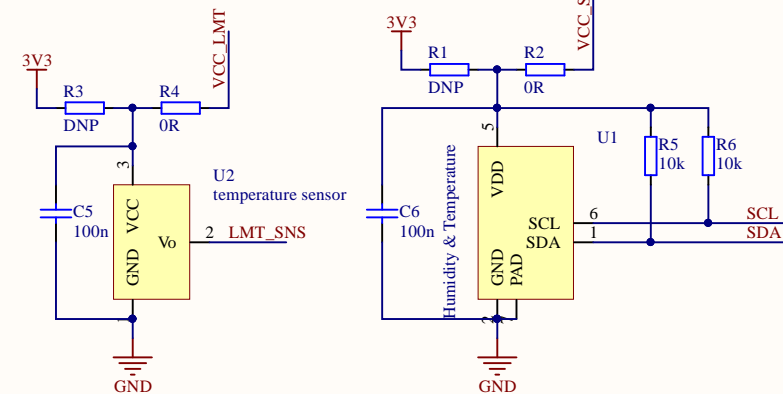
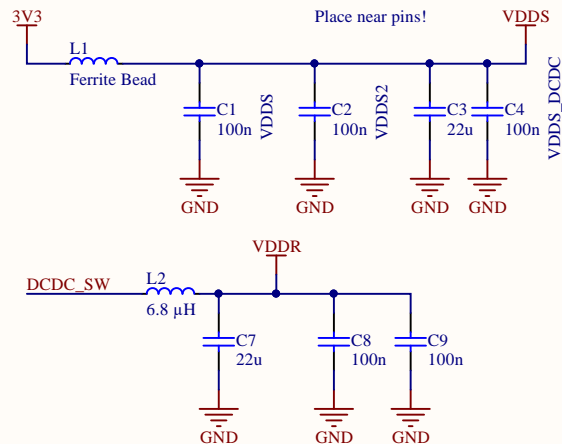
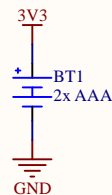
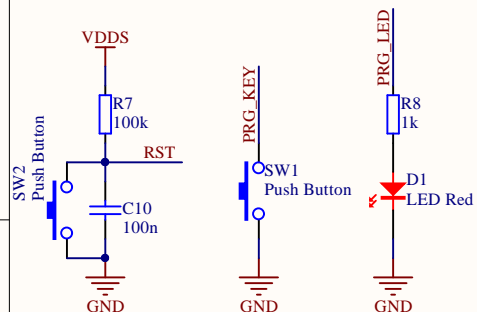


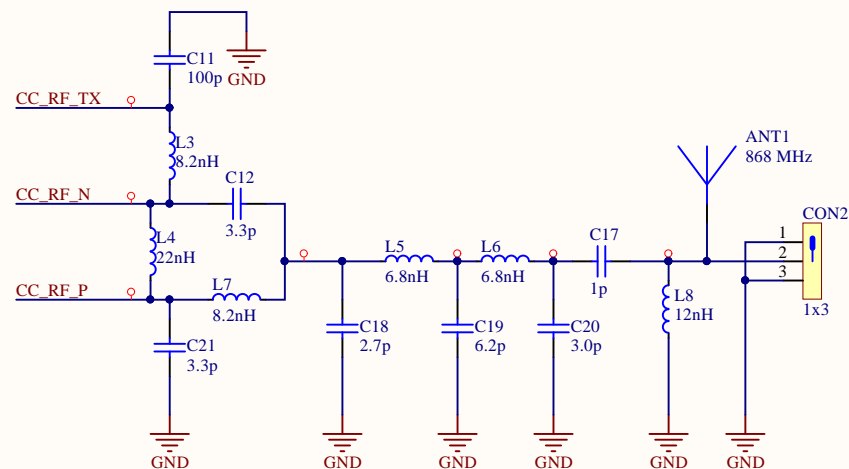
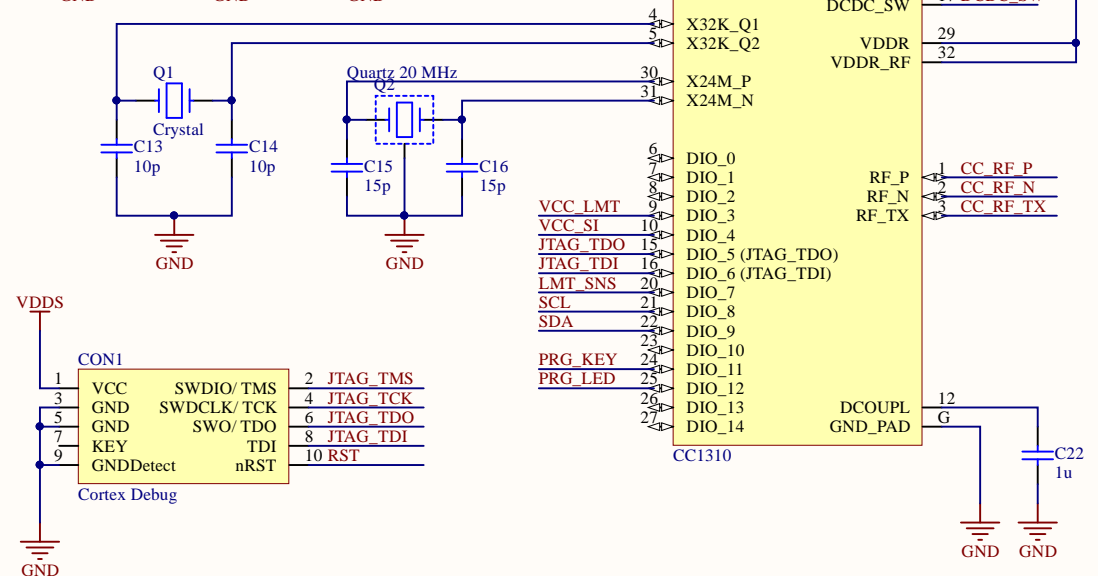
A



B



C



D

Project: temperatureSensor.PrjPcb

Name: temperatureSensor.SchDoc

Sheet 1 of 1

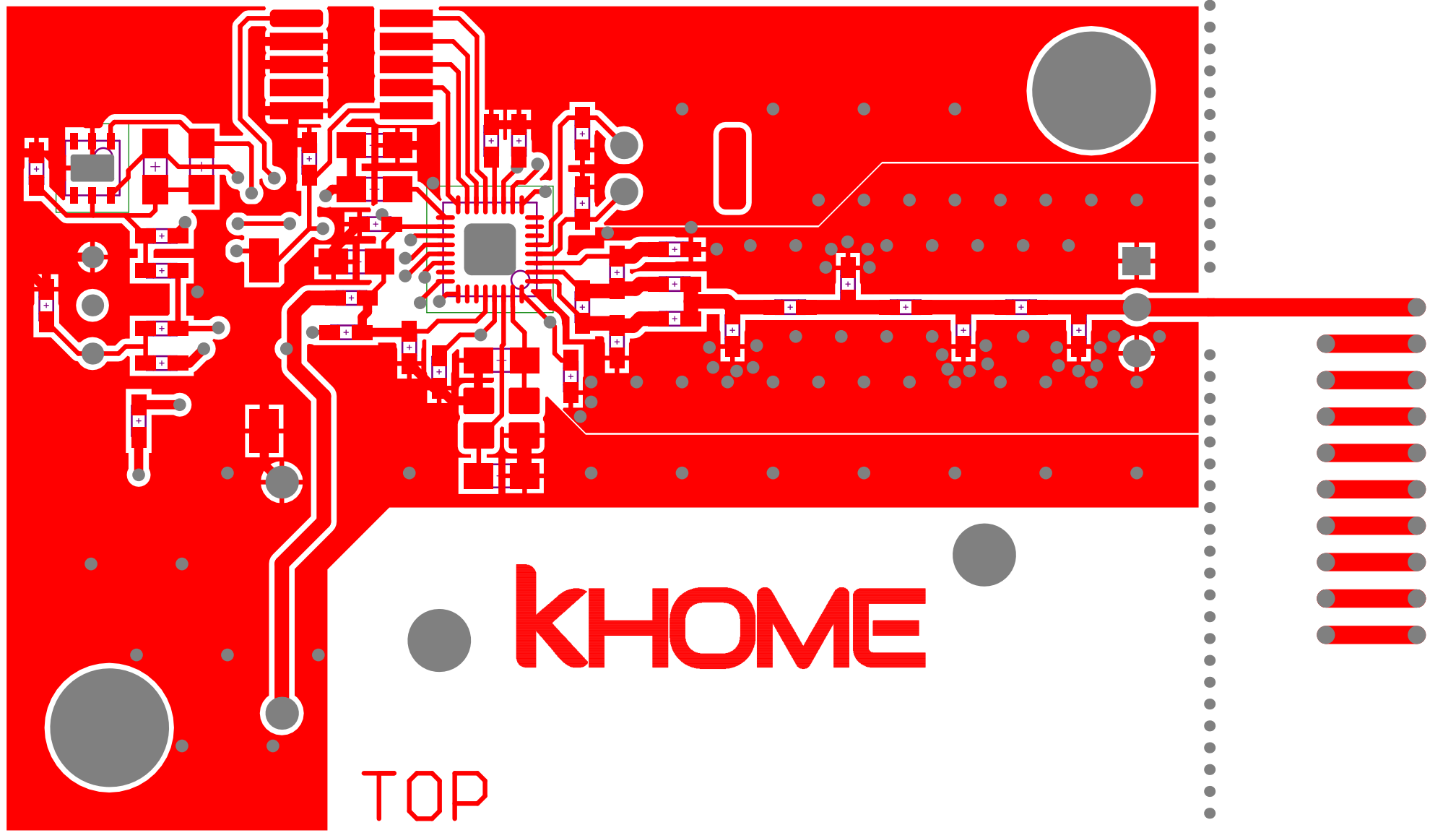
Drawn by: PKAP

Date: 07.04.2017

Time: 17:36:19

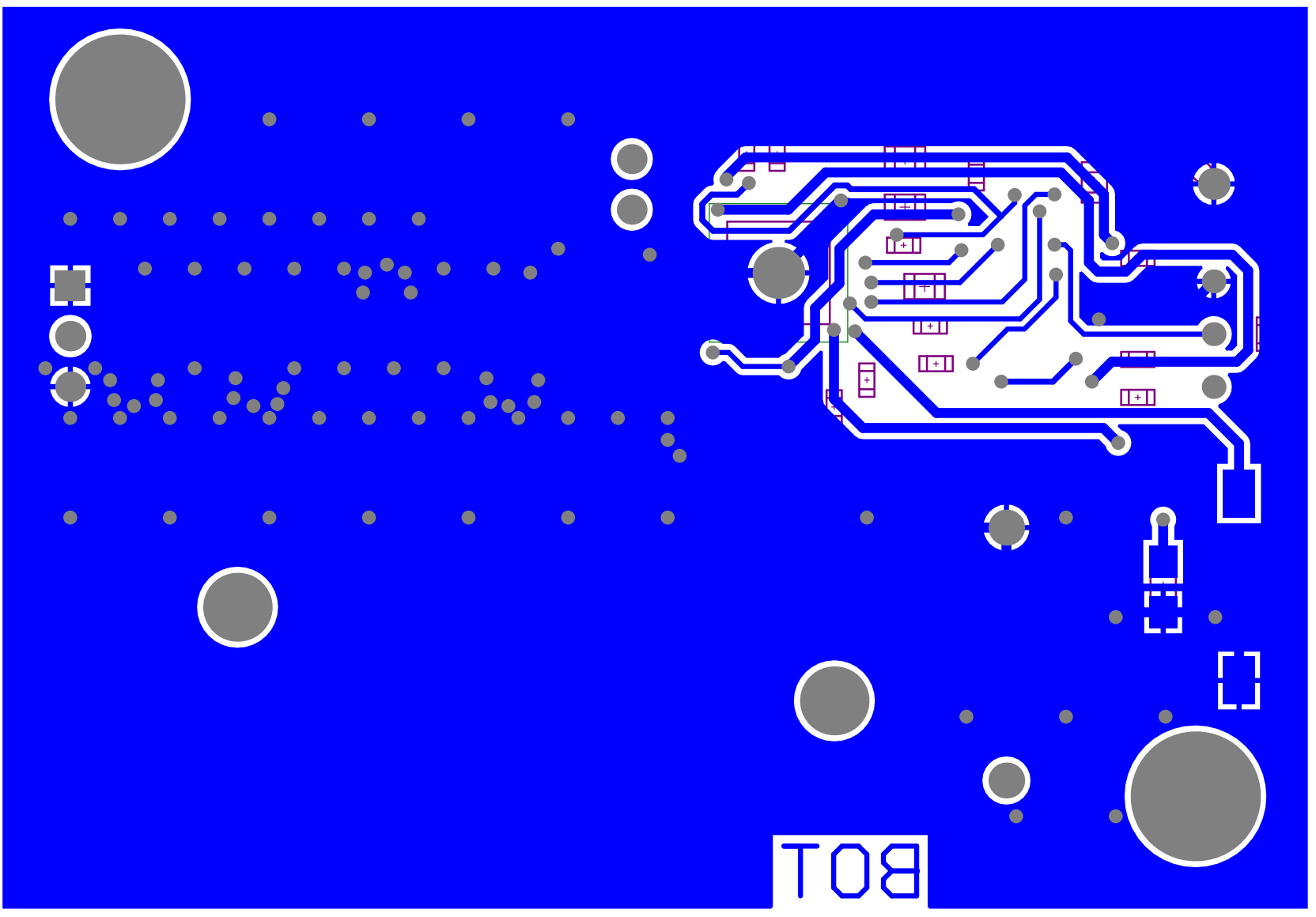
Revision: Not in version control

kappelt

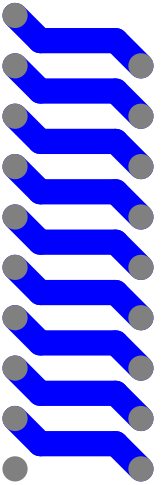


KHOME

TOP



BOT





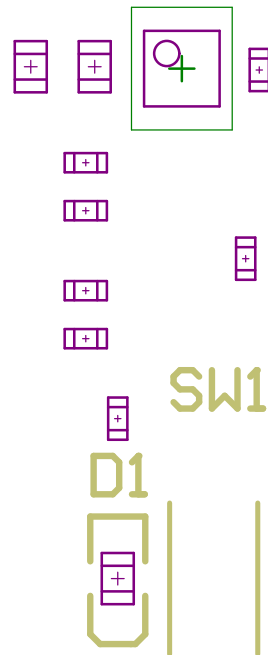
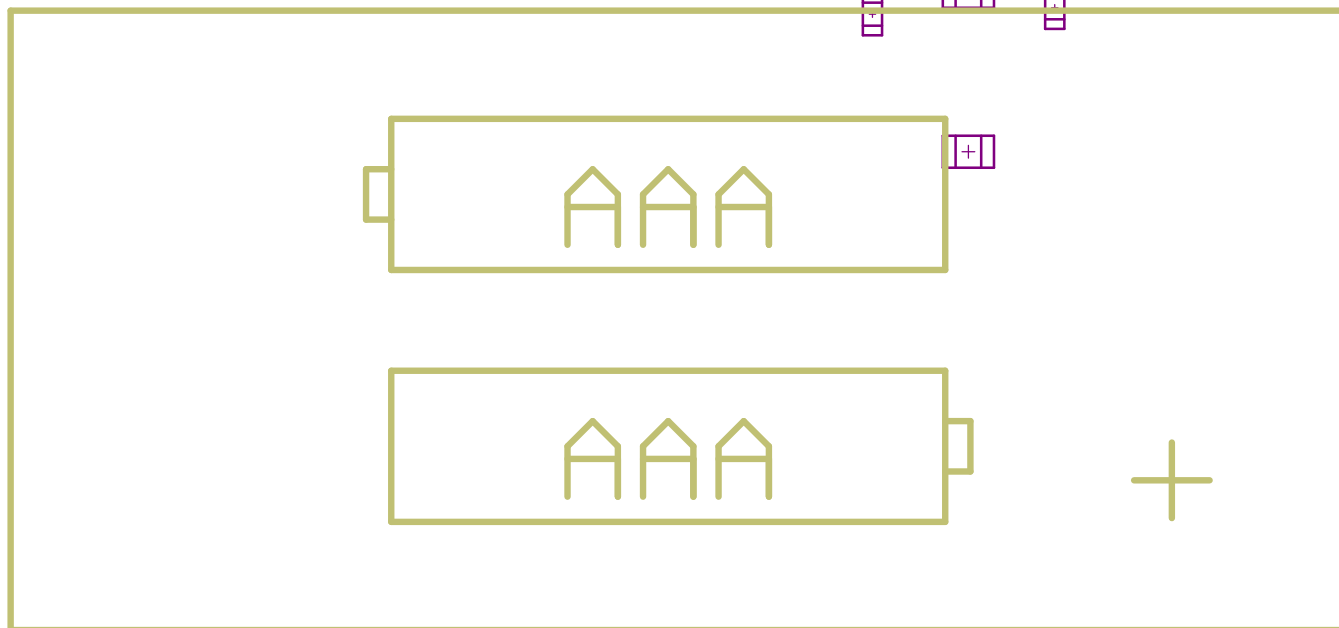
V1

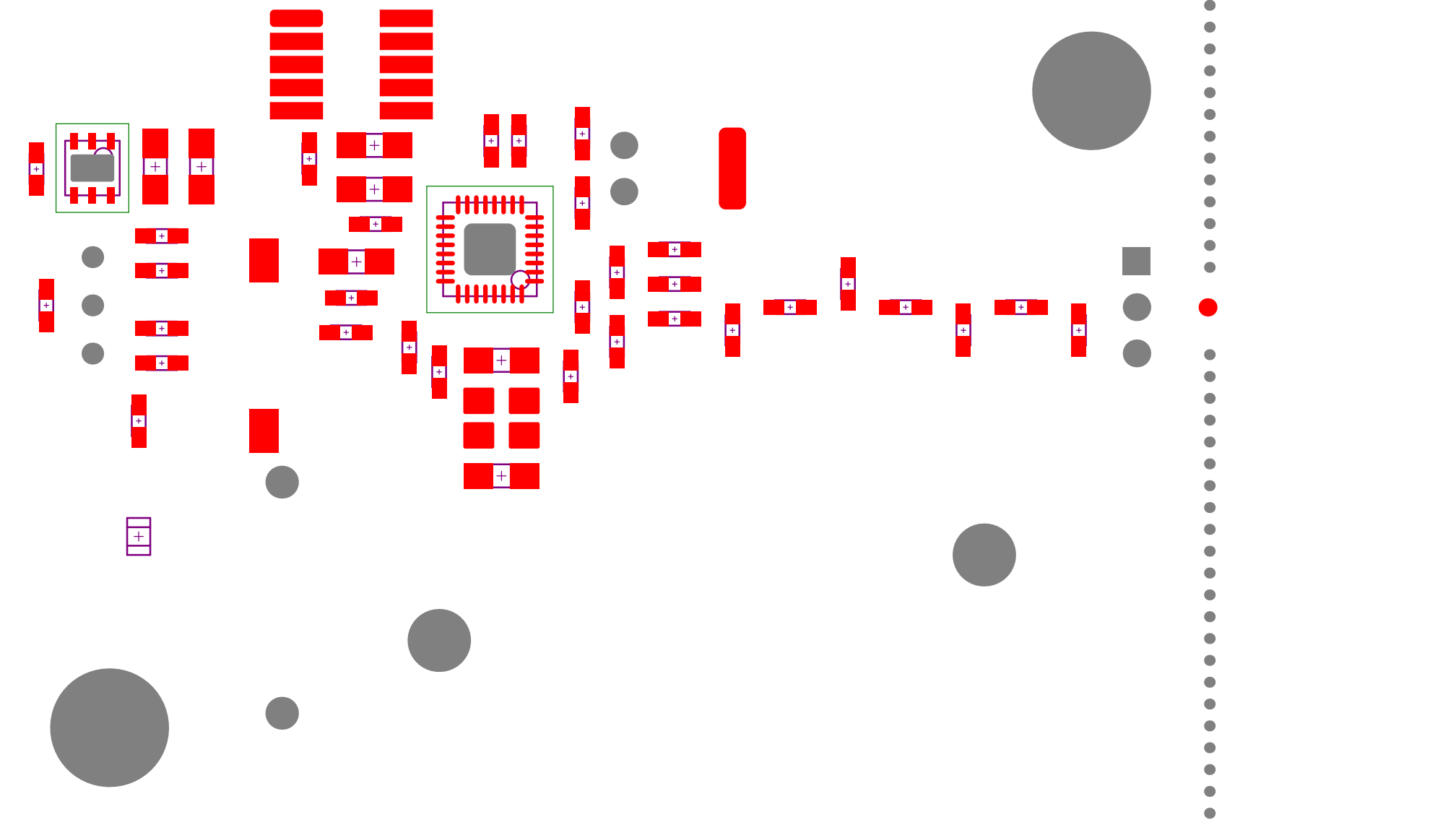
KHOME

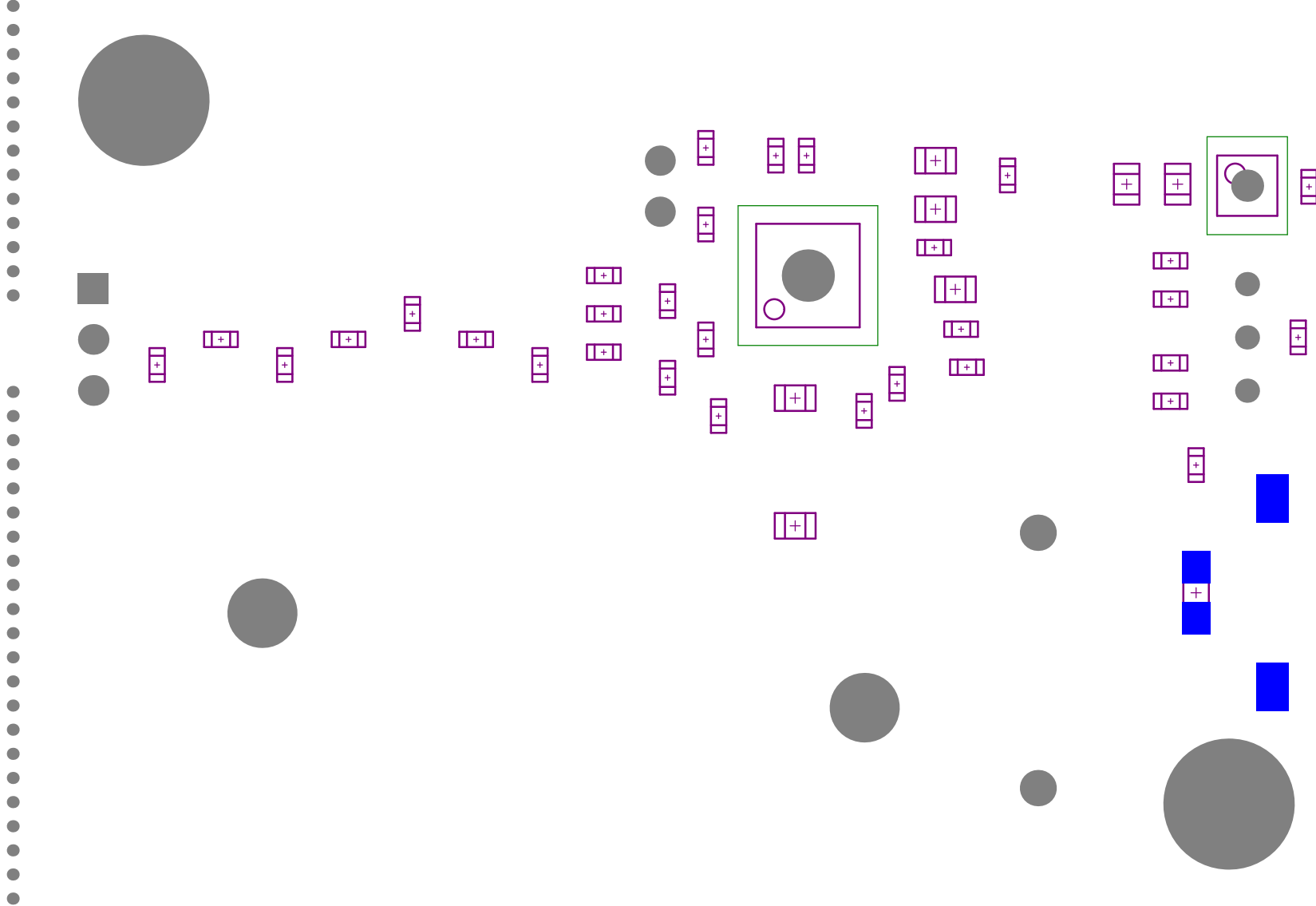
temperatureSensor

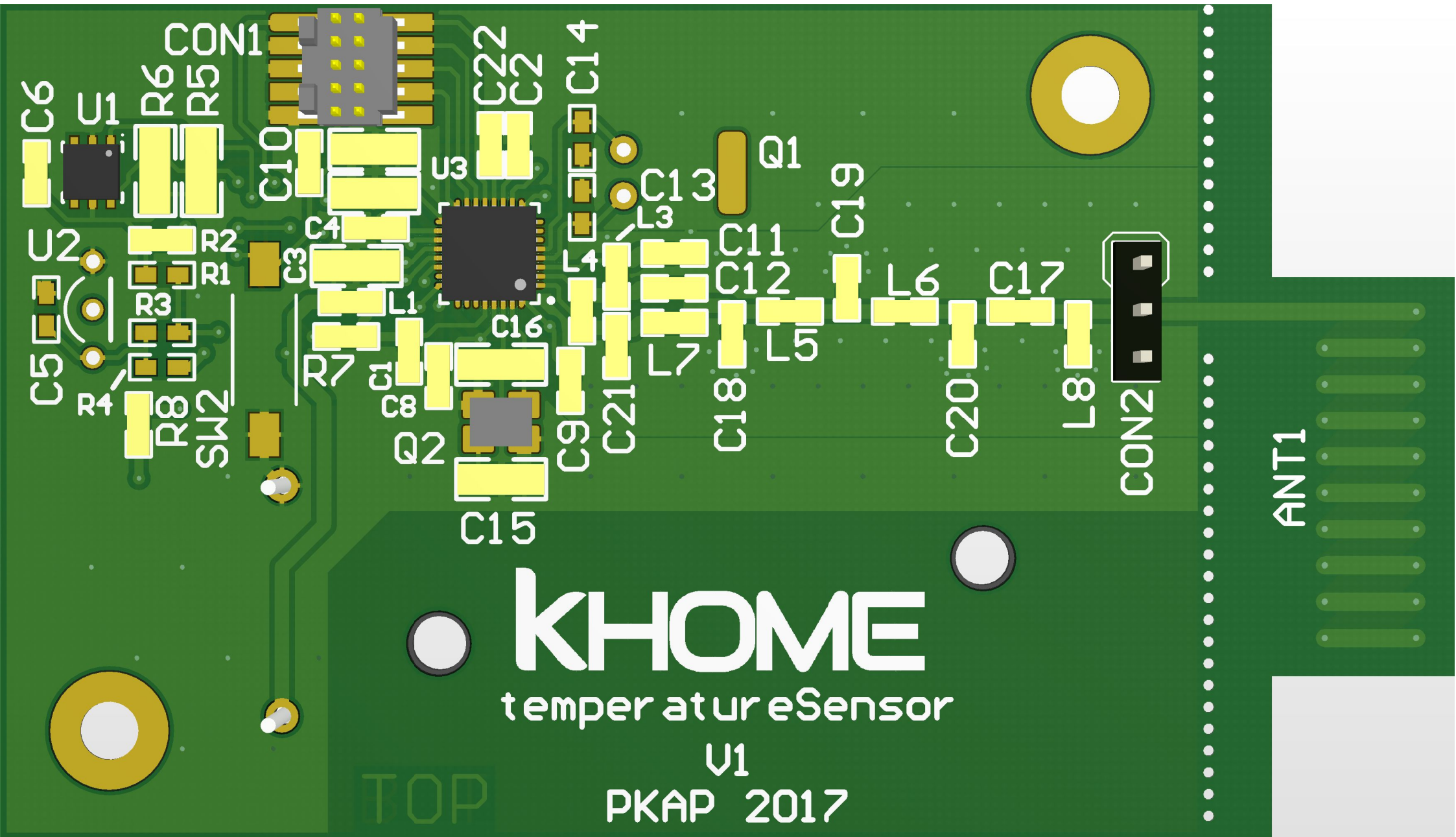
BT1

V1





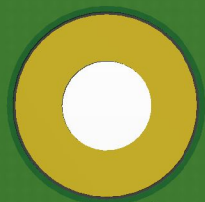




KHOME
temperatur eSensor
V1
PKAP 2017

TOP

ANT1



KHOME

temper atur eSensor



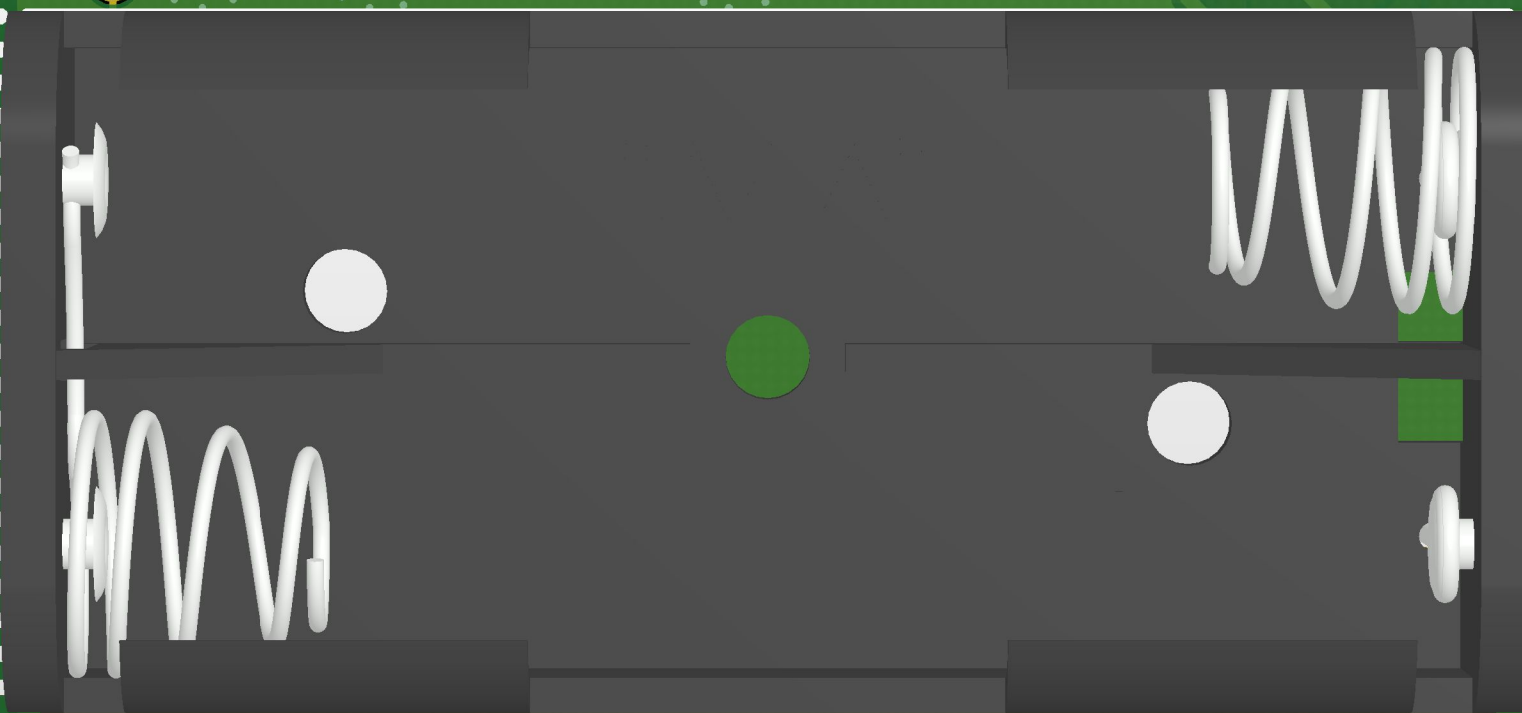
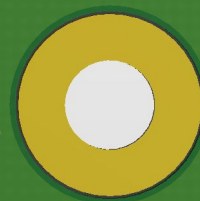
BT1

V1



SW1

D1



Fitted	Designator	Comment	Description	Footprint	Quantity	LibRef	MID	PID
Fitted	BT1	2x AAA	Double AAA Battery Holder	Keystone-2468	1	Battery-AAA-Double	Keystone	2468
Fitted	C1, C2, C4, C6, C8, C9, C10	100n	100n 50V 0603	0603_N	7	100n_50V_0603	std	std
Fitted	C3, C7	22u	22u 25V 0805	0805_N	2	22u_25V_0805	std	std
Fitted	C11	100p	100p 50V 0603	0603_N	1	100p_50V_0603	std	std
Fitted	C12, C21	3.3p	3p3 50V 0603	0603_N	2	3p3_50V_0603	std	std
Fitted	C15, C16	15p	15p 50V 0805	0805_N	2	10p_50V_0805		
Fitted	C17	1p	1p 50V 0603	0603_N	1	100p_50V_0603	std	std
Fitted	C18	2.7p	2p7 50V 0603	0603_N	1	3p3_50V_0603	std	
Fitted	C19	6.2p	6p2 50V 0603	0603_N	1	3p3_50V_0603	std	
Fitted	C20	3.0p	3p 50V 0603	0603_N	1	3p3_50V_0603	std	
Fitted	C22	1u	1u 50V 0603	0603_N	1	1u_50V_0603	std	std
Fitted	CON1	Cortex Debug	Cortex Debug	cortex-dbg	1	Cortex-DBG	Samtec	FTSH-105-01-L-DV-K
Fitted	CON2	1x3	Male Connector 1x3	Header_254_1x3_male	1	Header_1x03_male	std	std
Fitted	D1	LED Red	Standard LED Red 0805	0805_LED	1	LED-STD-RED-0805	std	std
Fitted	L1	Ferrite Bead	Ferrite Bead	0603_N	1	Inductor_General_Purpose_0603	Murata	BLM18HE152SN1D
Fitted	L2	6.8 µH	Chip Inductor 0805	0805_N	1	Inductor_General_Purpose_0603	TDK	MLZ2012N6R8LT00
Fitted	L3, L7	8.2nH	8.2nH Inductor	0603_N	2	Inductor_General_Purpose_0603	Murata	LOG15HS8N2J02D
Fitted	L4	22nH	22nH Inductor	0603_N	1	Inductor_General_Purpose_0603	Murata	LOG15HS22NJ02D
Fitted	L5, L6	6.8nH	6.8H Inductor	0603_N	2	Inductor_General_Purpose_0603	Murata	LOG15HS6N8J02D
Fitted	L8	12nH	Inductor for PCB Antenna compensation	0603_N	1	Inductor_General_Purpose_0603	TBD	TBD
Fitted	Q2	Quartz 20 MHz	Standard 3.2 x 2.5mm SMD crystal in a ceramic package with a seam sealed metal lid, hermetically sealed.	LFXTAL058124	1	LFXTAL058124	IQD Frequency Products	LFXTAL058124
Fitted	R2	0R	0R 100mW 0603	0603_N	1	0R_100mW_0603	std	std
Fitted	R5, R6	10k	10k 125mW 0805	0805_N	2	10k_125mW_0805	std	std
Fitted	R7	100k	100k 100mW 0603	0603_N	1	100k_100mW_0603	std	std
Fitted	R8	1k	1k 100mW 0603	0603_N	1	1k_100mW_0603	std	std
Fitted	SW1	Push Button	Taster, Nicht beleuchtet, 24 V, 50 mA, 180 gf, Baureihe FSMSM, AlcoSwitch	FSMSM	1	Switch-FSMSM	TE Connectivity	FSMSM
Fitted	U1	Humidity & Temperature	I2C HUMIDITY AND TEMPERATURE SENSOR	SI7020-DFN6	1	SI7020	Silicon Labs	SI7020
Fitted	U3	CC1310	CC1310 SimpleLink™ Ultra-Low-Power Sub-1 GHz Wireless MCU	CC1310F128RHB-QFN32	1	CC1310F128RHB	Texas Instruments	CC1310F128RHB/CC1310F64RHB/CC1310F32RHB (different flash sizes)
Not Fitted	C5		100n 50V 0603	0603_N	0	100n_50V_0603	std	std
Not Fitted	C13, C14		10p 50V 0603	0603_N	0	10p_50V_0603	std	std
Not Fitted	Q1	Crystal	AB38T-32.768KHZ	AB38t	0	AB38T-32.768KHZ	Abrakon	AB38T-32.768KHZ
Not Fitted	R1, R3	DNP	0R 100mW 0603	0603_N	0	0R_100mW_0603		
Not Fitted	R4	0R	0R 100mW 0603	0603_N	0	0R_100mW_0603	std	std
Not Fitted	SW2	Push Button	Taster, Nicht beleuchtet, 24 V, 50 mA, 180 gf, Baureihe FSMSM, AlcoSwitch	FSMSM	0	Switch-FSMSM	TE Connectivity	FSMSM
Not Fitted	U2	temperature sensor	Analog Temperature	LMT85-TO92	0	LMT85-TO92	Texas Instruments	LMT85LP