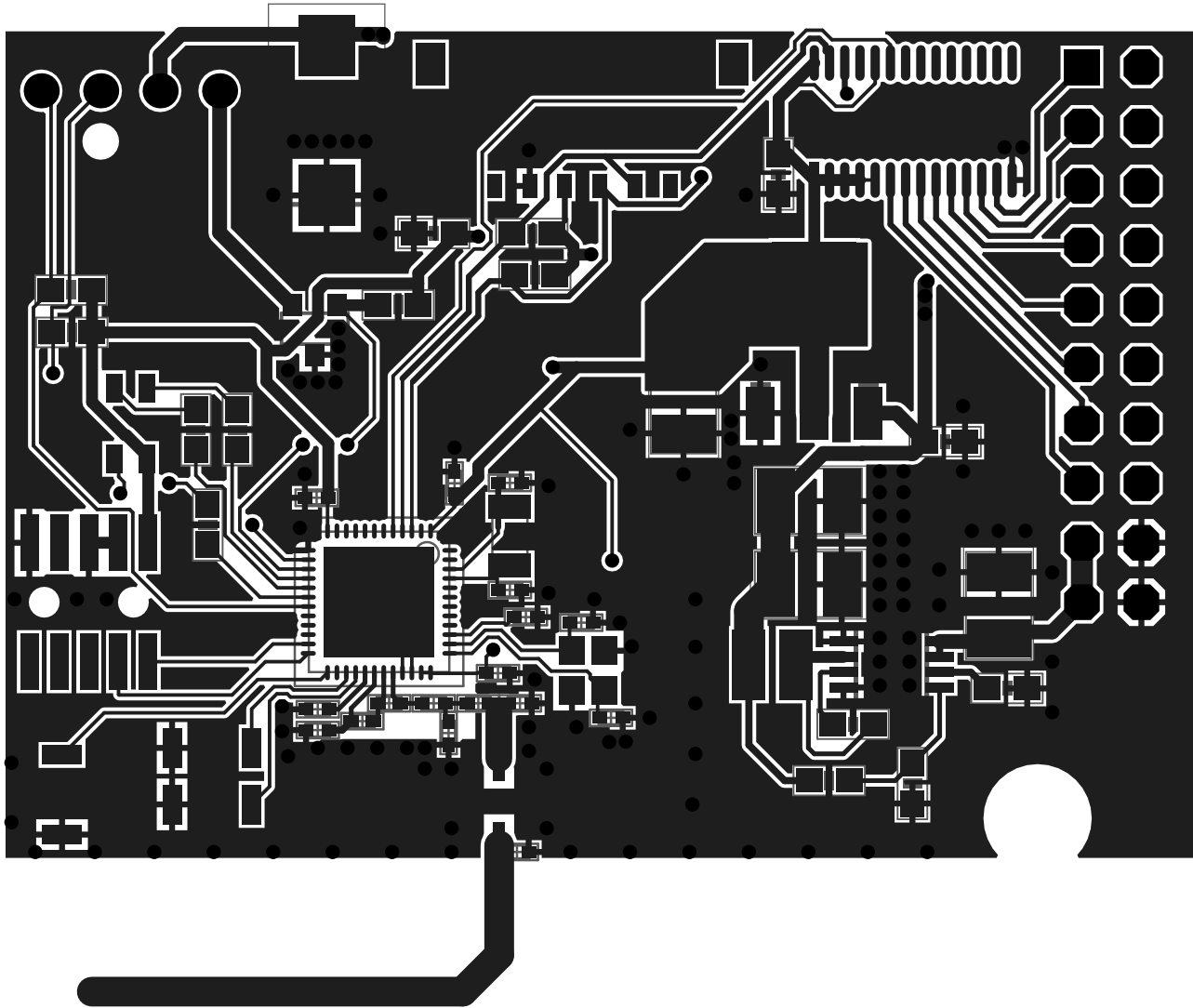
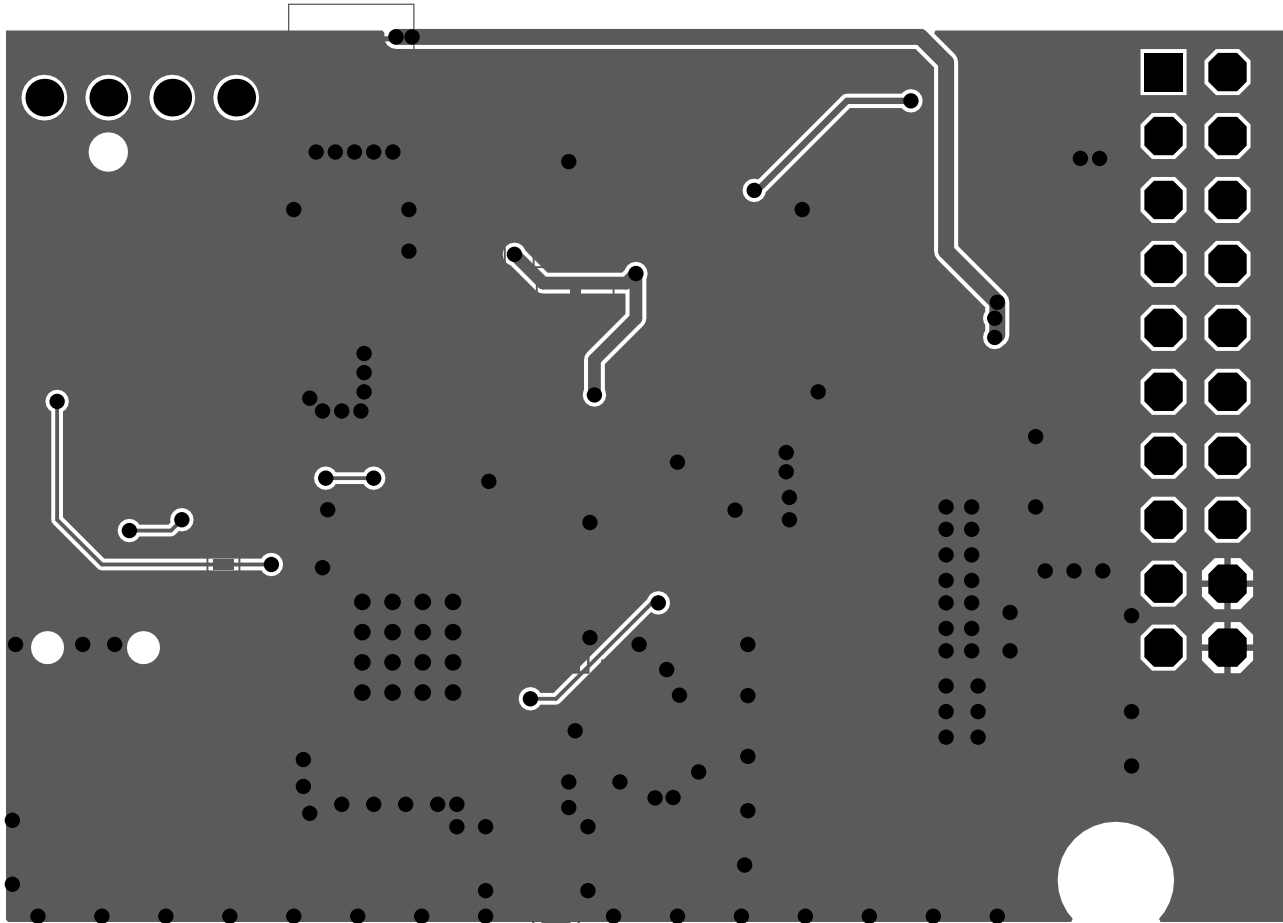
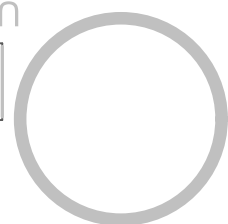


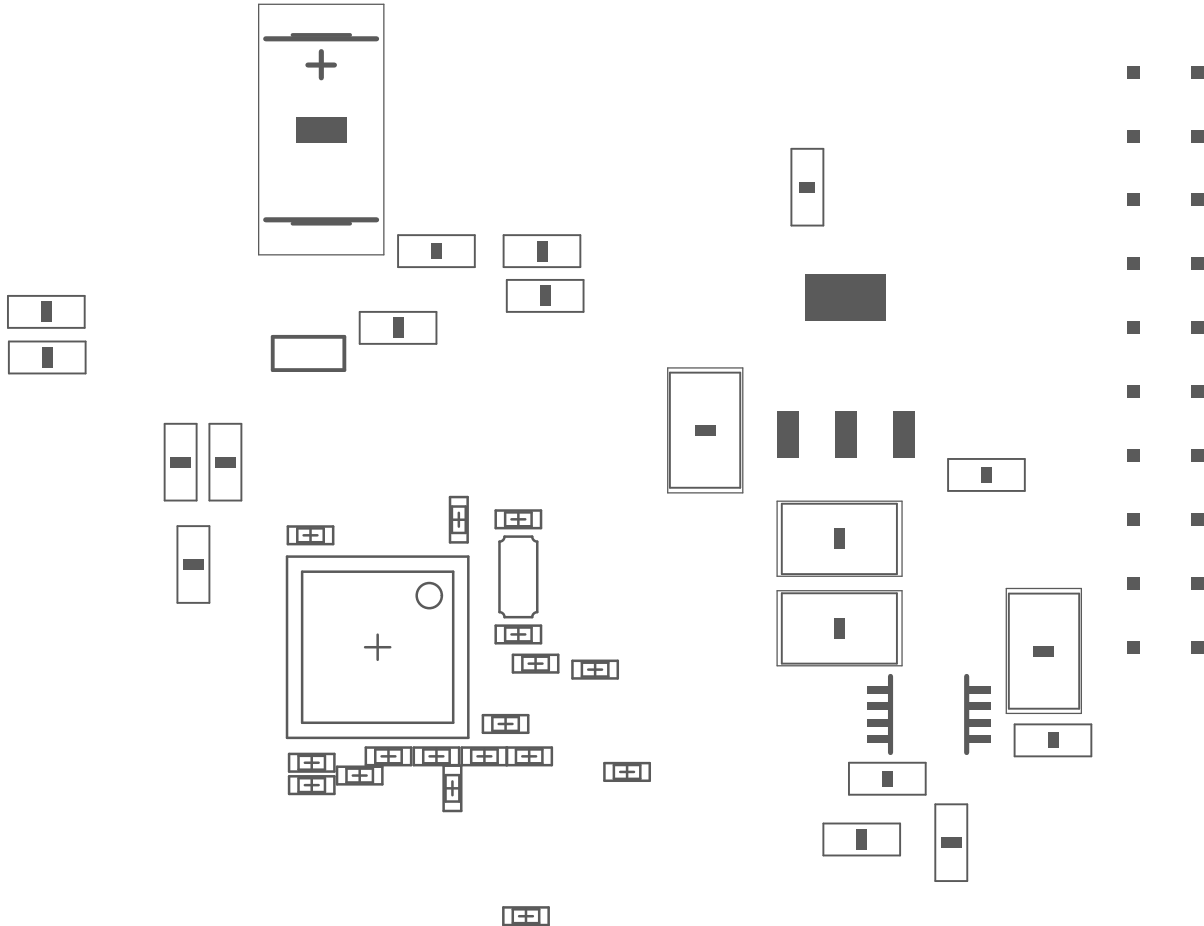
Title LED Brick PWM BLE			* * * * *	
Size: A3	Number:*	Revision:1		
Date: 1/14/2016	Time: 10:58:24 PM Sheet 1 of 1			
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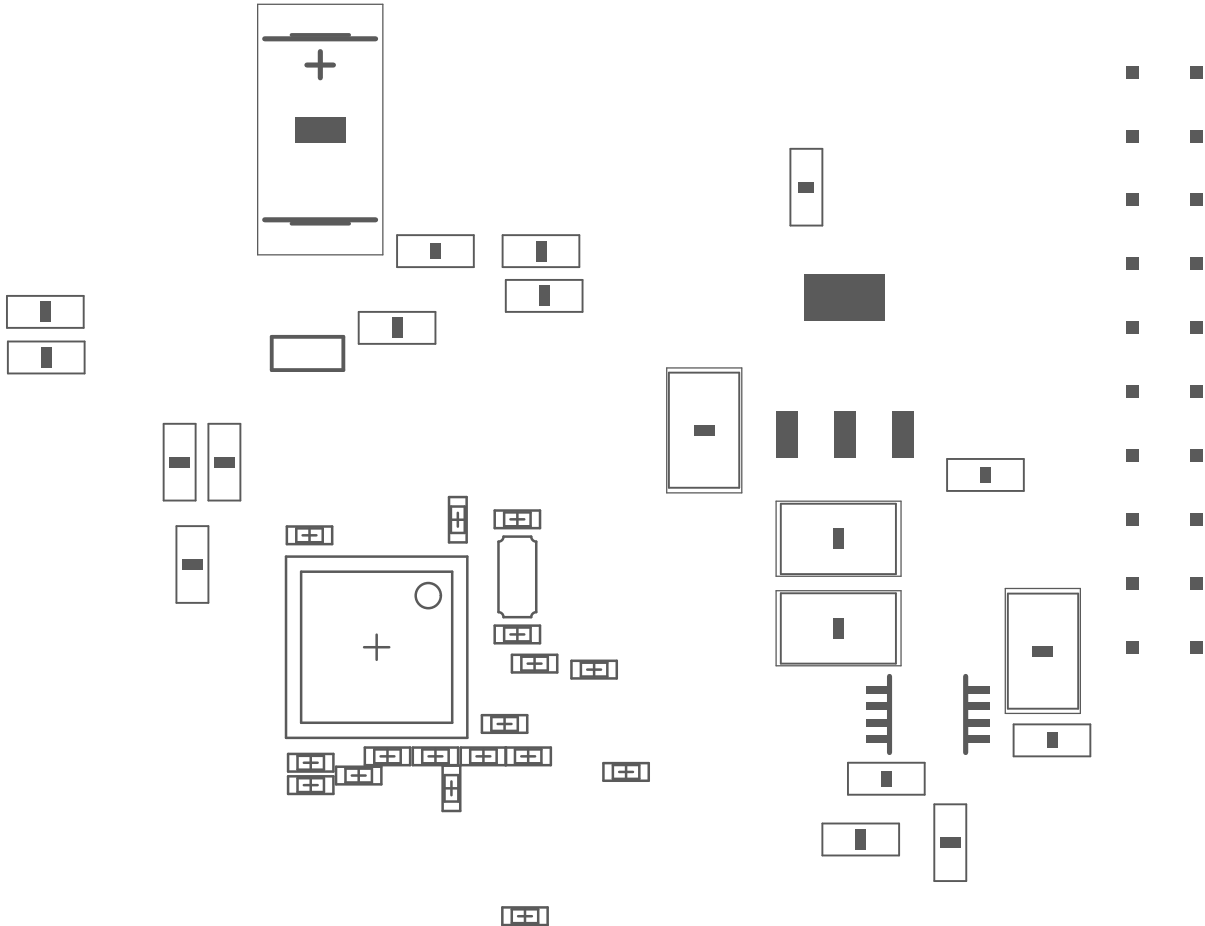


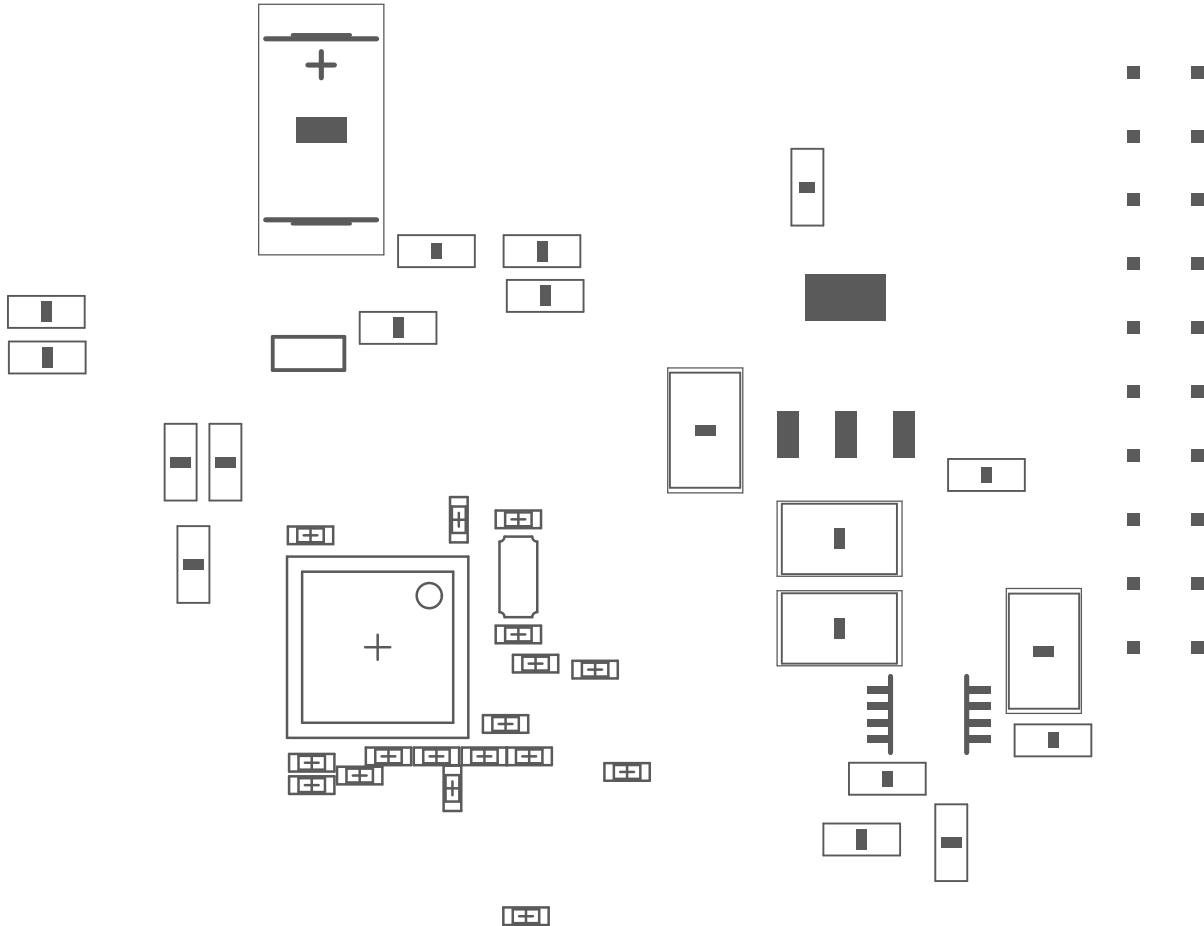


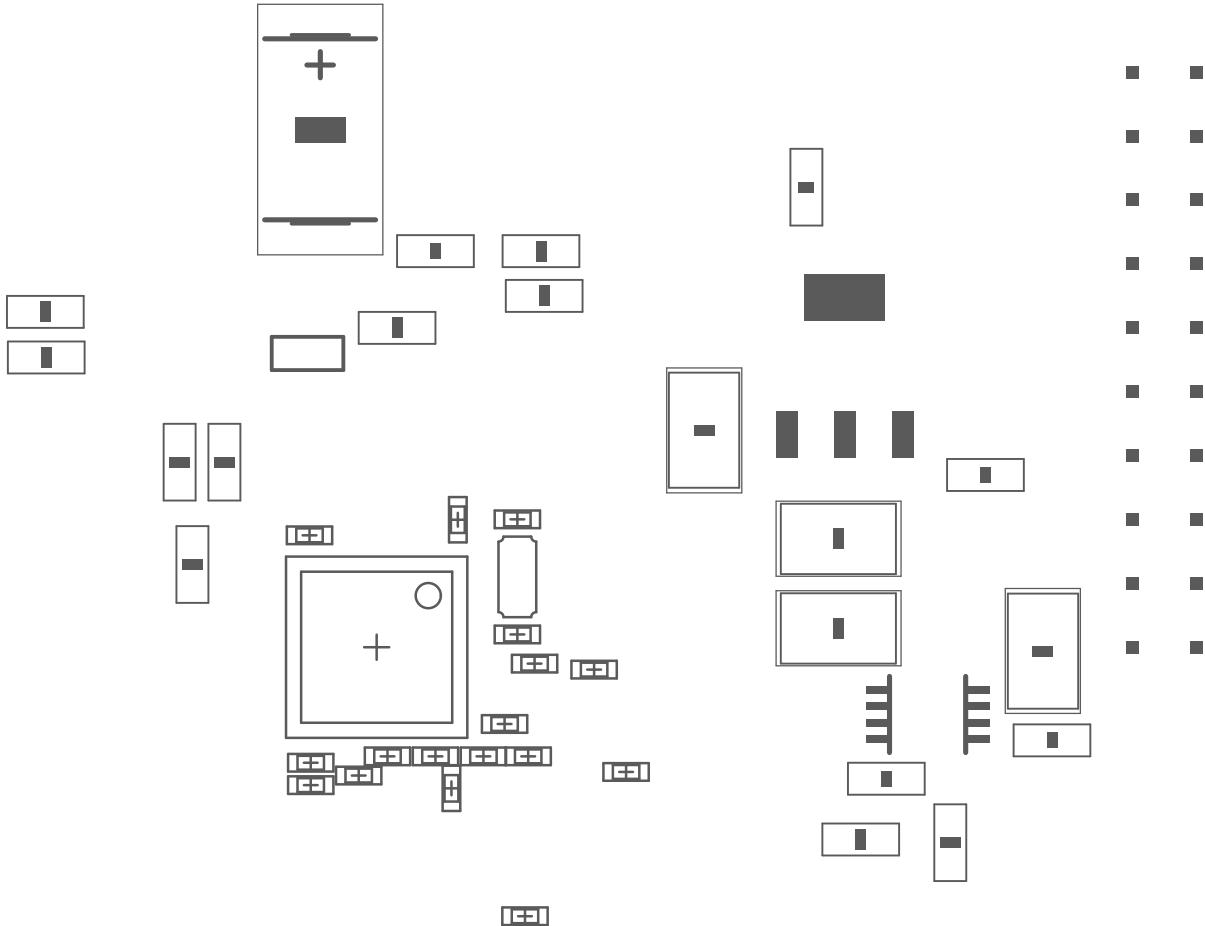


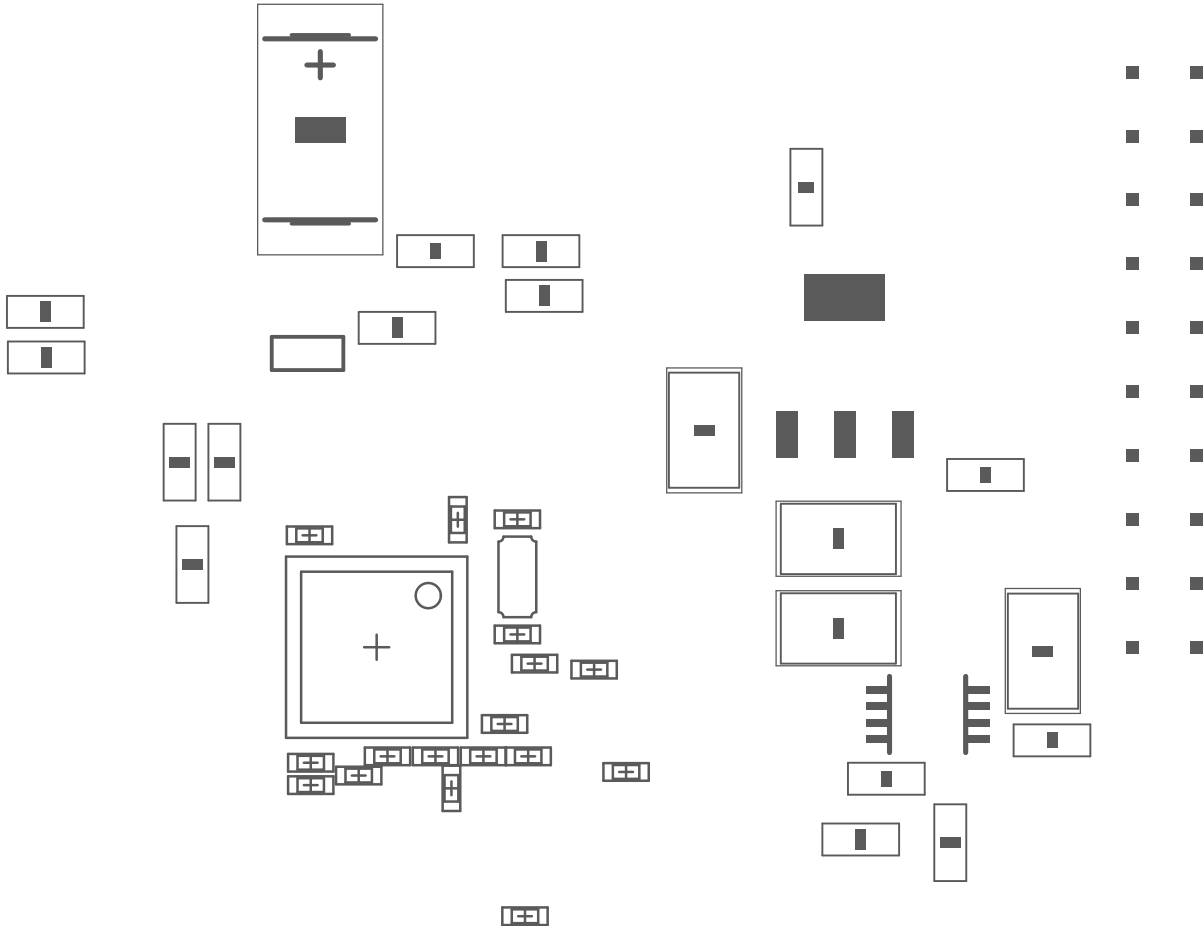
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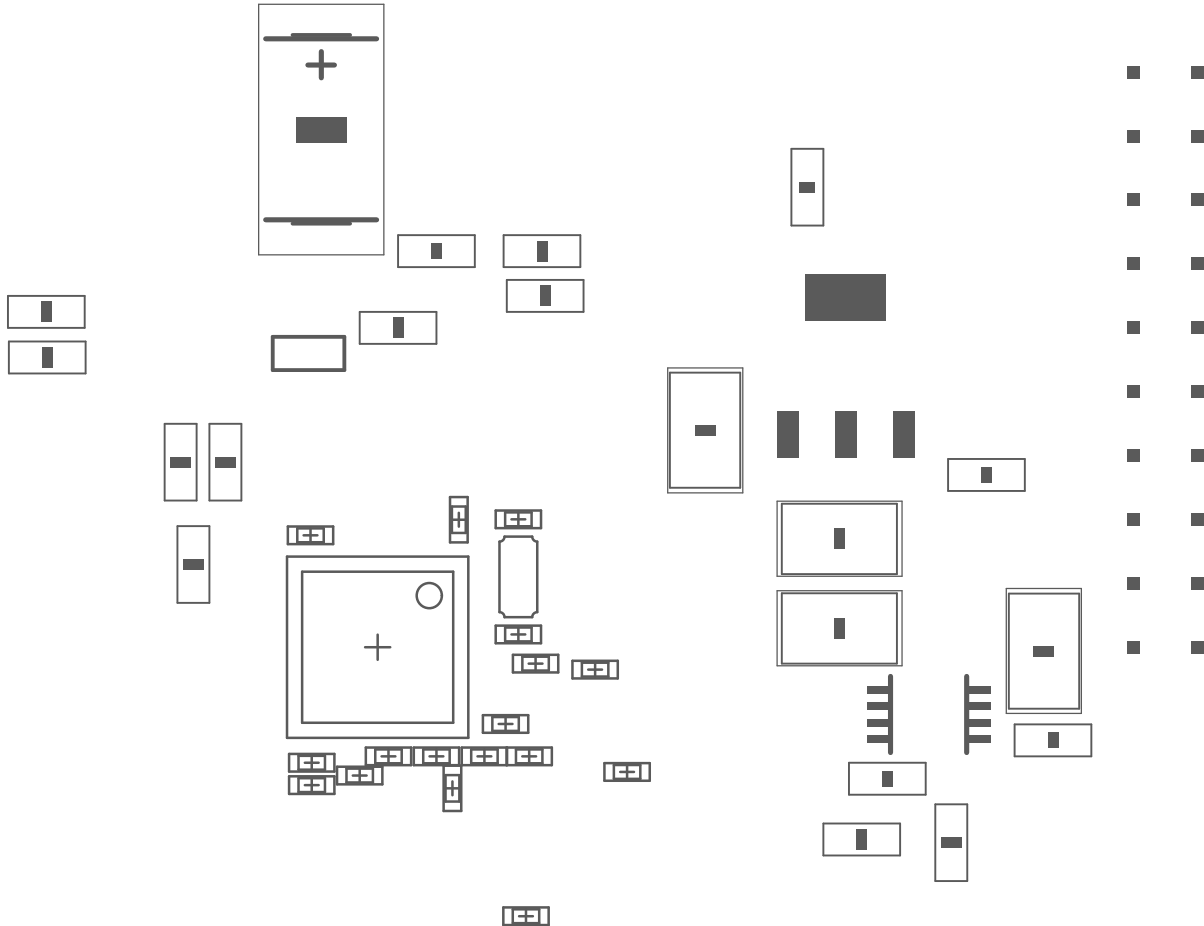


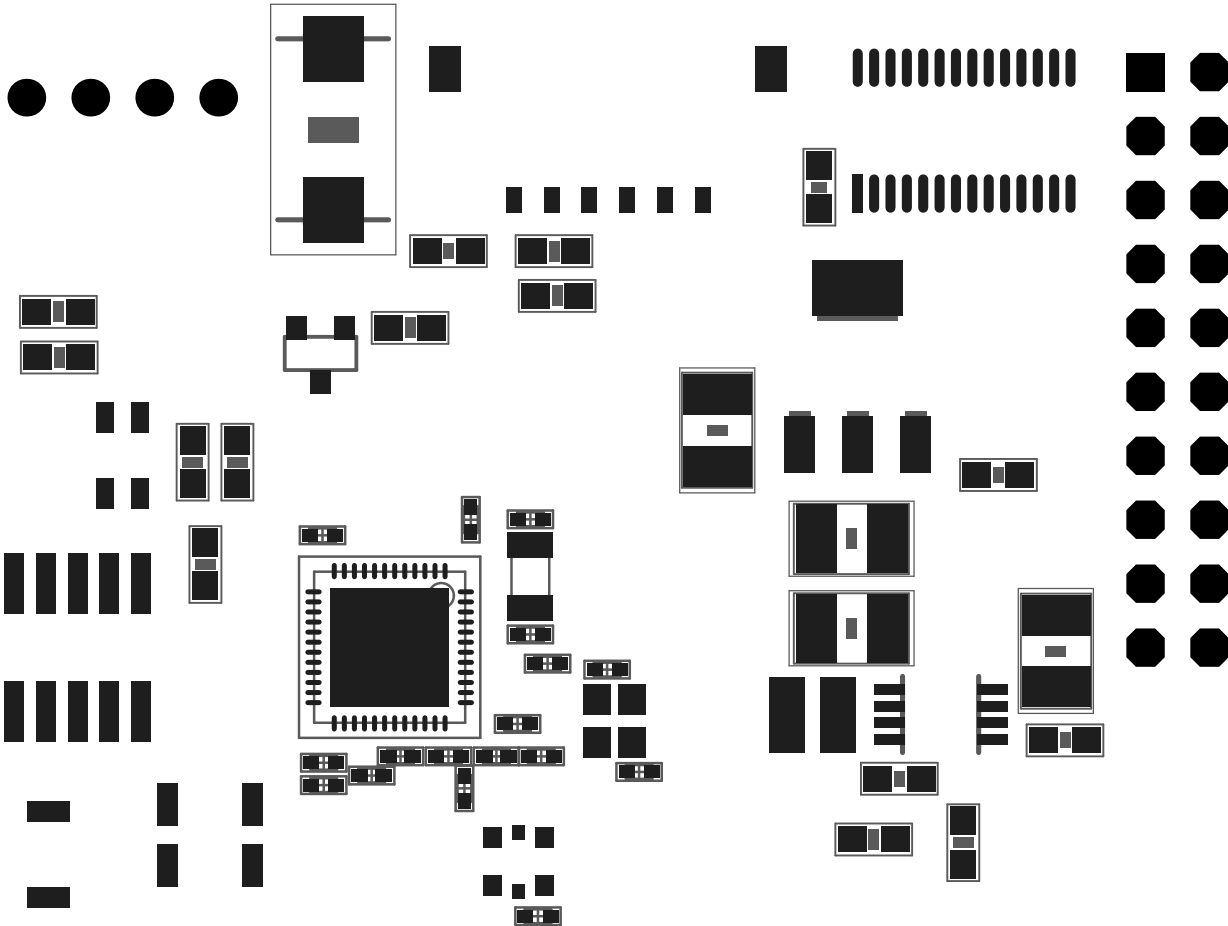


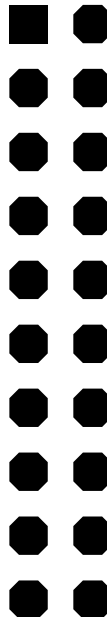
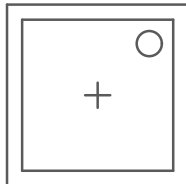
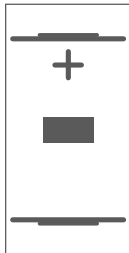


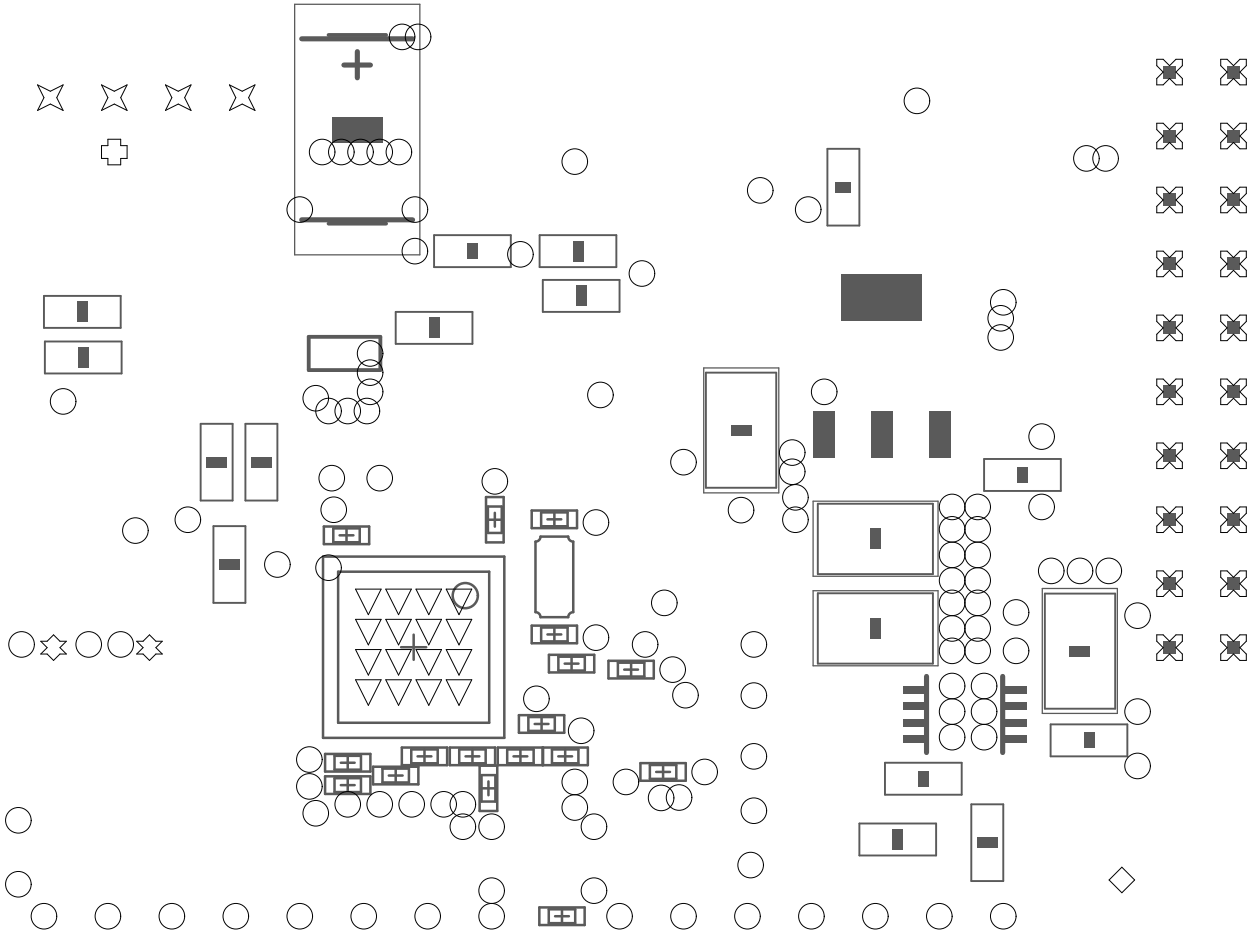


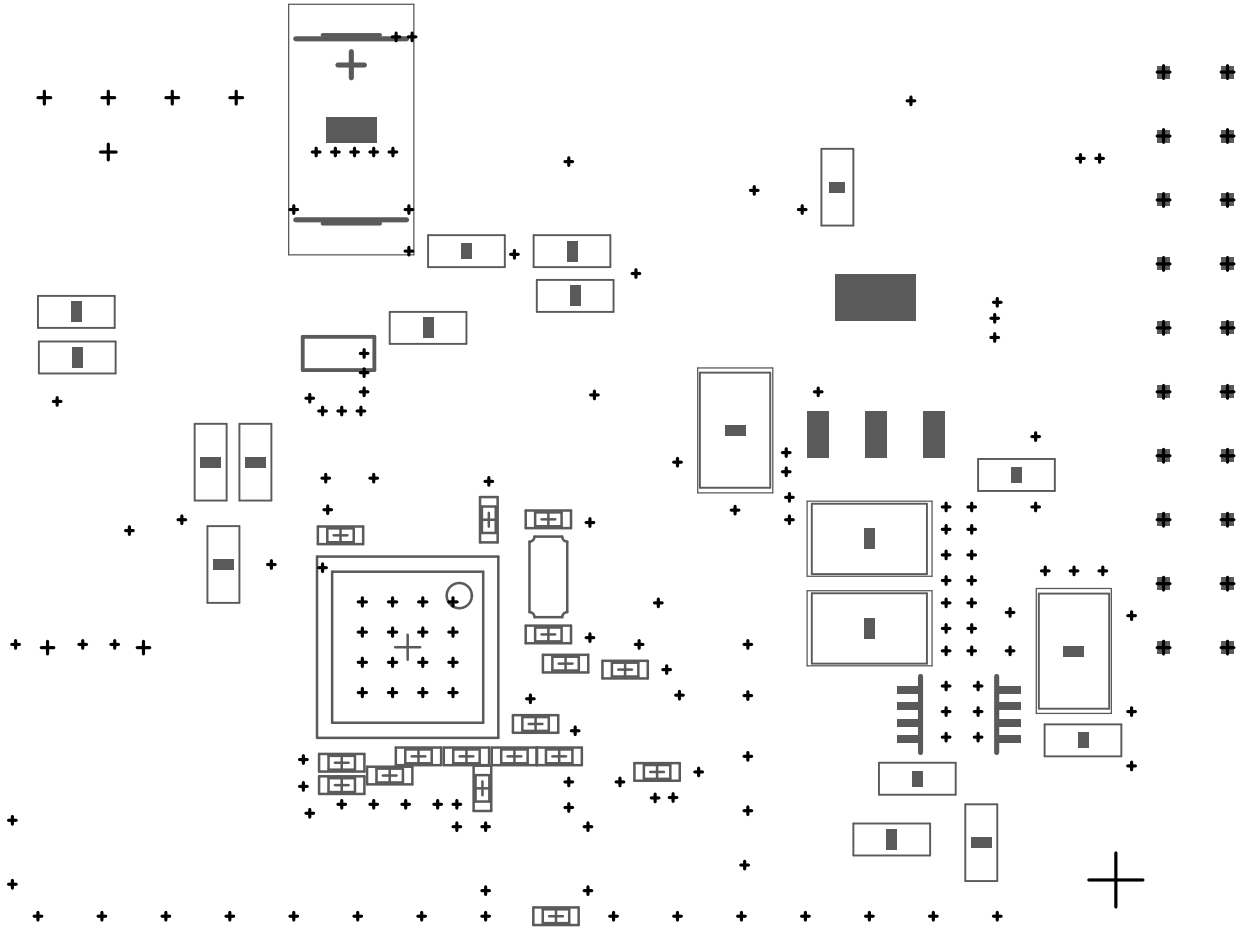












Comment	Description	Designator	Footprint	LibRef	Quantity
12pF	Capacitor, NP0, ±2%	C1, C2, C13, C14	CAPC1005X04L	CAP_0402	4
2.2nF	Capacitor, NP0, ±2%	C3	CAPC1005X04L	CAP_0402	1
1.0pF	Capacitor, NP0, ±2%	C4	CAPC1005X04L	CAP_0402	1
3.9pF	Capacitor, NP0, ±2%	C5	CAPC1005X04L	CAP_0402	1
1.5pF	Capacitor, NP0, ±2%	C6	CAPC1005X04L	CAP_0402	1
100nF	Capacitor, NP0, ±2%	C7, C8, C11	CAPC1005X04L	CAP_0402	3
1.0nF	Capacitor, NP0, ±2%	C9	CAPC1005X04L	CAP_0402	1
47nF	Capacitor, NP0, ±2%	C10	CAPC1005X04L	CAP_0402	1
0.1uF		C12, C20, C23	C0603	C-EU	3
100nF		C15	C0603	C-EU	1
4.7uF		C16, C17, C18, C21	C1210	C-EU	4
1uF		C19	C0603	C-EU	1
1.2pf	Capacitor, NP0, ±2%	C22	CAPC1005X04L	CAP_0402	1
22uF 25V Poly		C24	CT7343	CPOL-US	1
M10X2		J1	2X10	M10X2	1
ARMJTAG		J2	2X05_SMD	ARM_MINI_10PIN_JTAG	1
504050-0691_PICOLOCK		J3	504050-0691_PICOLOCK	504050-0691_PICOLOCK	1
KK-254-4		J4	KK-254-47053-3000	KK-254-4	1
MM8130-2600	Coaxial Connector with Switch	J5	COAXIAL-SWF	Coaxial-Internal-SW	1
4.7nH	High frequency chip inductor ±10%	L1	INDC1005X04L	IND_0402	1
27nH	High frequency chip inductor ±10%	L2	INDC1005X04L	IND_0402	1
3.3nH	High frequency chip inductor ±10%	L3	INDC1005X04L	IND_0402	1
56uH		L4	SDR0302	L-US	1
CLVBA		LED1	LED-TRICOLOR-SMD	LED-TRICOLOR	1
AO3400A		Q1	SOT23-3	NFET	1
140k		R1	R0603	R-US	1
10k		R2, R3, R4, R10	R0603	R-US	4
2.2k		R5, R6	R0603	R-US	2
1k		R7, R8, R9	R0603	R-US	3
SPST_NO		SW1, SW2, SW3	B3U-1000P	SPST_NO	3
nRF51x22-QFAA	Multi-protocol Bluetooth Low Energy, ANT and 2.4GHz proprietary system-on-chip	U1	QFN40P600X600X90-48N	nRF51x22_QFAx	1
MCP16311		U2	MSOP8	MCP16311	1
ZLDO1117-3.3		U3	SOT223	V_REG_LM1117SOT23	1
PCA9685		U4	TSSOP28	PCA9685	1
16MHz	XTAL SMD 2520, 16MHz, 8pF, ±40ppm	X1	BT-XTAL_2520	XTAL_4-pin_grounded	1
32.768kHz	XTAL SMD 3215, 32.7	X2	XTAL_3215	XTAL_2-pin	1