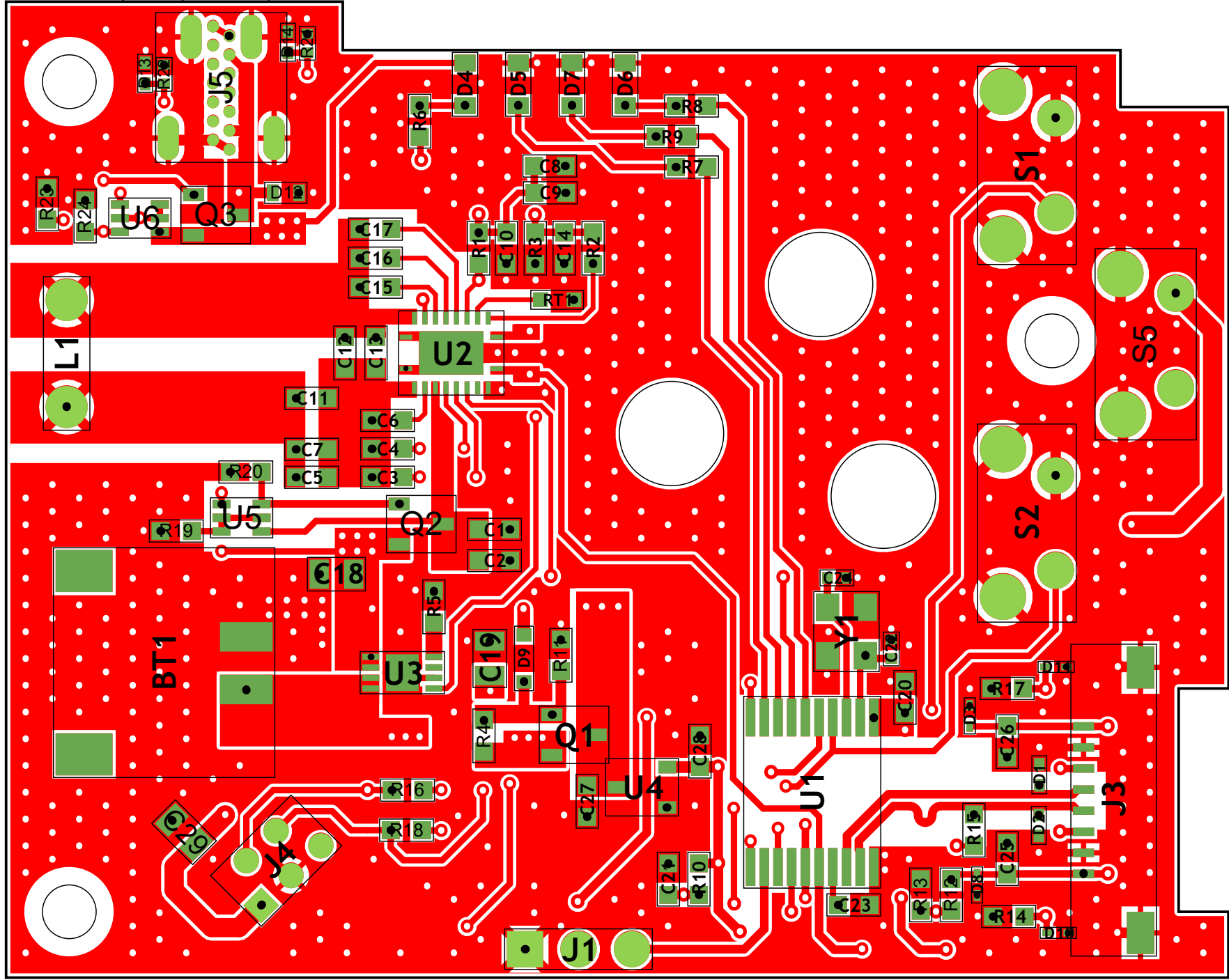


View from Top side (Scale 4:1)



A

B

C

D

E

1

2

3

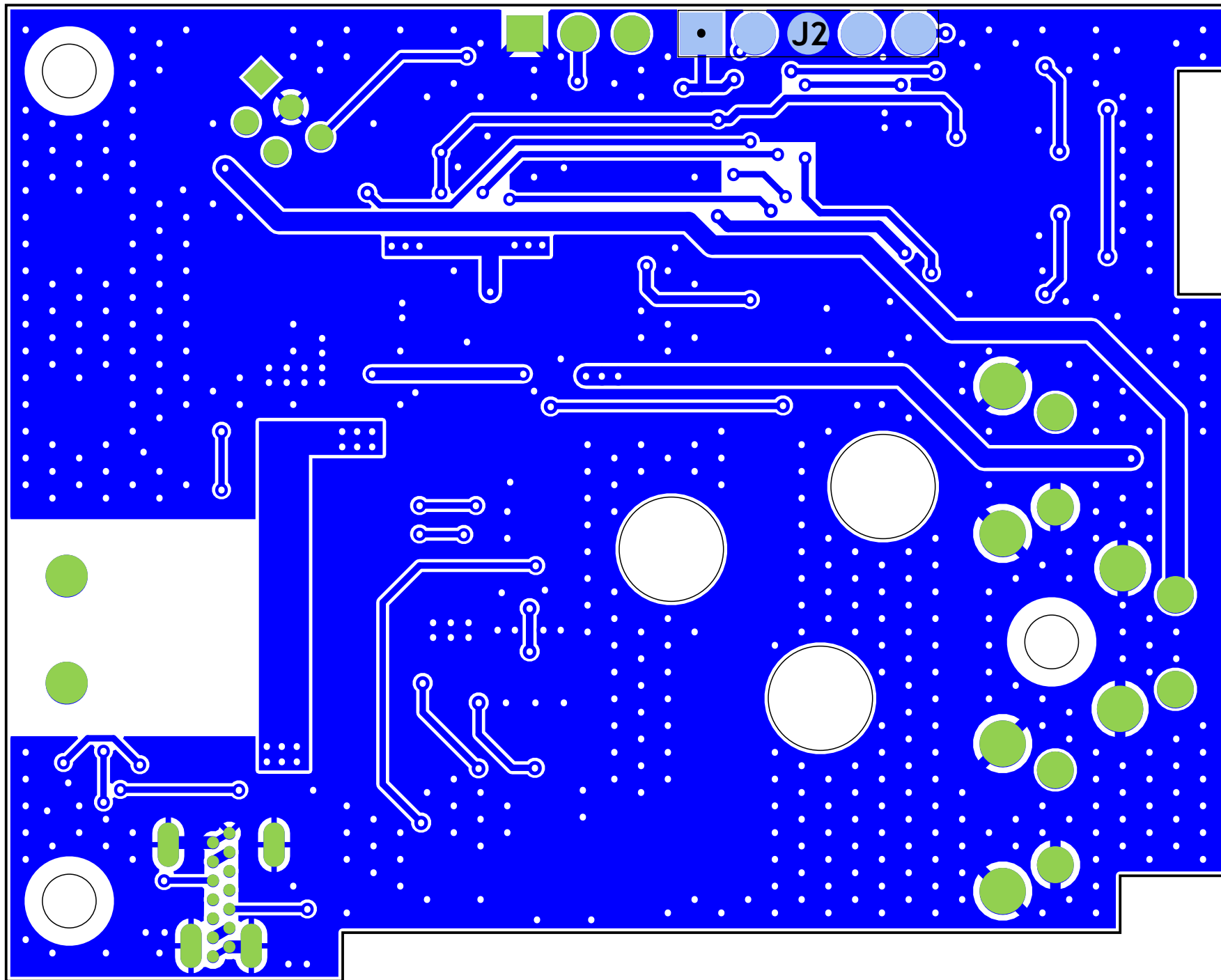
4

1

2

3

4



View from Bottom side (Scale 4:1)

A

B

C

D

E

1

1

2

2

3

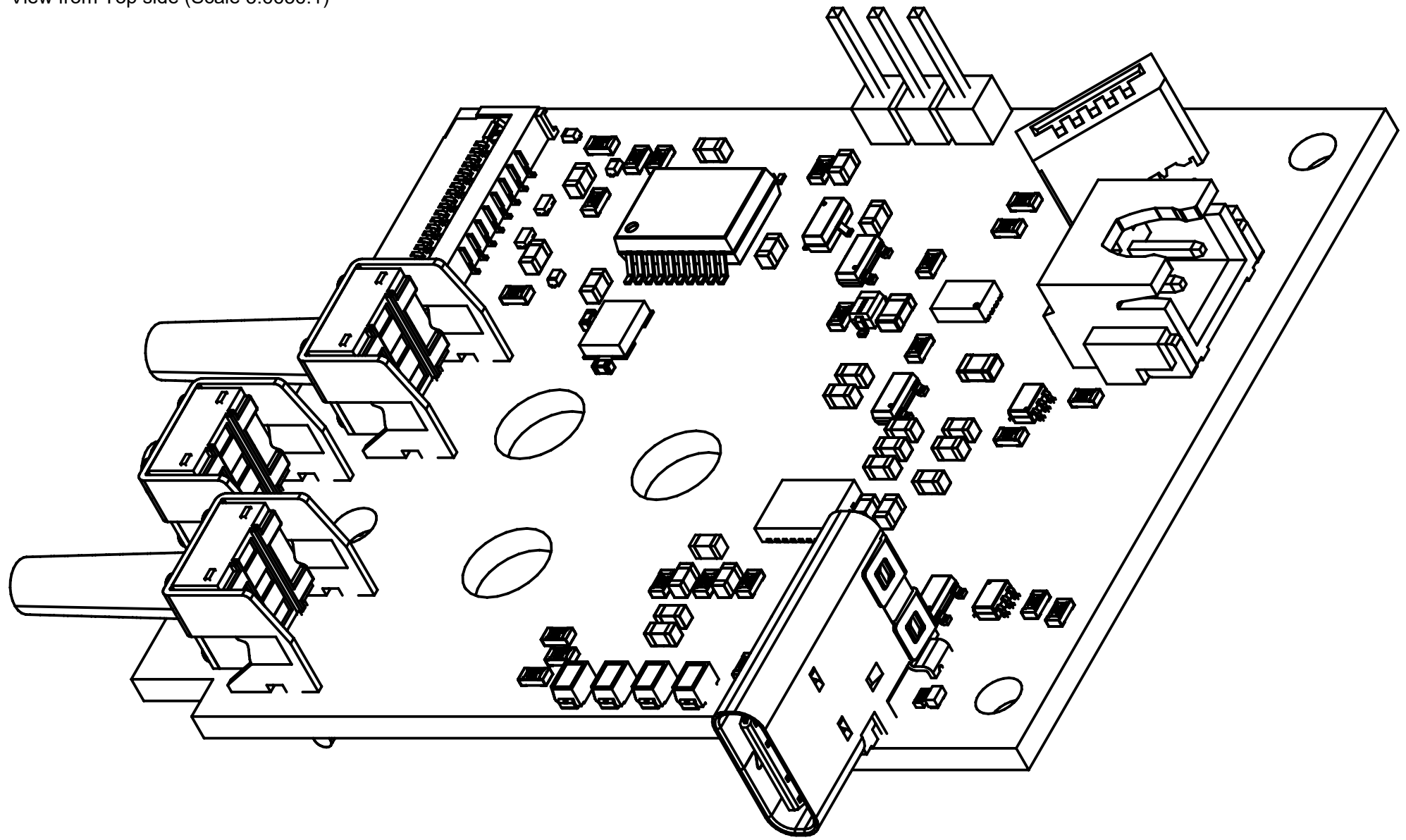
3

4

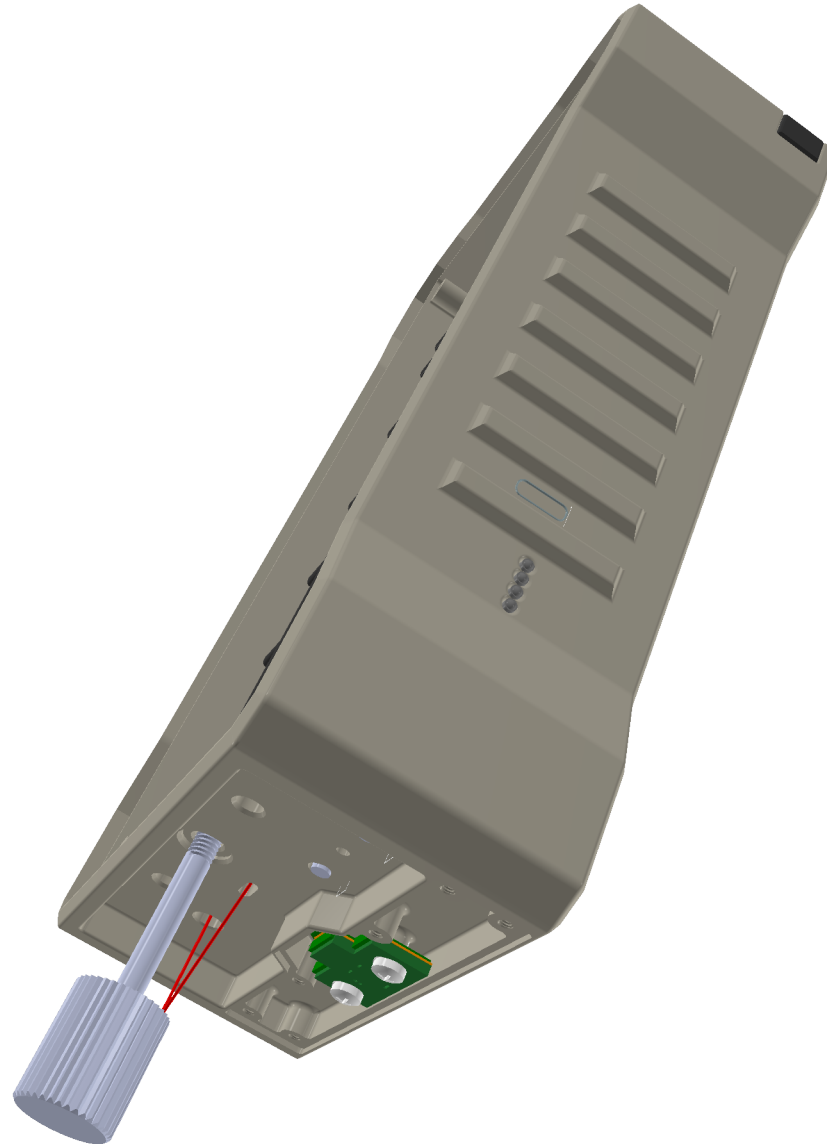
4

J2

View from Top side (Scale 3.6636:1)



Realistic View



A

B

C

D

E

1

1

2

2

3

3

4

4

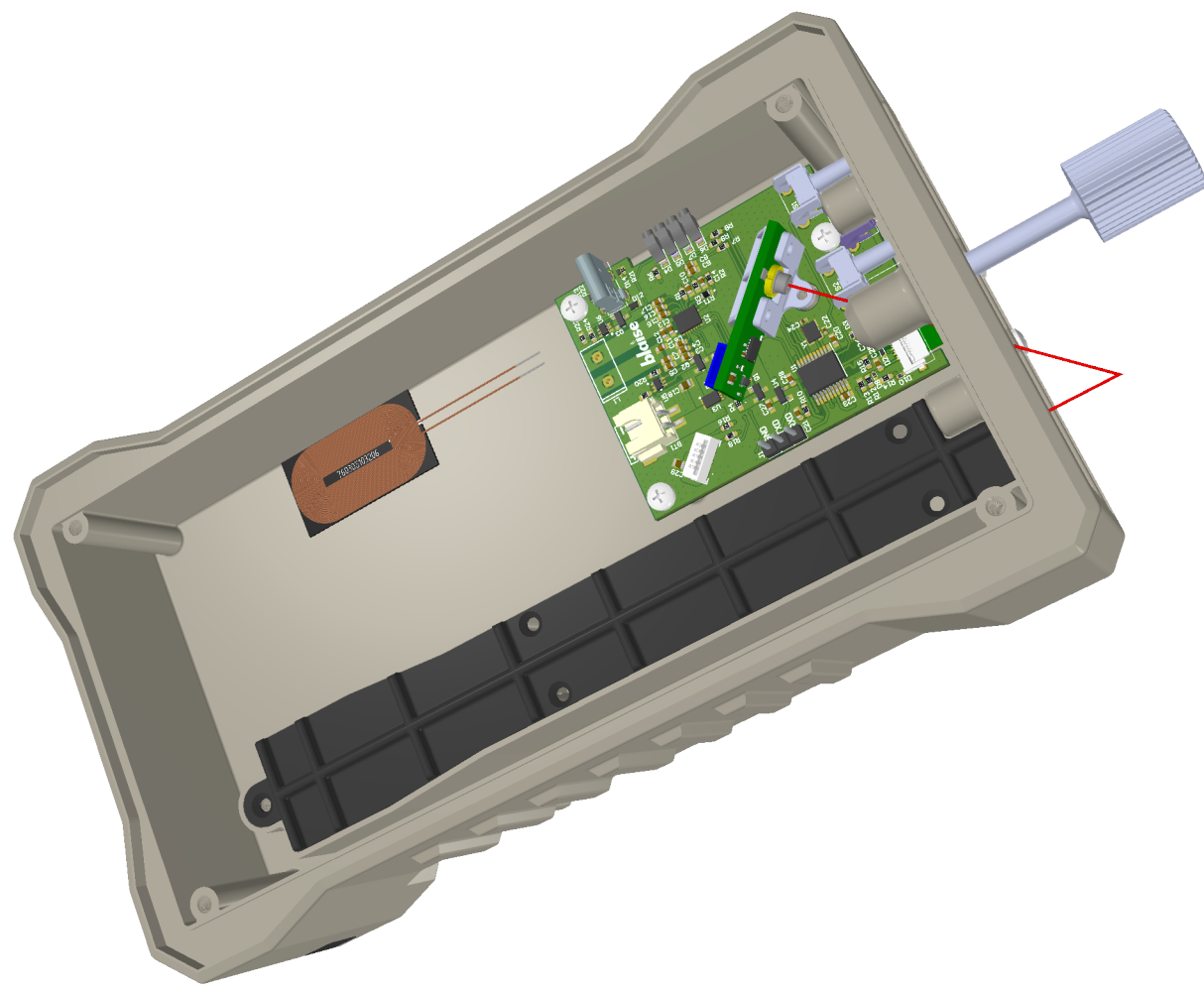
A

B

C

D

E



Bill Of Materials

Line #	Designator	Comment	Quantity
1	BT1	Battery Socked 2.54mm SMD/ THT	1
2	C1, C8, C14, C20	100nF	4
3	C2, C9, C10, C25, C26	10uF	5
4	C3, C17	22nF	2
5	C4, C16, C23	470nF	3
6	C5, C7	68nF	2
7	C6, C15	10nF	2
8	C11	47nF	1
9	C12	100pF	1
10	C13	1800pF	1
11	C18, C19	4.7uF/6V3	2
12	C21	100nF/50V	1
13	C22, C24	C0402 18pF	2
14	C27, C28	1uF/6V3	2
15	C29	47uF/6V3	1
16	D1, D2	ESD321DPYR	2
17	D3, D8	ESD9B5.0ST5G	2
18	D4	miniTOPLED WHITE	1
19	D5	miniTOPLED BLUE	1
20	D6	miniTOPLED RED	1
21	D7	miniTOPLED GREEN	1
22	D9	BAT54WS-TP	1
23	D10, D11	ESD9L5.0ST5G	2
24	D12	ESDA25P35-1U1M	1
25	D13, D14	TPD1E05U06DPYT	2
26	J1	Header 3X1 2.54 THT	1
27	J3	200528-0080	1
28	J4	52806-0510	1
29	J5	2169890002	1
30	L1	WR303050-15F5-G	1
31	Q1, Q2, Q3	DMP2035U-7	3
32	R1	20K0	1
33	R2	51	1
34	R3, R7, R8, R9	330	4
35	R4	200K	1
36	R5	2K2	1
37	R6	1K	1
38	R10, R11, R12, R13, R19, R23	10K	6
39	R14, R17	5K1	2
40	R15	1K5	1
41	R16, R18	4K7	2
42	R20, R24	47K	2
43	R21, R22	5K1	2
44	RT1	ERT-J1VG103JA	1
45	S1, S2	TS11-674-153-BK-260-RA-D	2
46	S5	TS11-674-50-BK-260-RA-D	1
47	U1	PIC16F1459-I_SS	1
48	U2	BQ51013BRHLR	1
49	U3	MCP73831-2ACI_MC	1
50	U4	AP2120N-3.3TRG1	1
51	U5, U6	BC856BDW1T1G	2
52	Y1	ECS-120-8-33-JGN-TR3	1