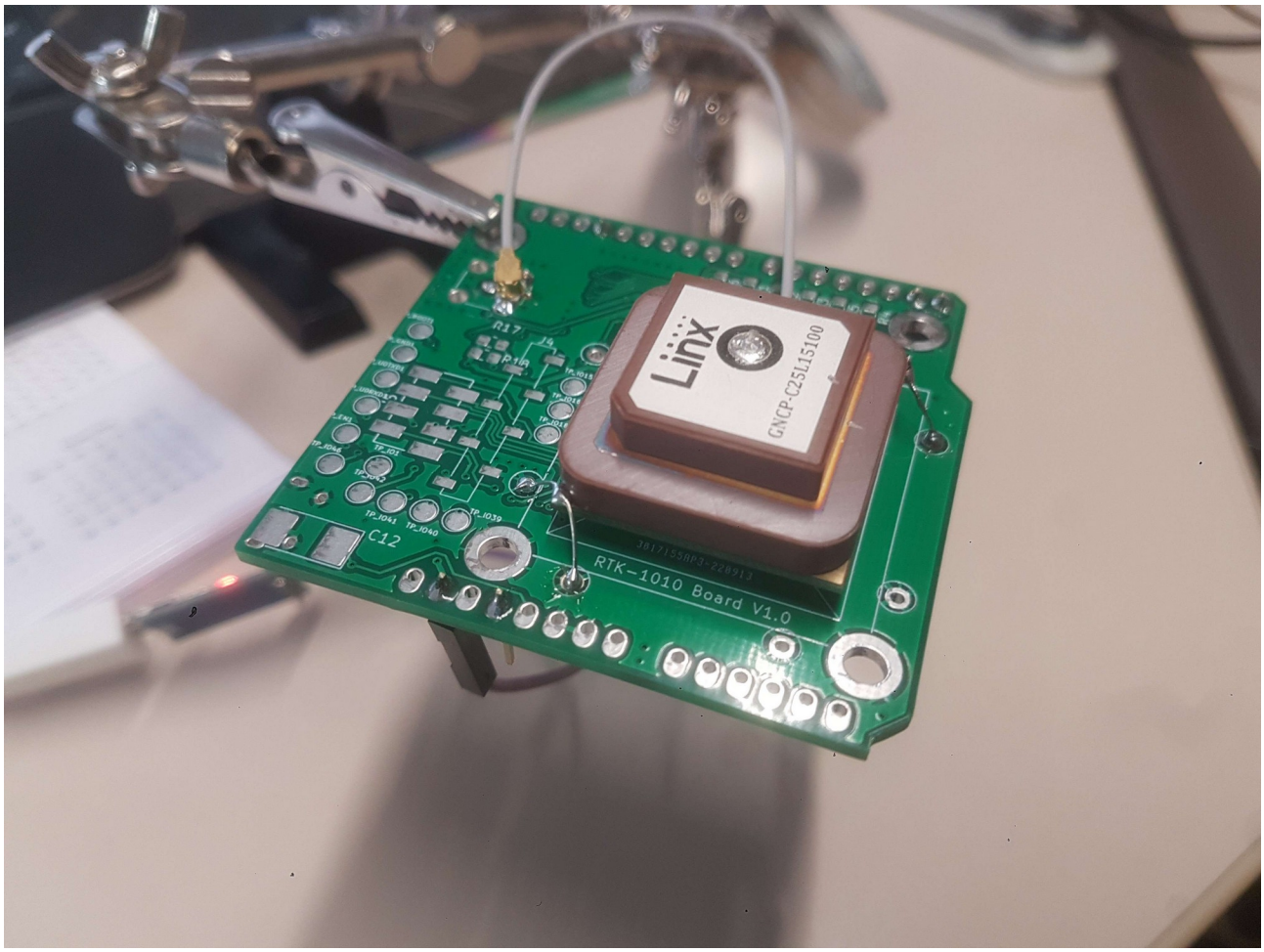
RTK1010Board Building Manual

Website: https://github.com/MS71/RTK1010Board



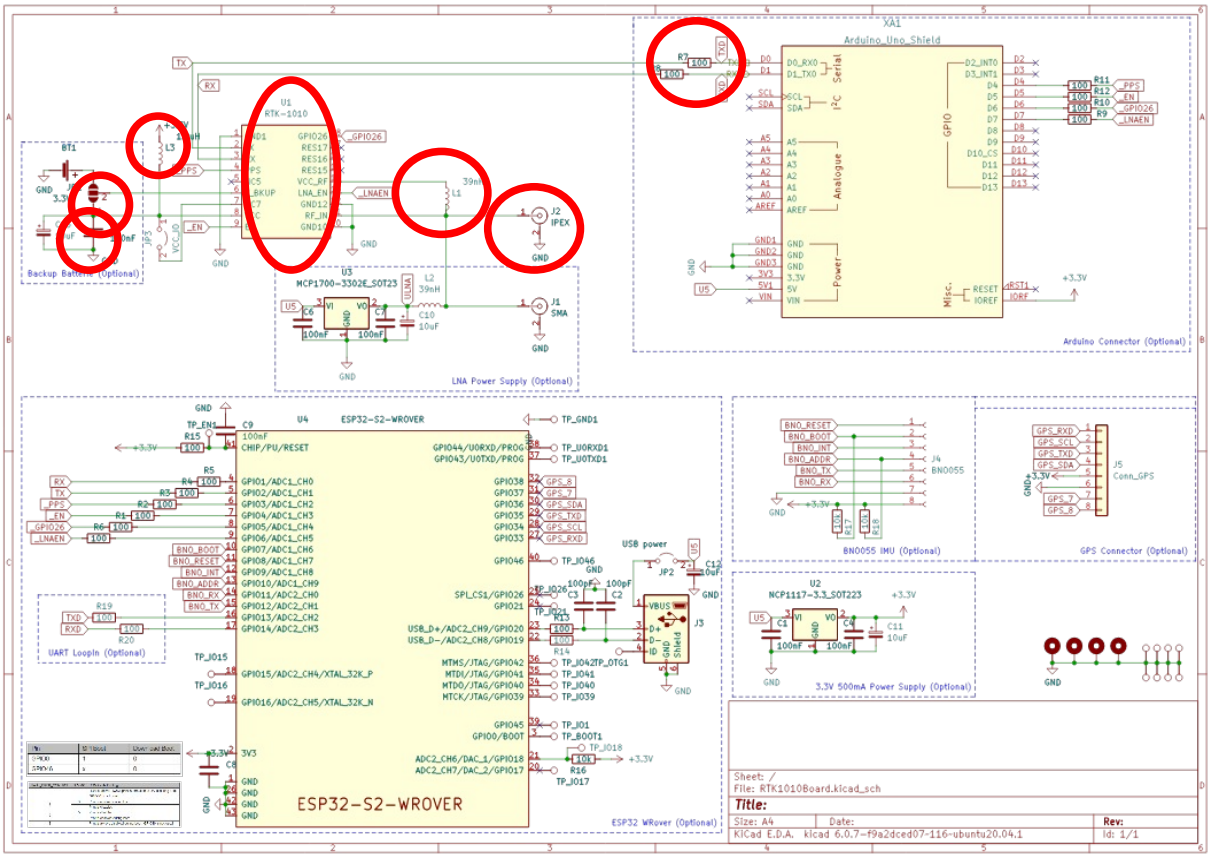
Tools

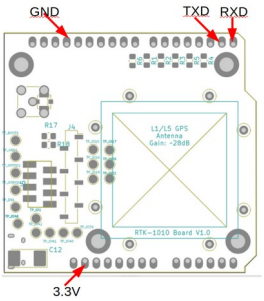
- Digital Microscope DM4(eBay)

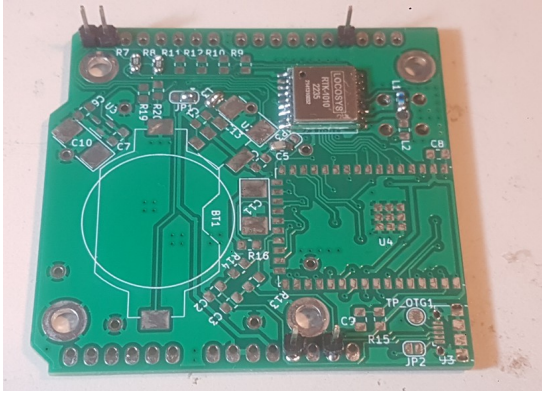
- ...

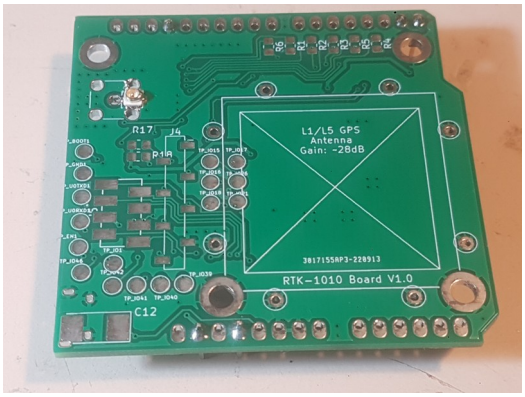
Variant A) Minimum RTK-1010 receiver with arduino form factor

- just RTK-1010 to RX/TX arduino pin
- SMA or IPEX connected
- LNA power by rtk-1010
- My active GPS antenna. (Linx:NT-GNCP-C25L15100)

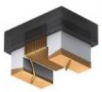




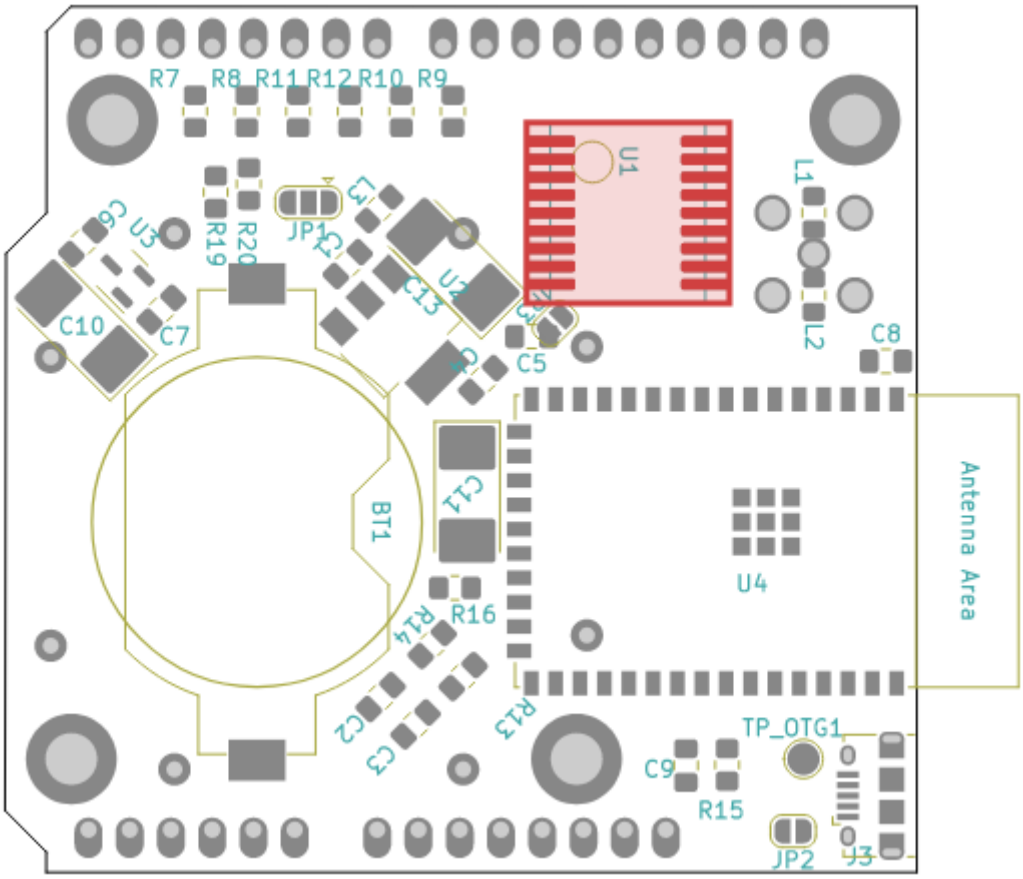




Reichelt:

	T491C 100U 10 SMD-Tantal, 100µF, 10V, 125°C % Rabattfähig ab Lager, Lieferzeit: 1-2 Werktage	1 + - 🗑	0,45 €	**0,45 €**
	**L-0805AS 39N** SMD-Induktivität, 0805, Keramik, 39 nH % Rabattfähig ab Lager, Lieferzeit: 1-2 Werktage	2 + - 🗑	0,24 €	**0,48 €**
	KEM X7R0805 100N Vielschicht-Kerko, 100nF, 50V, 125°C % Rabattfähig ab Lager, Lieferzeit: 1-2 Werktage	1 + - 🗑	0,07 €	**0,07 €**
	RND 1550805 AZ SMD-Widerstand, 0805, 100 Ohm, 125 mW, 5% % Rabattfähig Restposten, Lieferzeit: 1-2 Werktage	2 + - 🗑	0,02 €	**0,04 €**
	KEYSTONE 1058 Knopfzellenhalter für 1 Ø 20 mm % Rabattfähig ab Lager, Lieferzeit: 1-2 Werktage	1 + - 🗑	1,25 €	**1,25 €**

U1 RTK-1010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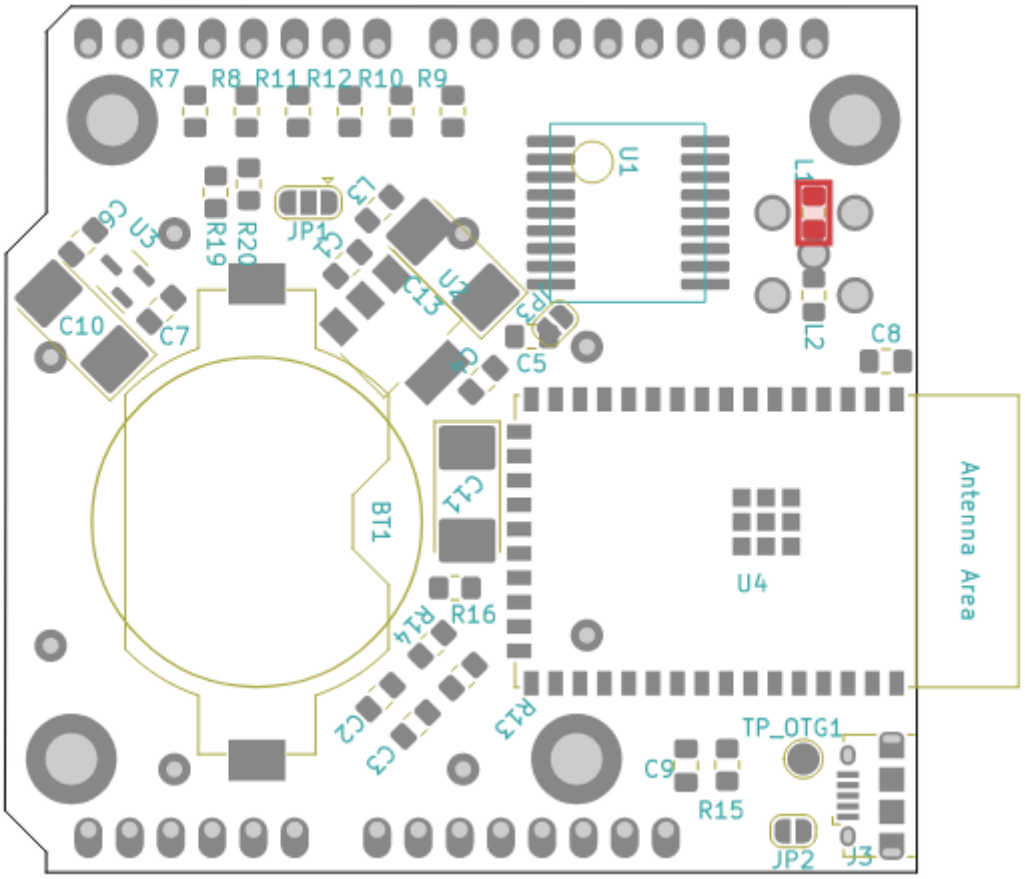
C8
C6
U3
R19
R20
JP1
C1
C13
U2
C10
C7
C5
C11
BT1
U4
Antenna Area
R16
R14
C2
C3
R13
TP_OTG1
C9
R15
JP2
J3

L1 Coil 39nH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C3
R13
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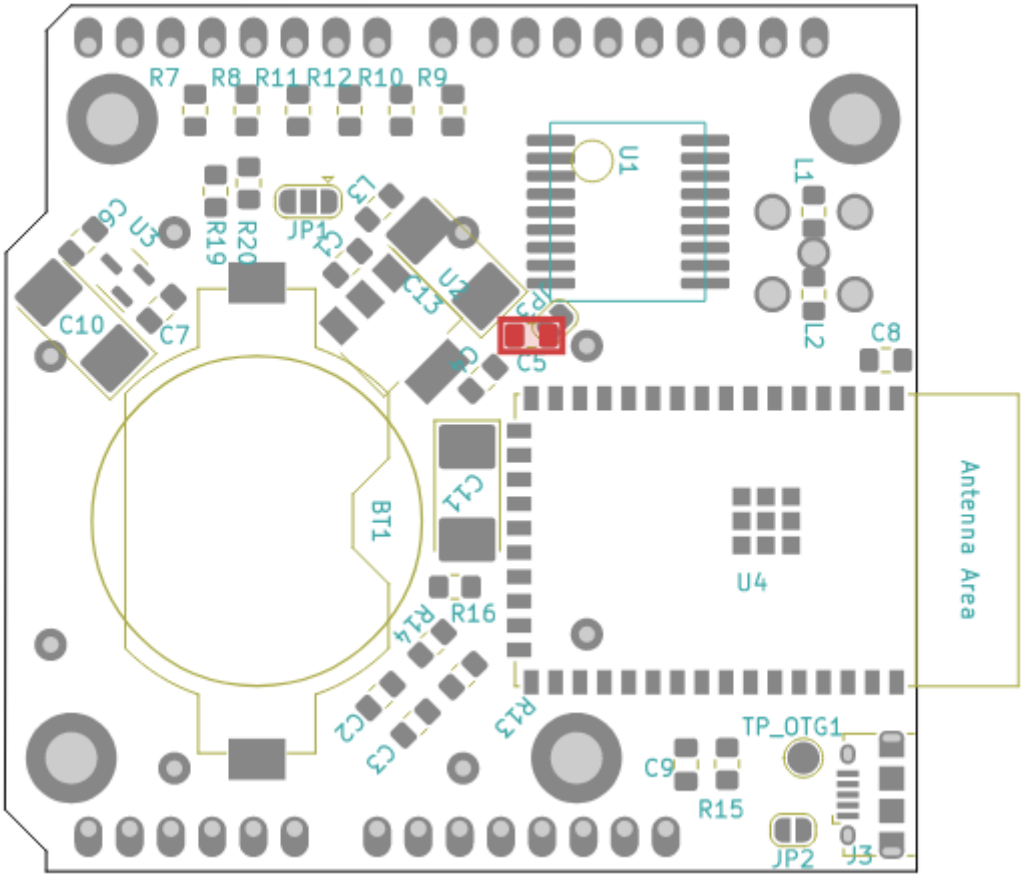
C9
R15
JP2
J3

C5 100nF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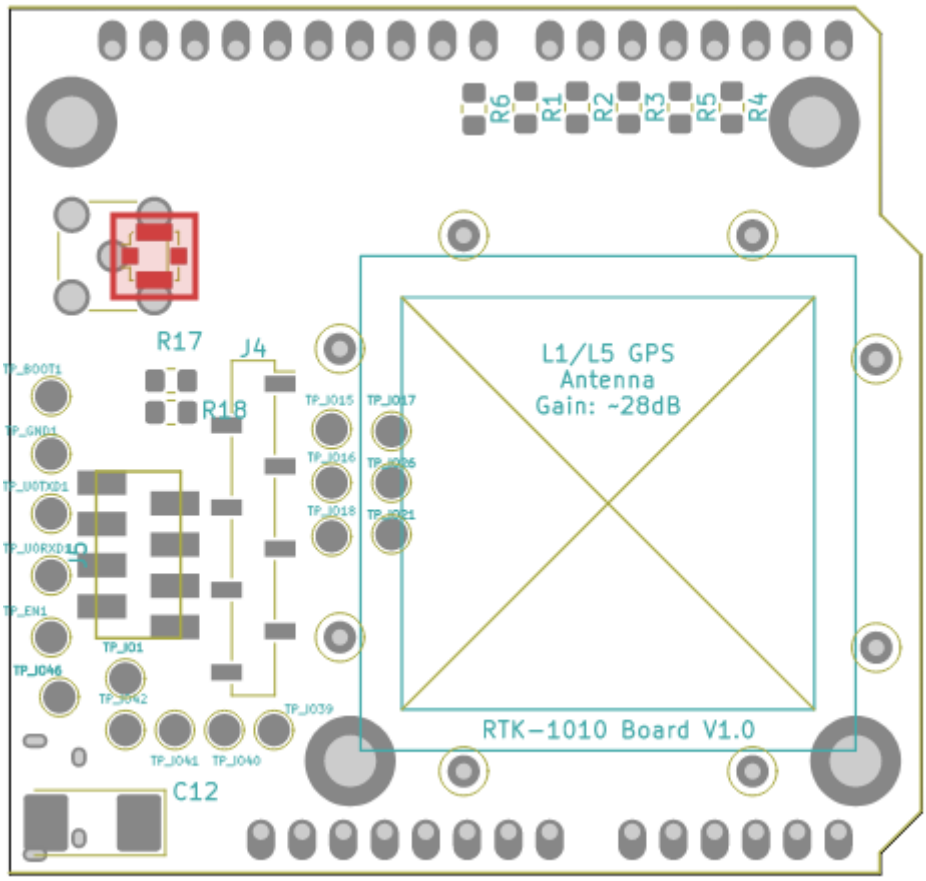
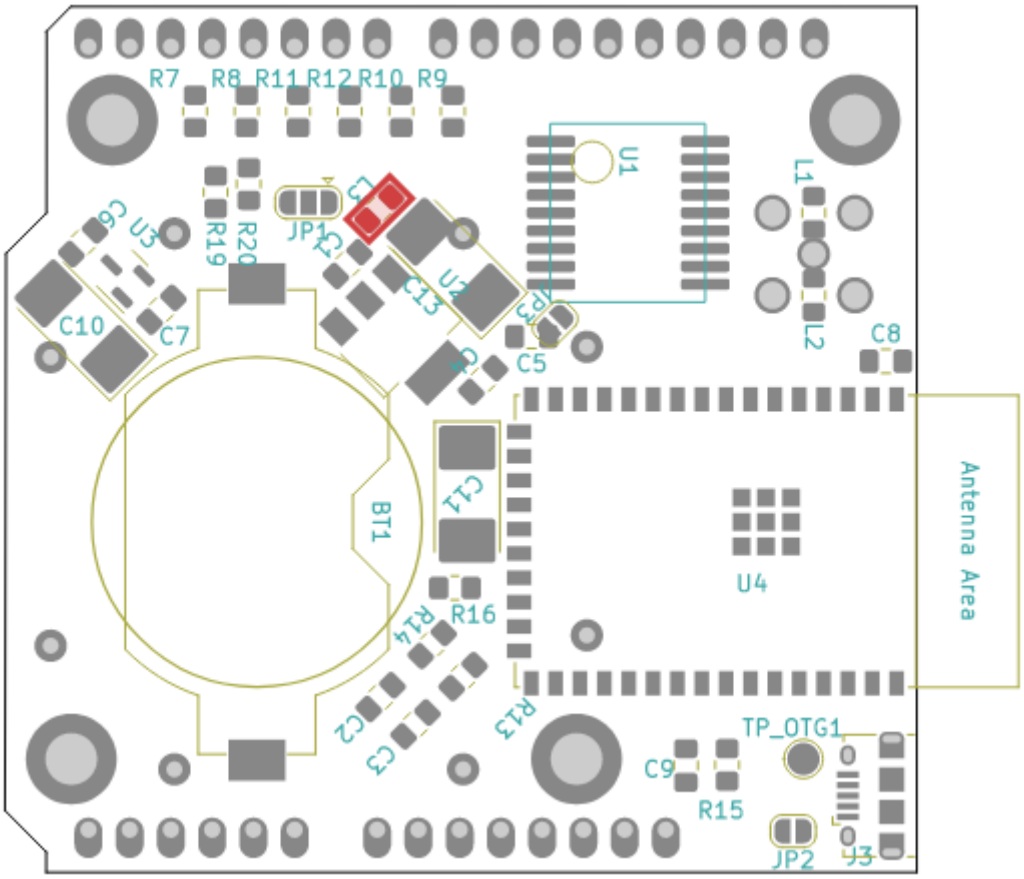
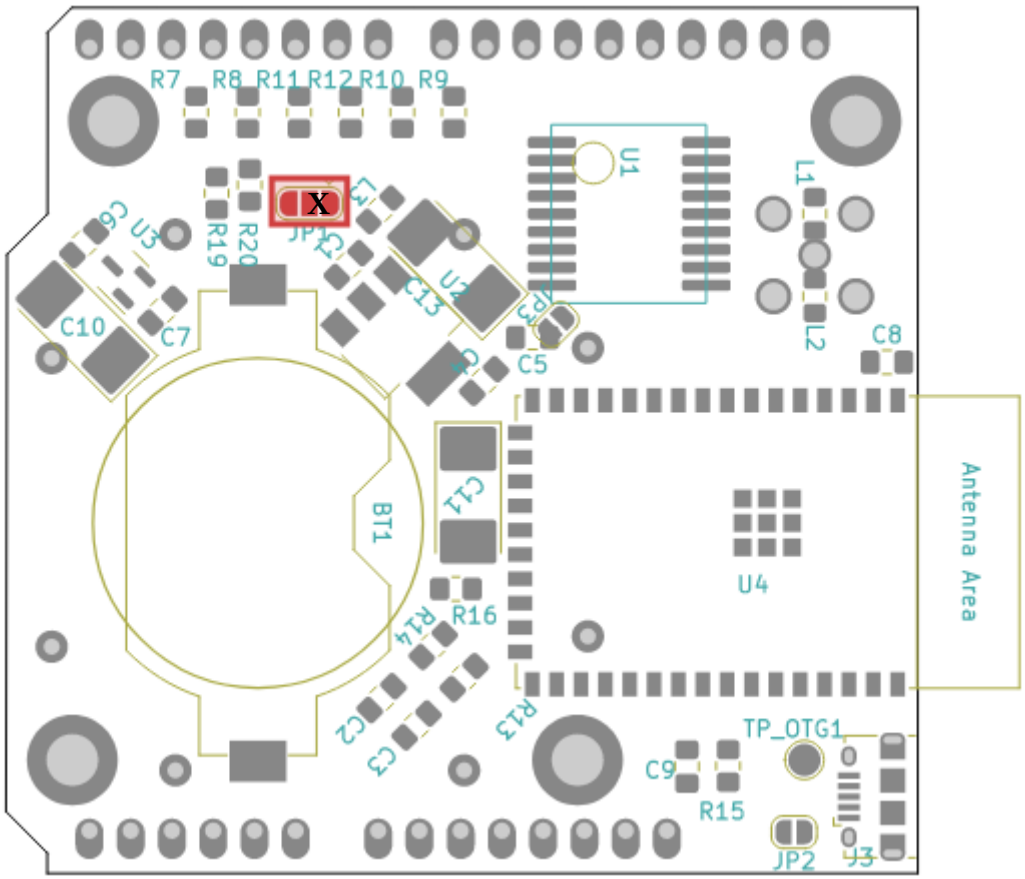
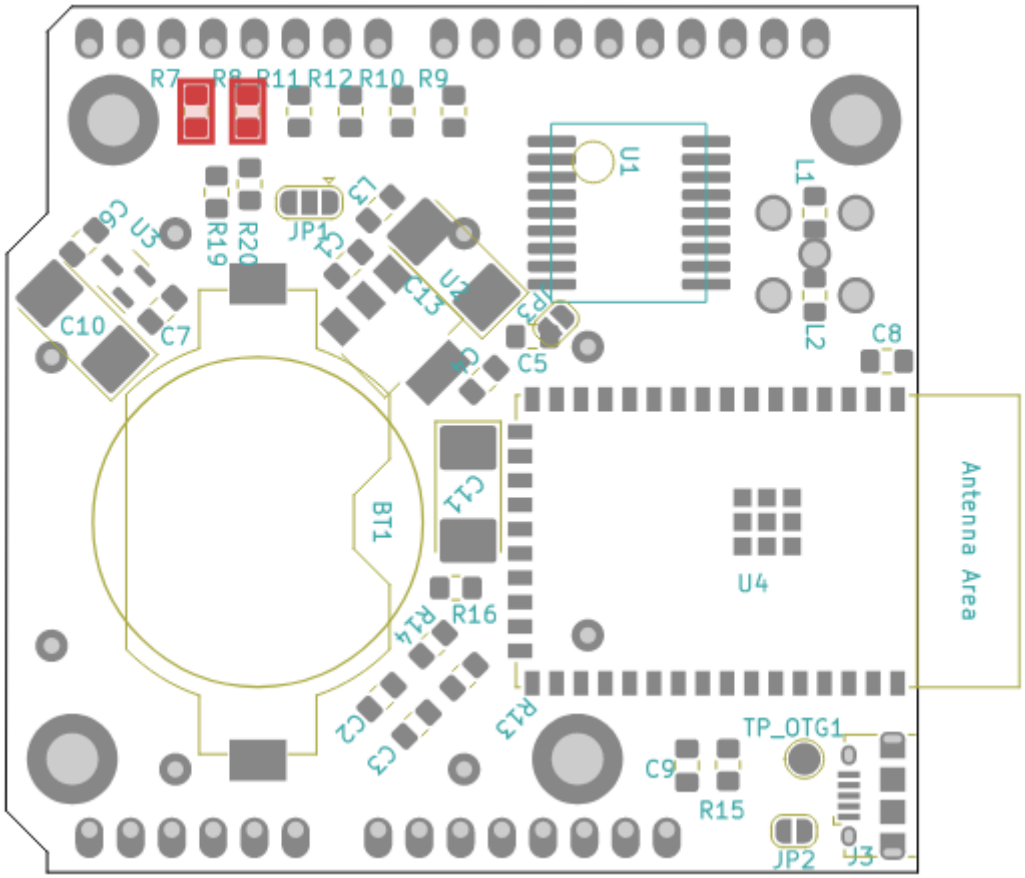
J2 IPEX Connector



L3 400mA Filter Coil



JP1 Connect V_BKUP with VCC



R6/R7 RX/TX Resistor