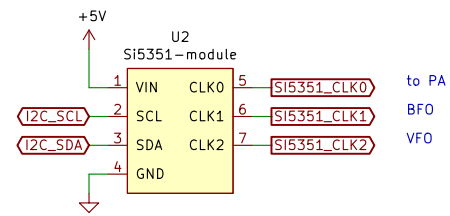
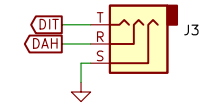
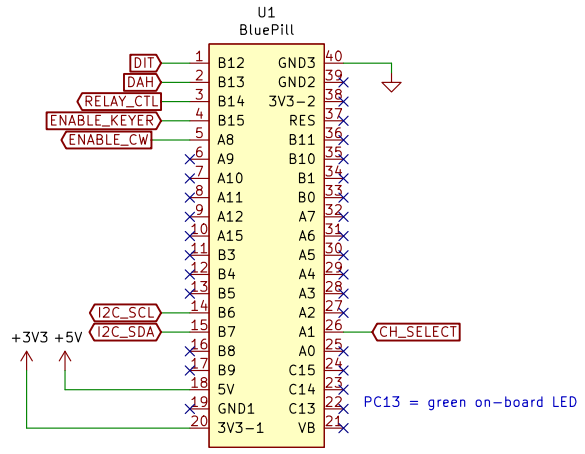
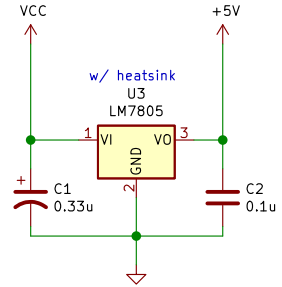
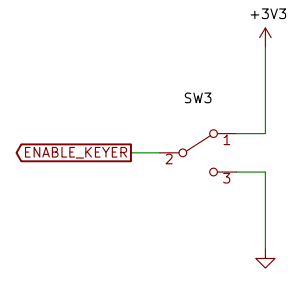
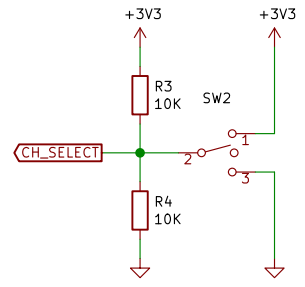


Note: the coil in HFD4/12SR is polarized!
 Make sure pin 1 is connected to VCC
 and pin 8 is pulled to GND. Otherwise
 the relay will not switch.

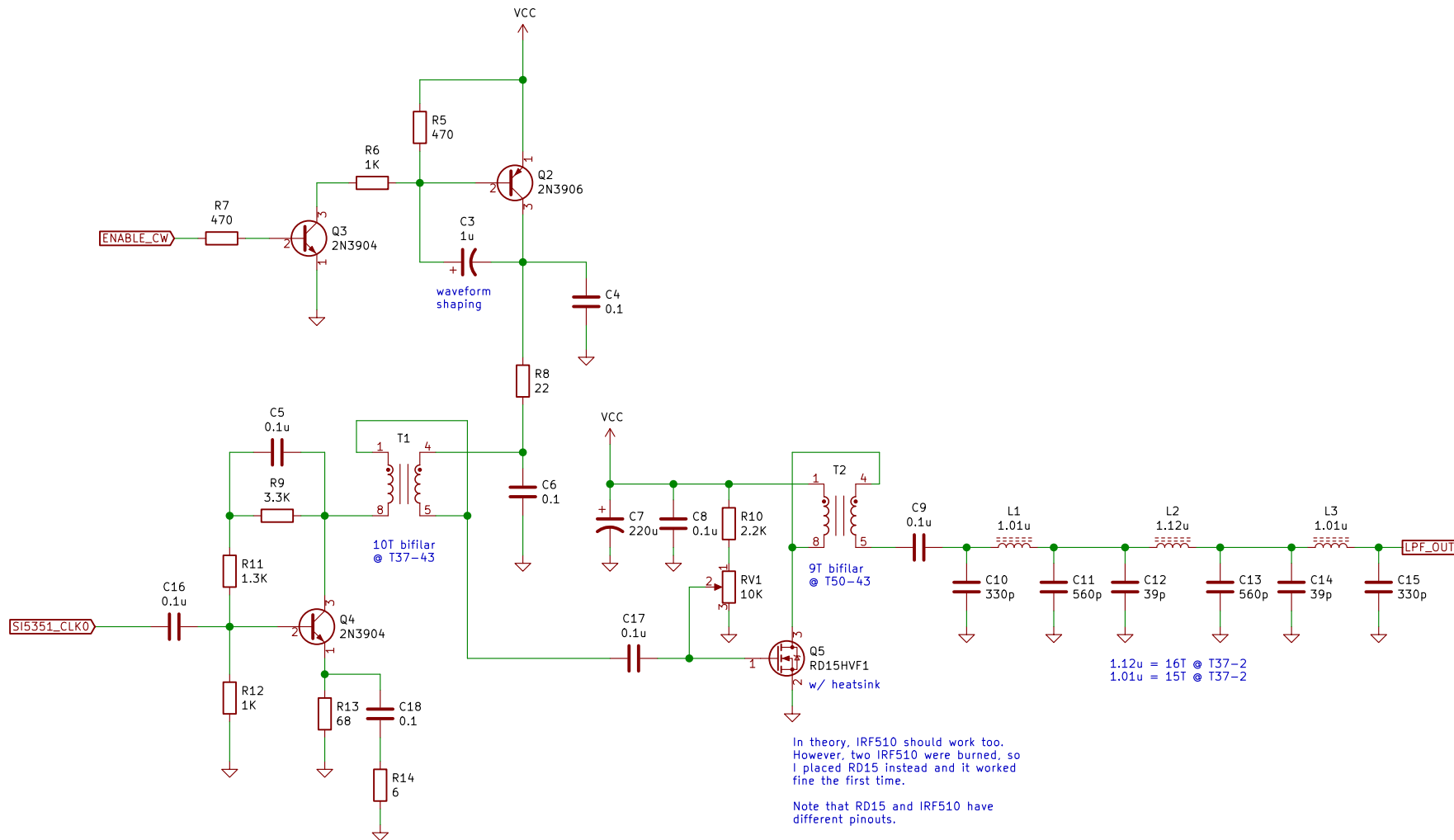
- Sheet: RX1
File: rx1.sch
- Sheet: RX2
File: rx2.sch
- Sheet: TX
File: tx.sch



The module has built-in
 pull-up resistors for I2C.



Sheet: /
 File: ayn-3c.sch
Title: AYN/3C by R2AUK ::: <https://eax.me/ayn-3c-transceiver/>
 Size: A4 Date: 2022-06-11 Rev:
 KiCad E.D.A. kicad (5.1.12-1-10_14) Id: 1/4



waveform shaping

10T bifilar @ T37-43

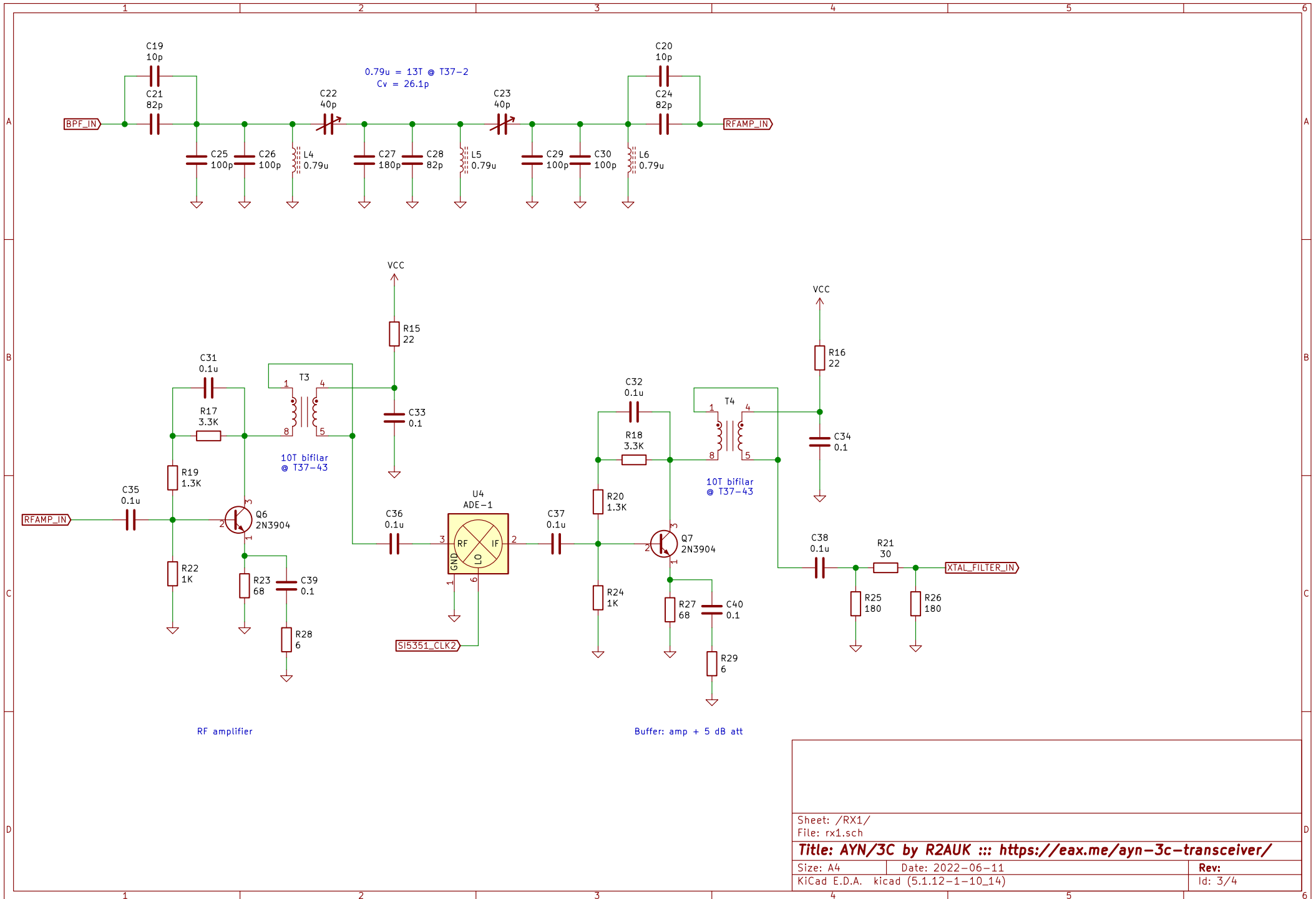
9T bifilar @ T50-43

In theory, IRF510 should work too. However, two IRF510 were burned, so I placed RD15 instead and it worked fine the first time.

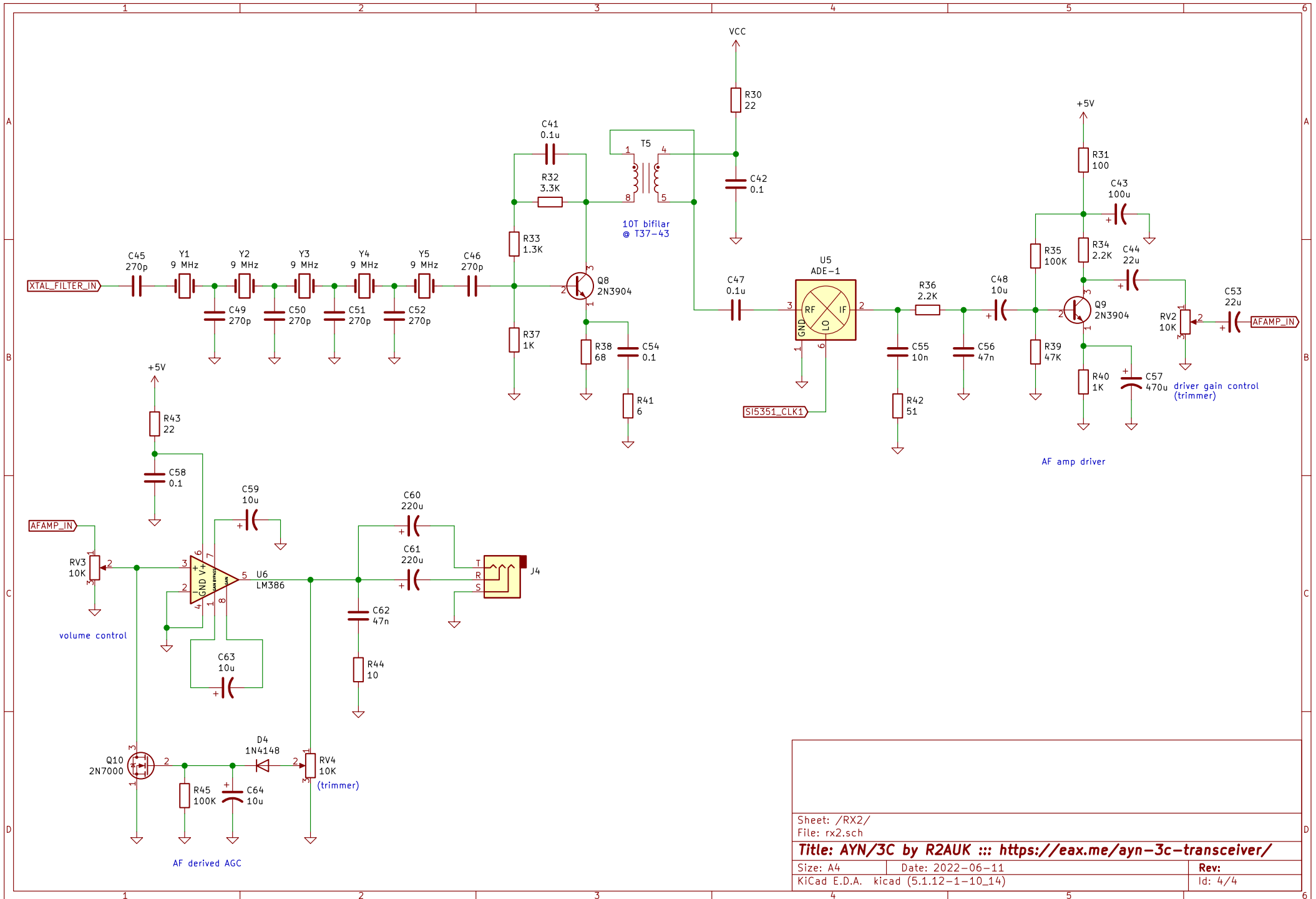
Note that RD15 and IRF510 have different pinouts.

1.12u = 16T @ T37-2
1.01u = 15T @ T37-2

Sheet: /TX/ File: tx.sch		
Title: AYN/3C by R2AUK ::: https://eax.me/ayn-3c-transceiver/		
Size: A4	Date: 2022-06-11	Rev:
KiCad E.D.A. kicad (5.1.12-1-10_14)		Id: 2/4



Sheet: /RX1/		File: rx1.sch	
Title: AYN/3C by R2AUK ::: https://eax.me/ayn-3c-transceiver/			
Size: A4	Date: 2022-06-11	Rev:	
KiCad E.D.A. kicad (5.1.12-1-10_14)	Id: 3/4		



Sheet: /RX2/
File: rx2.sch

Title: AYN/3C by R2AUK ::: <https://eax.me/ayn-3c-transceiver/>

Size: A4 Date: 2022-06-11
KiCad E.D.A. kicad (5.1.12-1-10_14)

Rev:
Id: 4/4