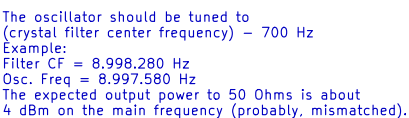


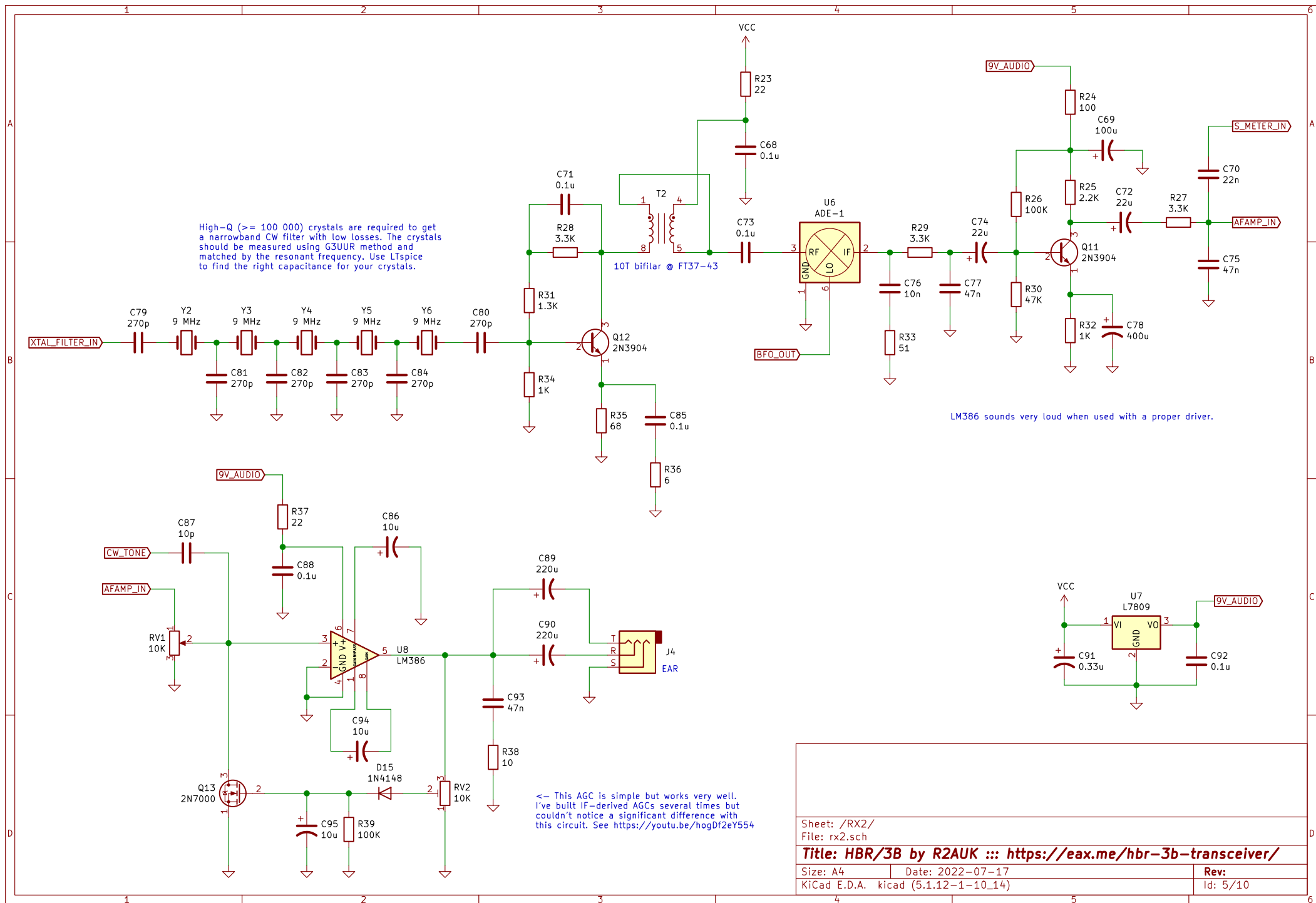
For this project I wanted a clean, well-matched to 50 Ohm, 7 dBm BFO. However, if space is limited, try removing the attenuator and the amplifier, and then – the filter. Chances are everything will work adequately without them.



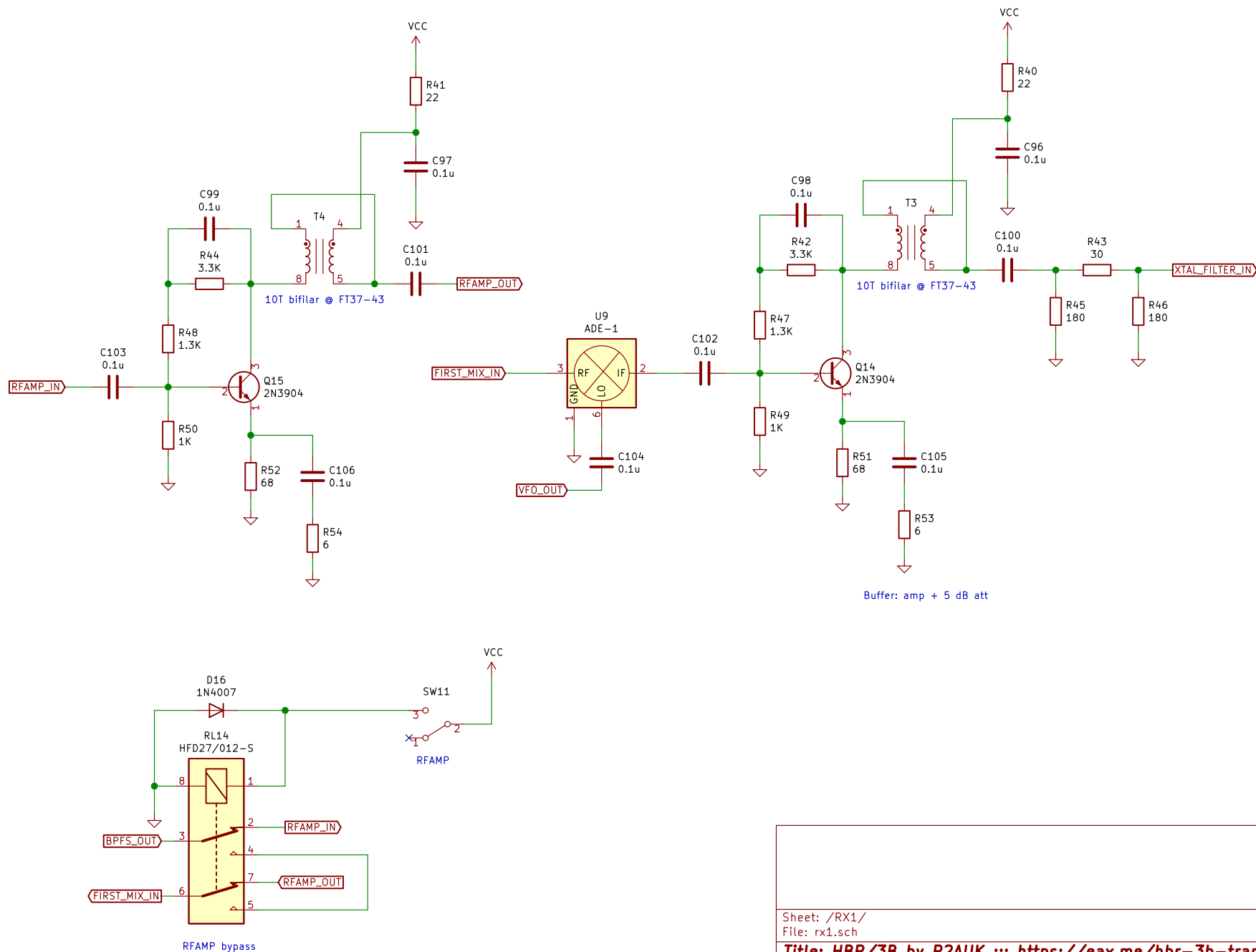
8 dB attenuator. Change if necessary.
The goal is to get about 6–8 dBm after
amplifying and filtering the signal.

9 MHz LPF, 0.1 dB ripple Chebyshev type.
1.14u = 16T @ T50-6
1.27u = 17T @ T50-6

About 7 dBm pure sine wave
well-matched to 50 Ohms.



Sheet: /RX2/			
File: rx2.sch			
Title: HBR/3B by R2AUK ::: https://eax.me/hbr-3b-transceiver/			
Size: A4		Date: 2022-07-17	
KiCad E.D.A. kicad (5.1.12-1-10_14)		Rev: Id: 5/10	

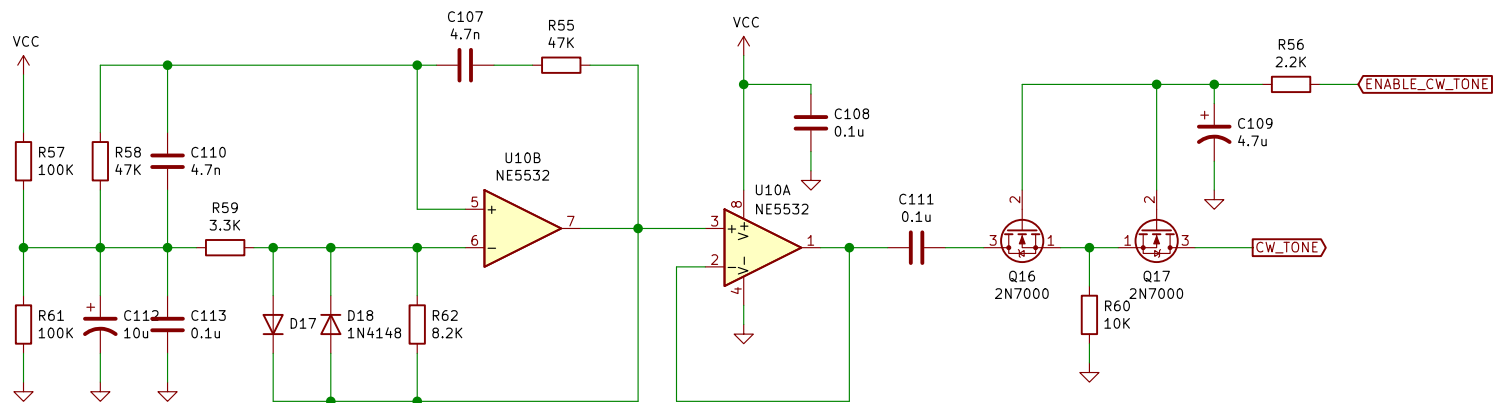


Sheet: /RX1/
File: rx1.sch

Title: HBR/3B by R2AUK ::: <https://eax.me/hbr-3b-transceiver/>

Size: A4 Date: 2022-07-17
KiCad E.D.A. kicad (5.1.12-1-10_14)

Rev:
Id: 6/10



700 Hz Wien bridge oscillator + buffer

Sheet: /CW Tone/
File: cw-tone.sch

Title: HBR/3B by R2AUK ::: <https://eax.me/hbr-3b-transceiver/>

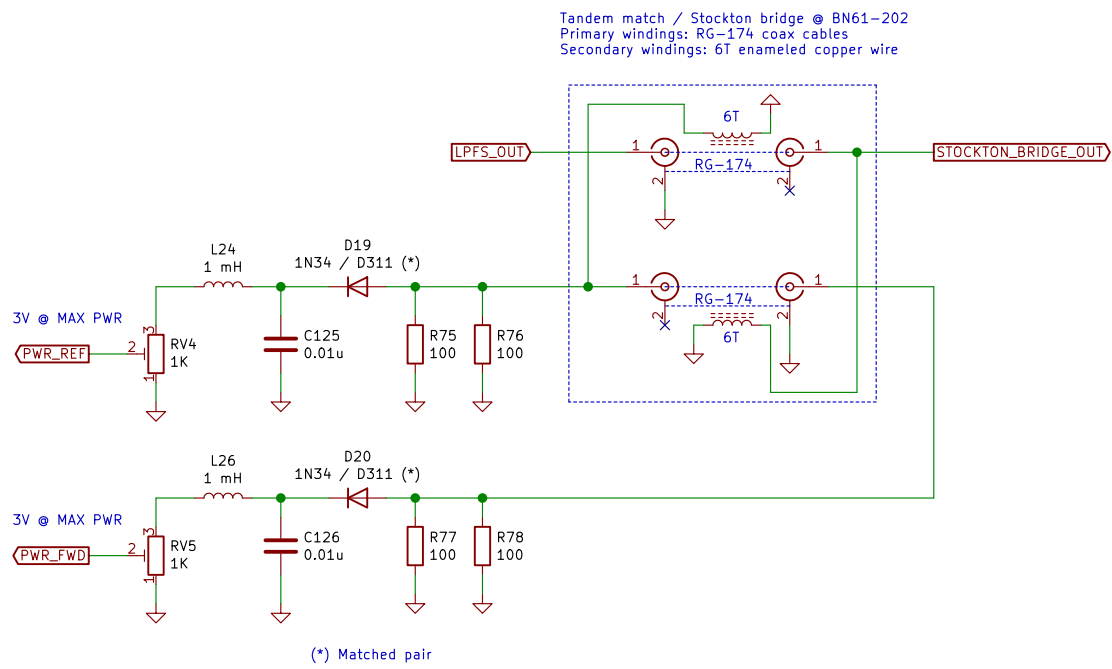
Size: A4 Date: 2022-07-17

KiCad E.D.A. kicad (5.1.12-1-10_14)

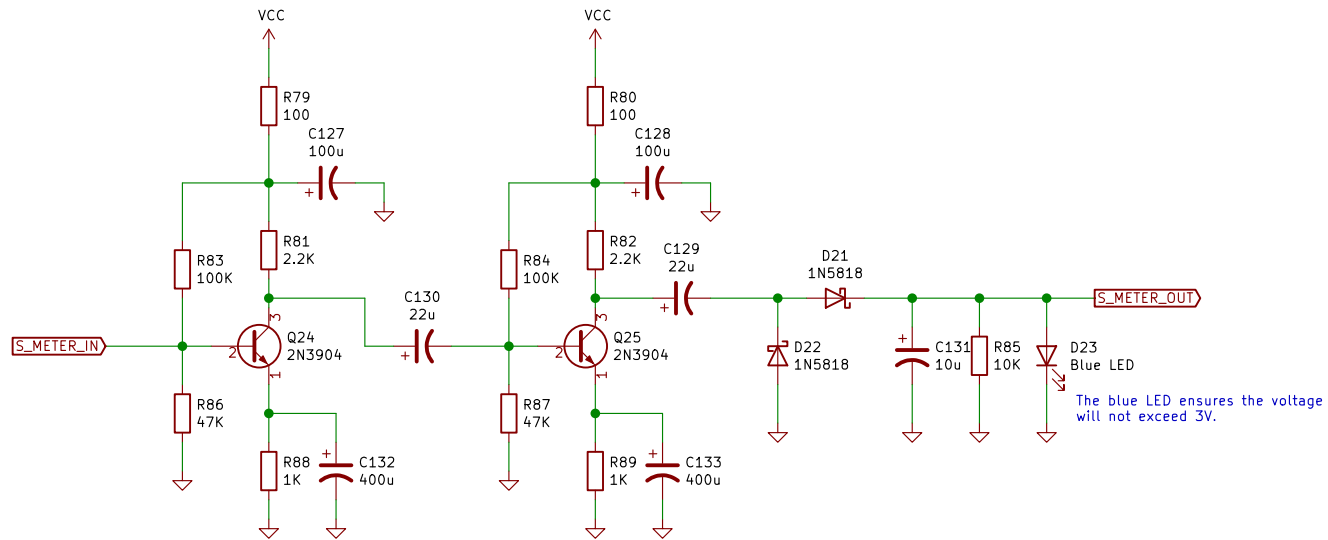
Rev:

Id: 7/10





Sheet: /Stockton Bridge/	
File: stockton-bridge.sch	
Title: HBR/3B by R2AUK ::: https://eax.me/hbr-3b-transceiver/	
Size: A4	Date: 2022-07-17
KiCad E.D.A. kicad (5.1.12-1-10_14)	Rev: 9/10



Sheet: /S Meter/
File: s-meter.sch

Title: HBR/3B by R2AUK ::: <https://eax.me/hbr-3b-transceiver/>

Size: A4 Date: 2022-07-17

KiCad E.D.A. kicad (5.1.12-1-10_14)

Rev:

Id: 10/10