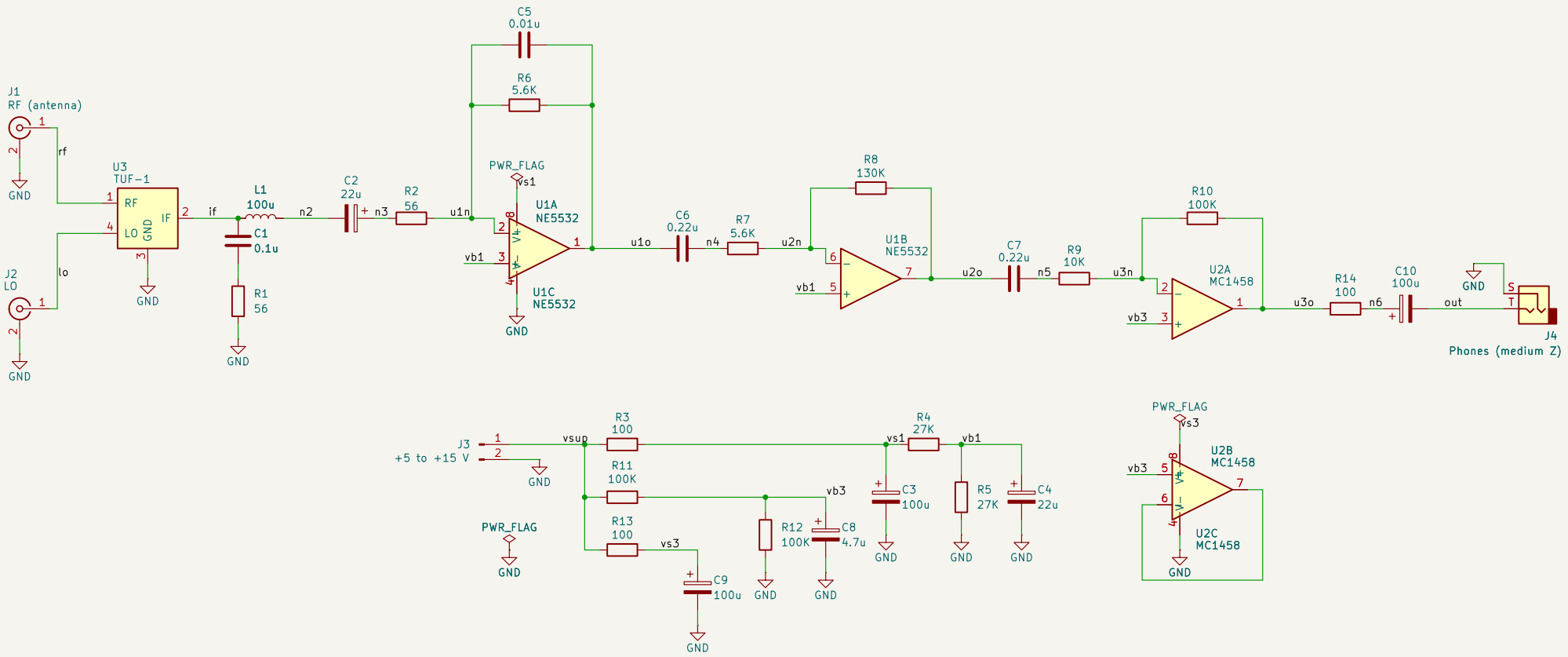


U1 = NE5532 (EMRFD U1, U2); U2 = MC1458 (EMRFD U3; U2B unused, wired as a follower). LM2904 symbol used for both, pinout identical.

Mixer U3 = Mini−Circuits TUF−1. Diplexer at the IF: 0.1 uF + 56 ohm to ground, then 100 uH into the audio chain. About 87 dB gain (EMRFD p. 6.10).

Redrawn for QRPedia by NT7S; J1−J4 added as ports
TUF−1 pinout from the Mini−Circuits TUF−1+ datasheet (case B02)
EMRFD U1, U2 = NE5532 halves (U1A, U1B); EMRFD U3 = MC1458 half (U2A)
Source: EMRFD (Hayward, Campbell, Larkin) Fig 6.29, p. 6.10. Errata: none for p. 6.10
QRPedia Circuit Library

Sheet: /
File: dbm−direct−conversion−rx−40m.kicad_sch

Title: Diode−ring DBM direct−conversion receiver, 40 m

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