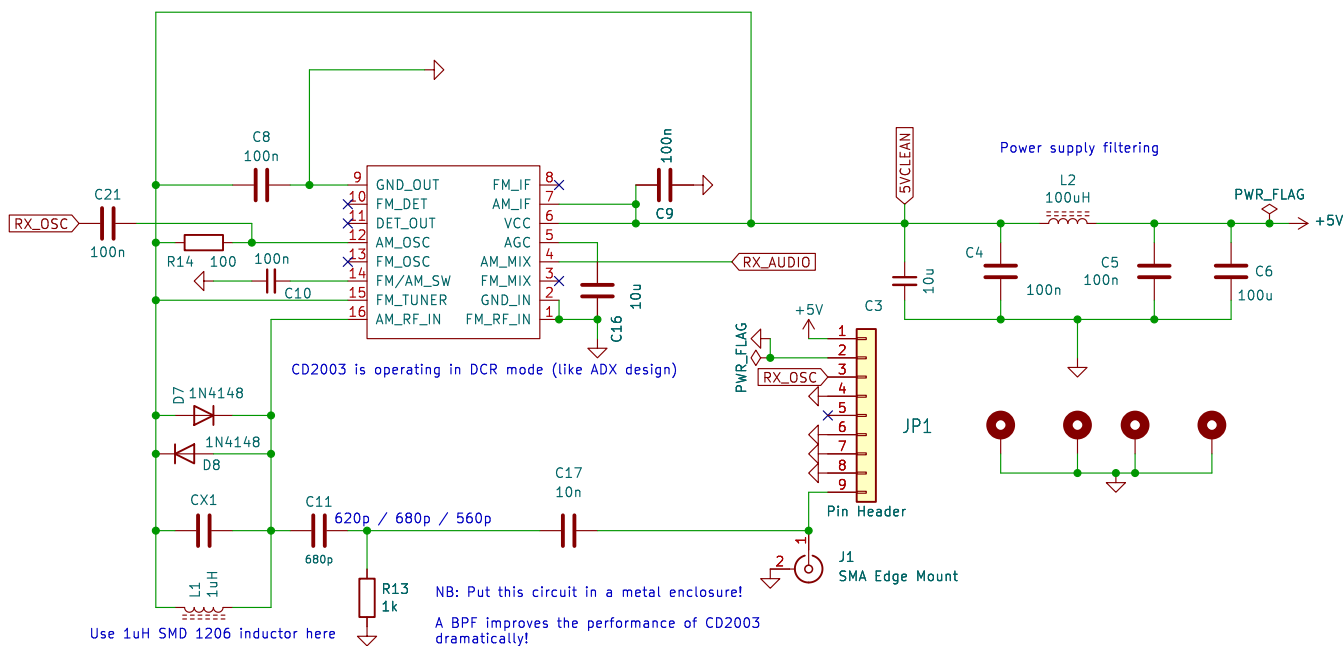


ESD protection: <https://jestineyong.com/bad-am-fm-ic-replaced-in-philips-radio/>



CD2003 is operating in DCR mode (like ADX design)

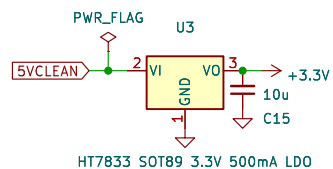
NB: Put this circuit in a metal enclosure!

A BPF improves the performance of CD2003 dramatically!

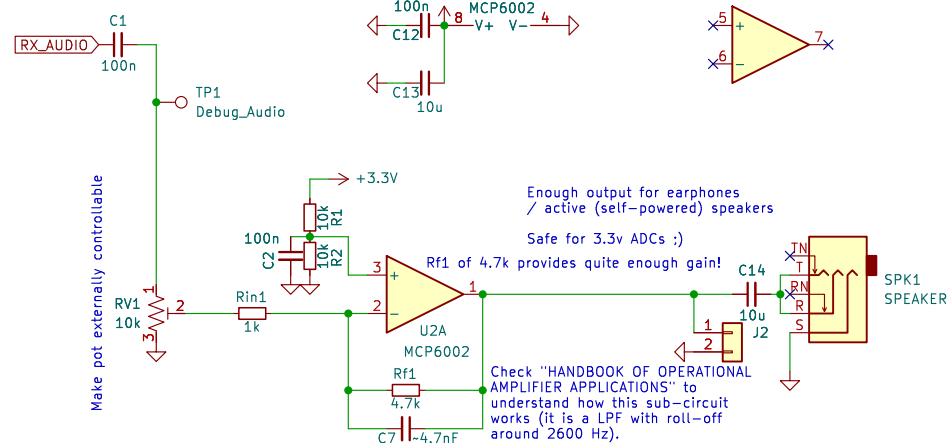
We just need to protect the receiver from overloading due to BCI.

This BPF's only job is to suppress AM and FM BCI. Rest of the selectivity comes from the CD2003 running in DCR mode.

Use 1uH SMD 1206 inductor here



Audio source is around 15mV to 100mV



Based on ADX and ADX-S designs

Dhiru Kholia (VU3CER)

Sheet: /

File: BoB.kicad_sch

Title: Breakout board (BoB) for CD2003 (DCR Mode)

Size: User

Date: 2023-09-03

Rev: v2.03

KiCad E.D.A. kicad 7.0.7-7.0.7-ubuntu22.04.1

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