

	1	2	3	4	5	6
A						A
B						B
C						C
D						D
	1	2	3	4	5	6

Sheet: input

File: input.sch

Sheet: power supply

File: ps.sch

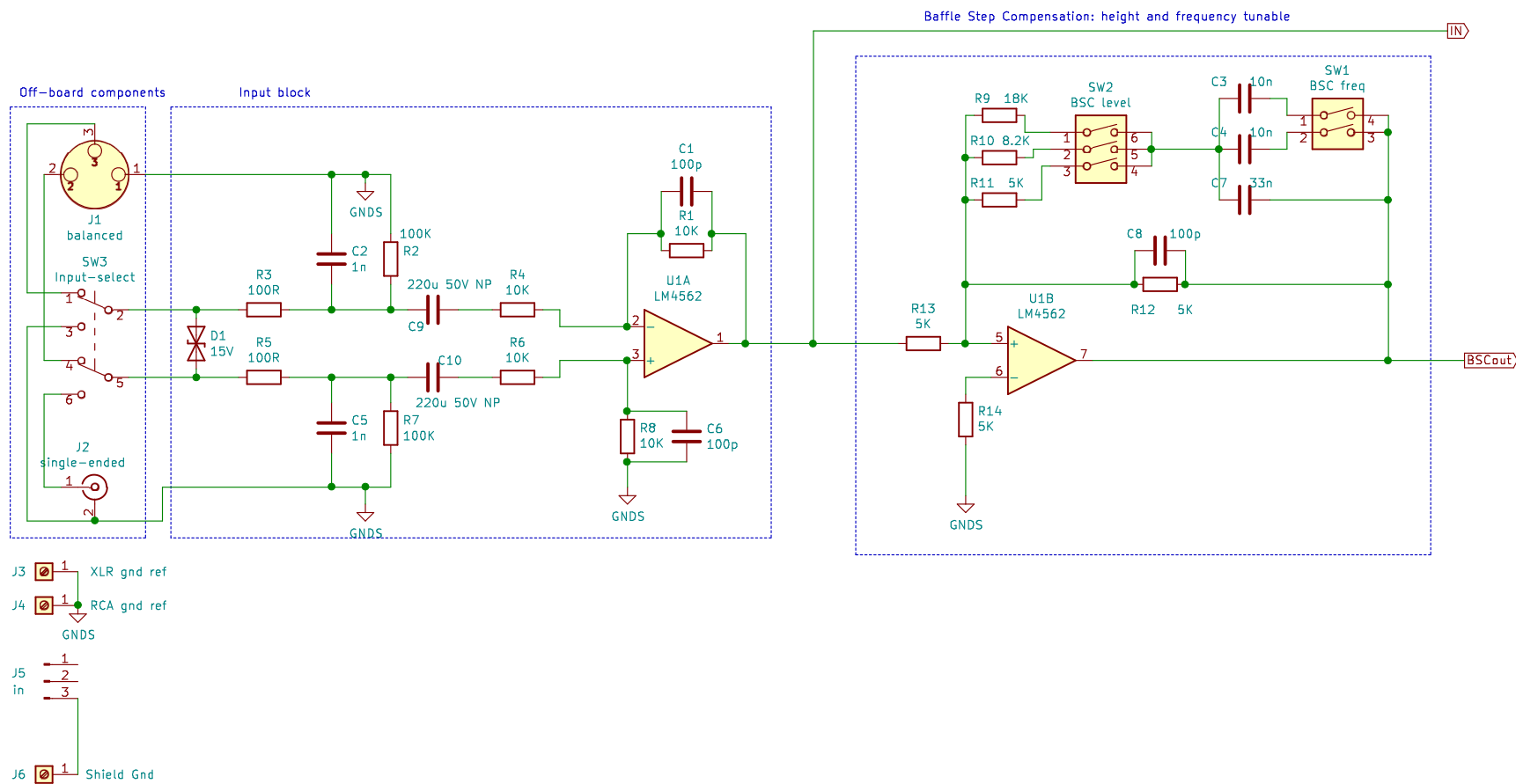
Sheet: HF branch

File: hf.sch

Sheet: LF branch

File: lf.sch

2-way LF active crossover by Shuvam Misra is licensed under CC BY 4.0CC Licence terms: https://creativecommons.org/licenses/by/4.0/ Conventional 4th order analog active crossover, with LT and BSC, no allpass delay filters Designed for low frequency xo use-cases, 100–300Hz, but can be used at any Fc		
Sheet: / File: 2-way-woofer-mid-xo.sch		
Title: 2-way LF active xo		
Size: A4	Date: 15 May 2020	Rev: 0.1
KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1		Id: 1/5



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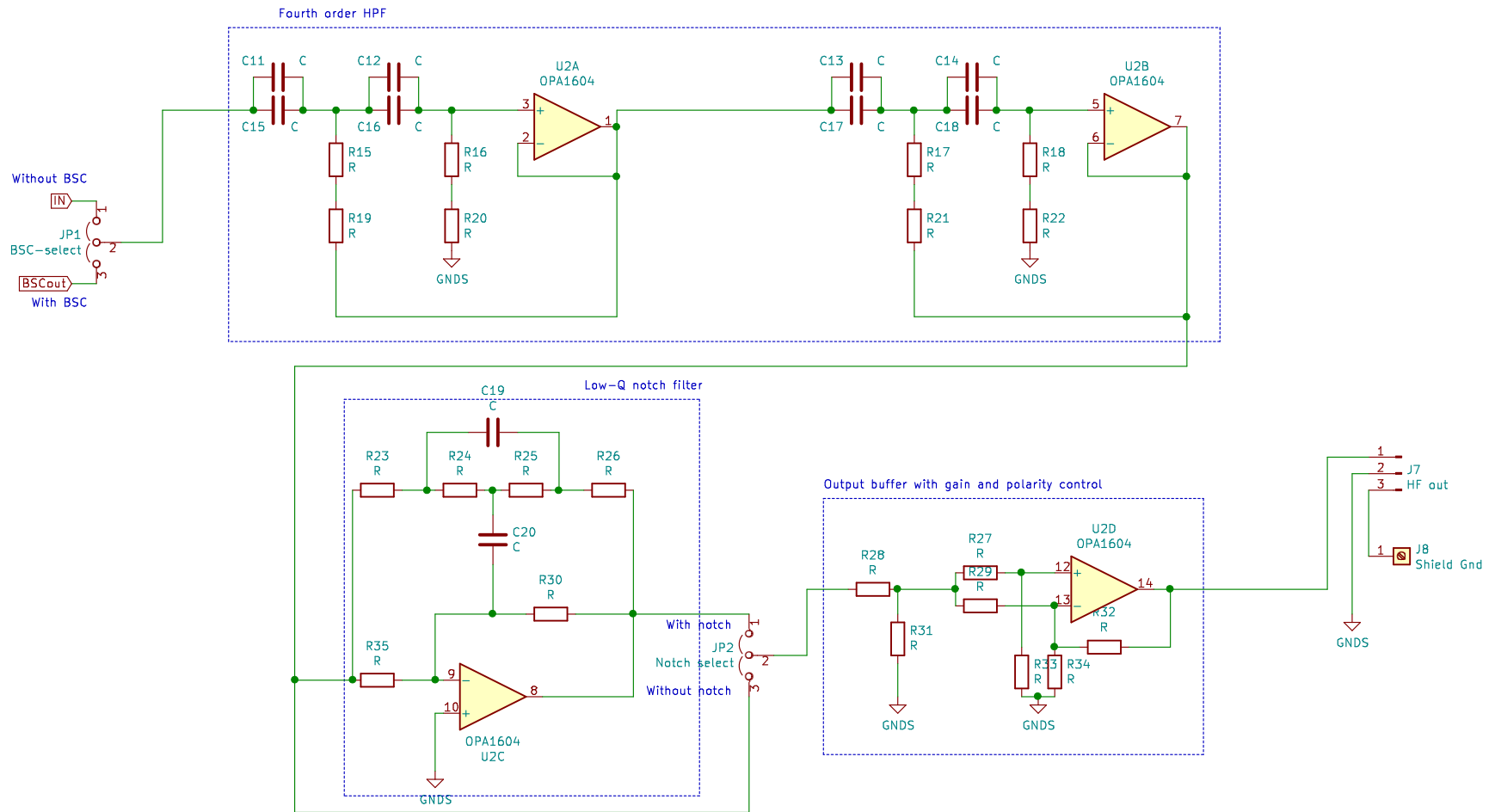
Accept balanced or single-ended analog input, filter RF, block DC, and apply BSC.

Sheet: /input/
 File: input.sch

Title: 2-way LF active xo

Size: A4 Date: 15 May 2020
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Rev: 0.1
 Id: 2/5



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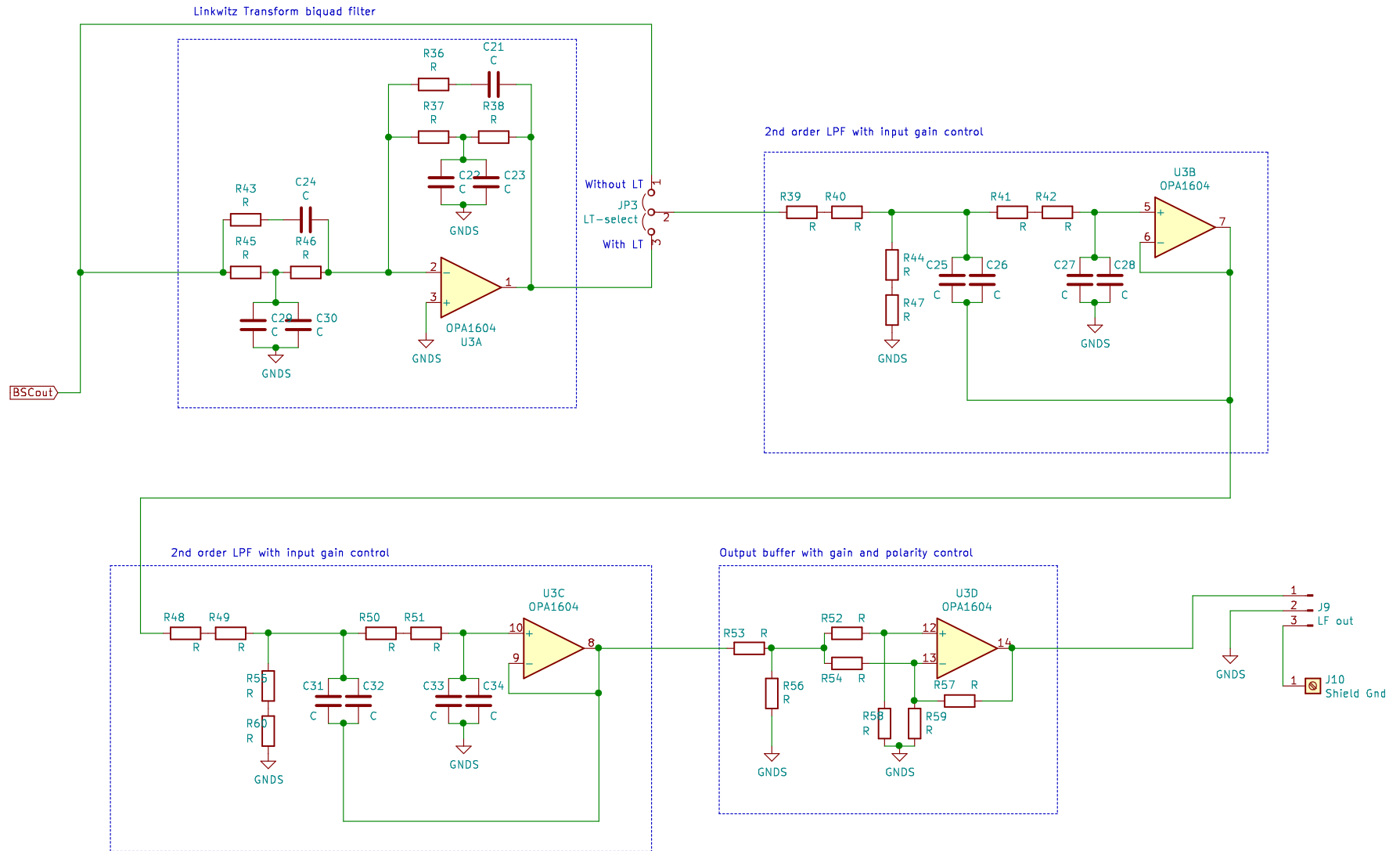
HF branch: 4th order HPF and output buffer with gain control

Sheet: /HF branch/
File: hf.sch

Title: 2-way LF active xo

Size: A4 Date: 15 May 2020
KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1

Rev: 0.1
Id: 3/5



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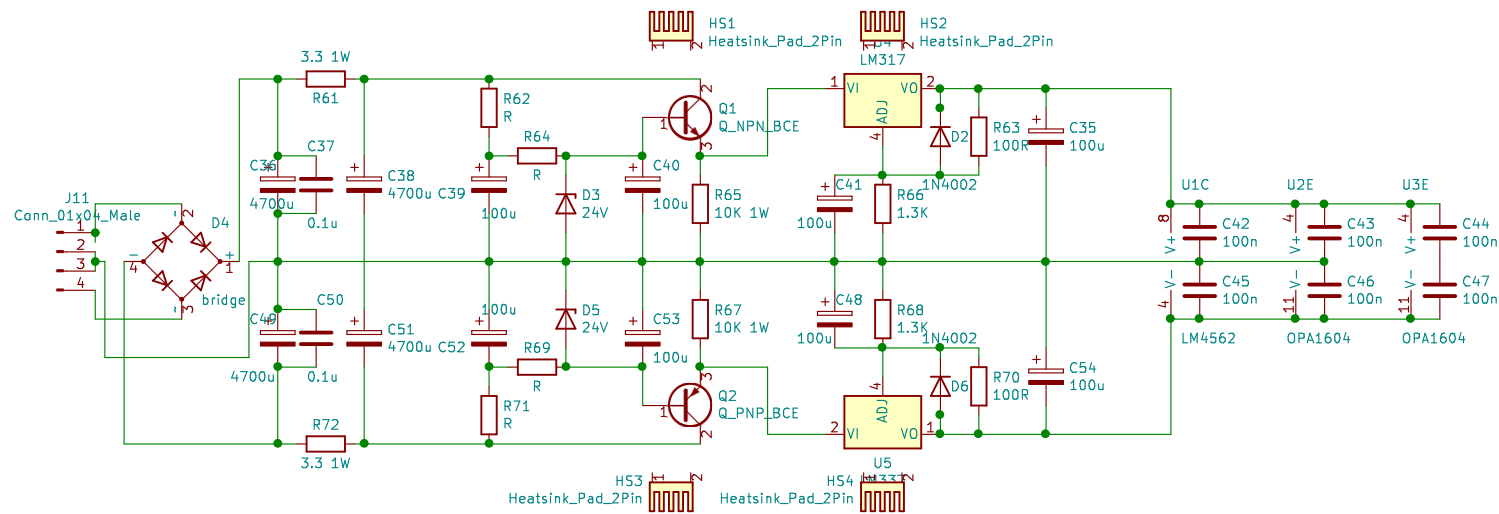
Optional LT, 4th order LPF, output buffer with variable gain

Sheet: /LF branch/
File: lf.sch

Title: 2-way LF active xo

Size: A4 Date: 15 May 2020
KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1

Rev: 0.1
Id: 4/5



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Accept 15-0-15VAC, rectify, smoothing caps using pi filter, then voltage regulators

Sheet: /power supply/
File: ps.sch

Title: 2-way LF active xo

Size: A4 Date: 15 May 2020
KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1

Rev: 0.1
Id: 5/5