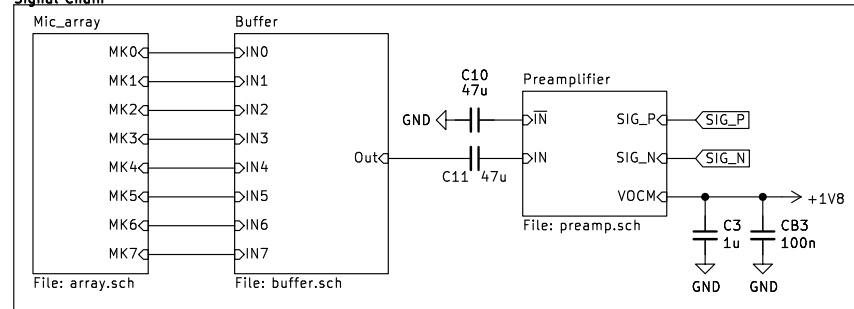
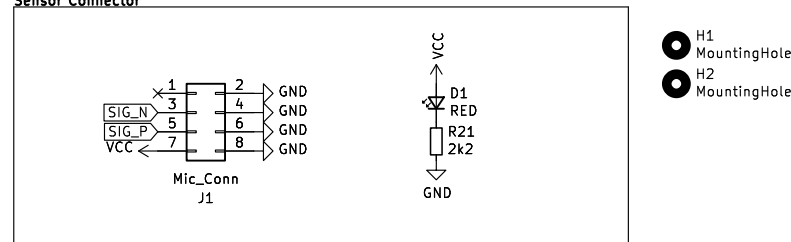


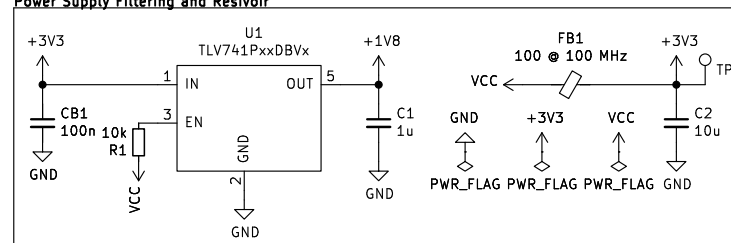
Signal Chain



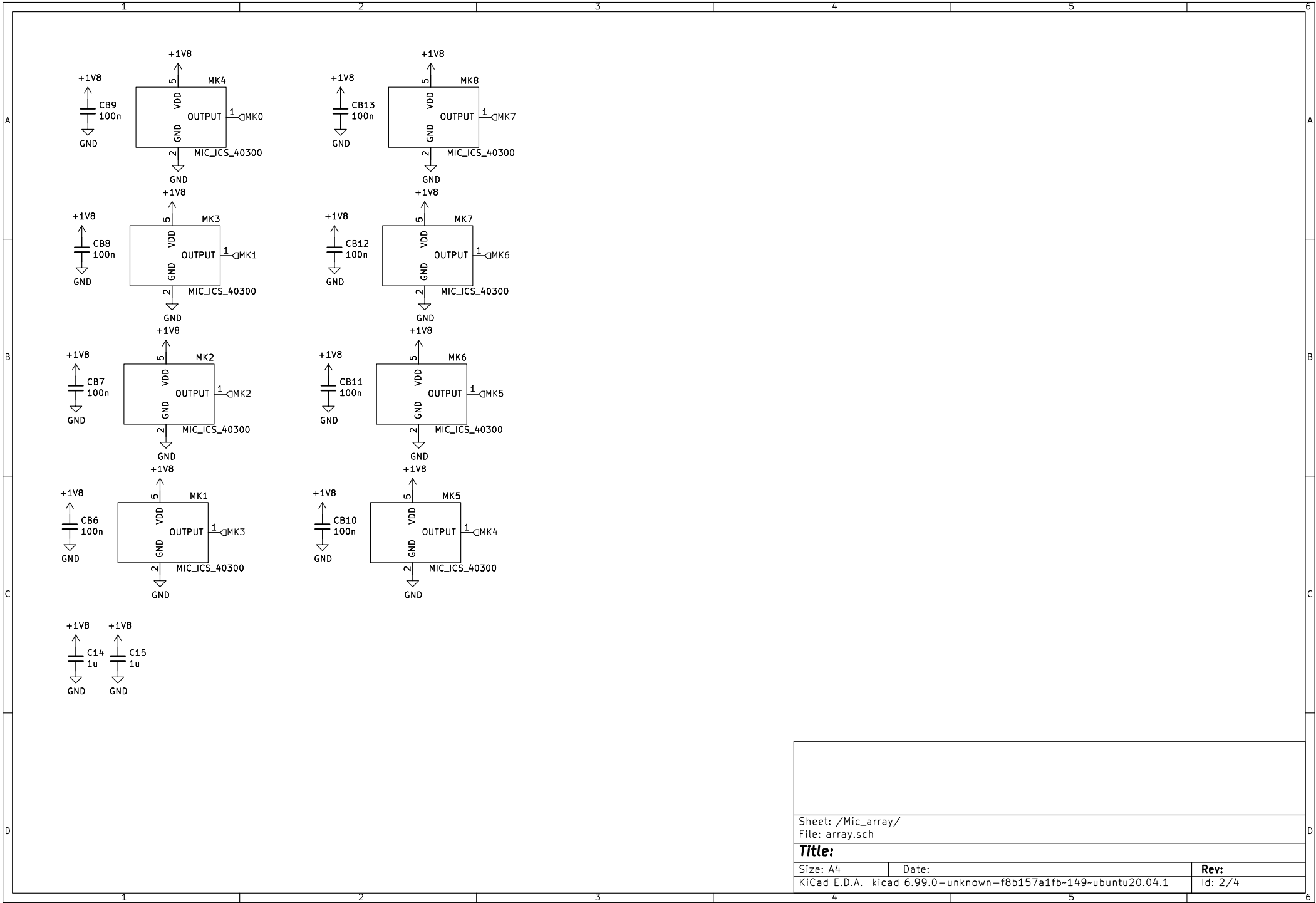
Sensor Connector



Power Supply Filtering and Reservoir



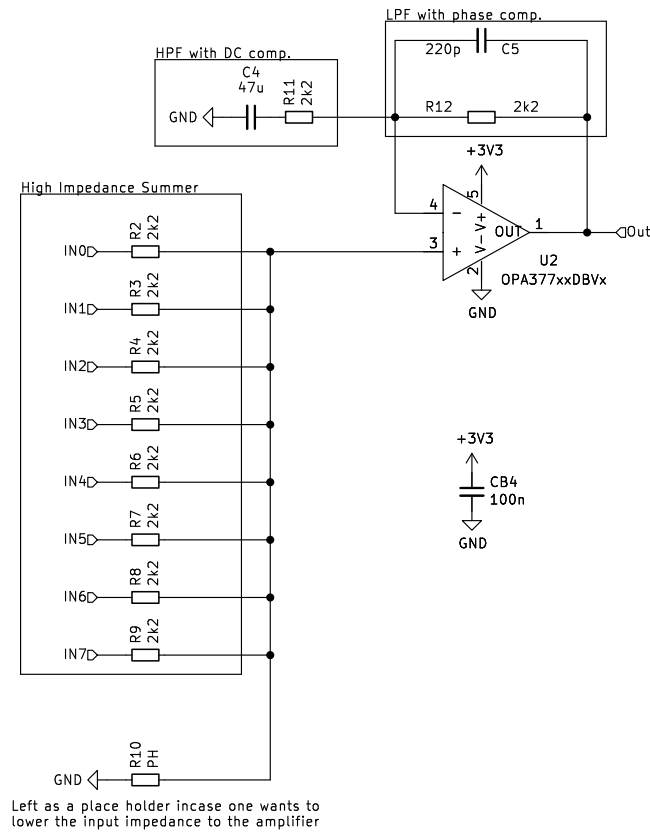
CM Geldenhuys		
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Title: Microphone Board		
Size: A4	Date: 2020-10-14	Rev: Rev. B
KiCad E.D.A. kicad 6.99.0-unknown-f8b157a1fb-149-ubuntu20.04.1		Id: 1/4



Sheet: /Mic_array/ File: array.sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 6.99.0-unknown-f8b157a1fb-149-ubuntu20.04.1		Id: 2/4

Buffer + Summer Amplifier =====

Meant to drive the differential stage as to not load the microphone elements. As a benefit the buffer is used as a active summer with unity gain. There is also DC compensation cap to allow single supply usage. Along with a first order LPF to remove high frequency noise and compensate for phase.



Sheet: /Buffer/
File: buffer.sch

Title:

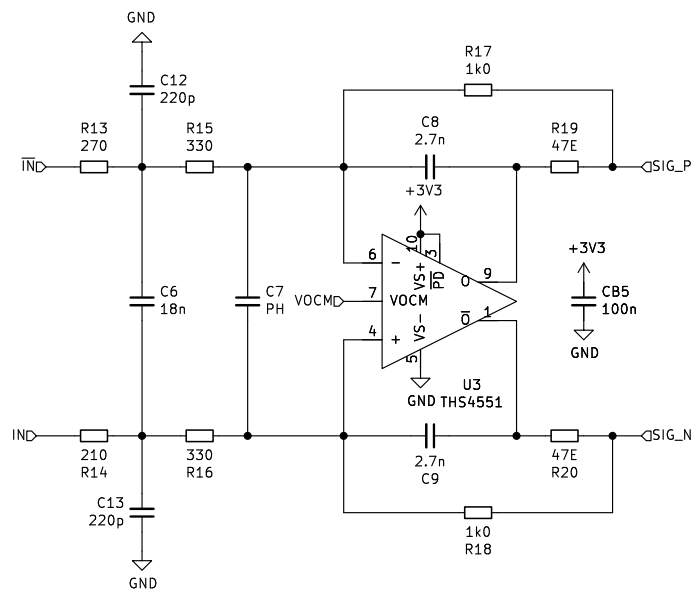
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Rev:

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Id: 3/4



Sheet: /Preamplifier/
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Title:

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Date:

Rev:

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