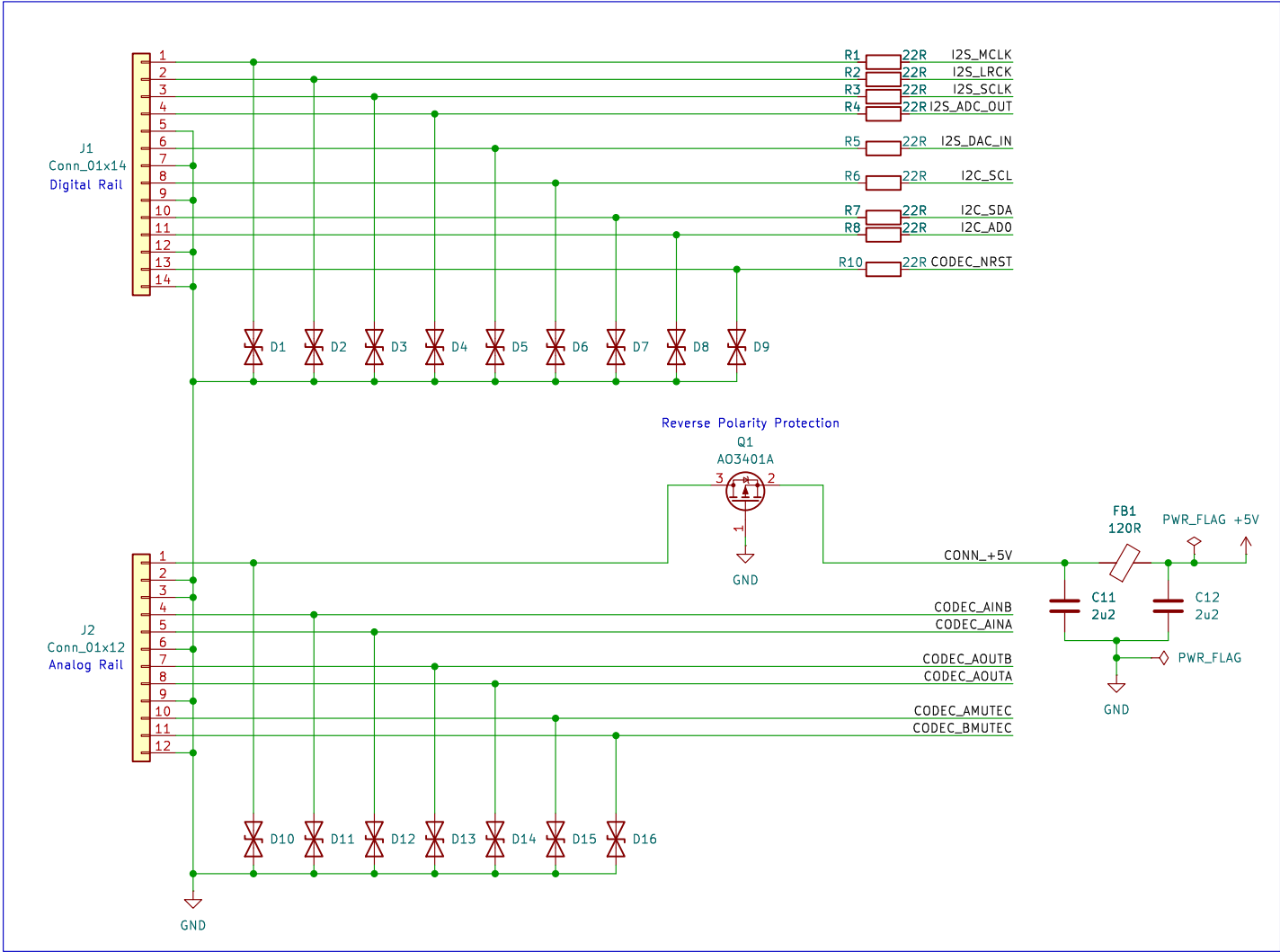
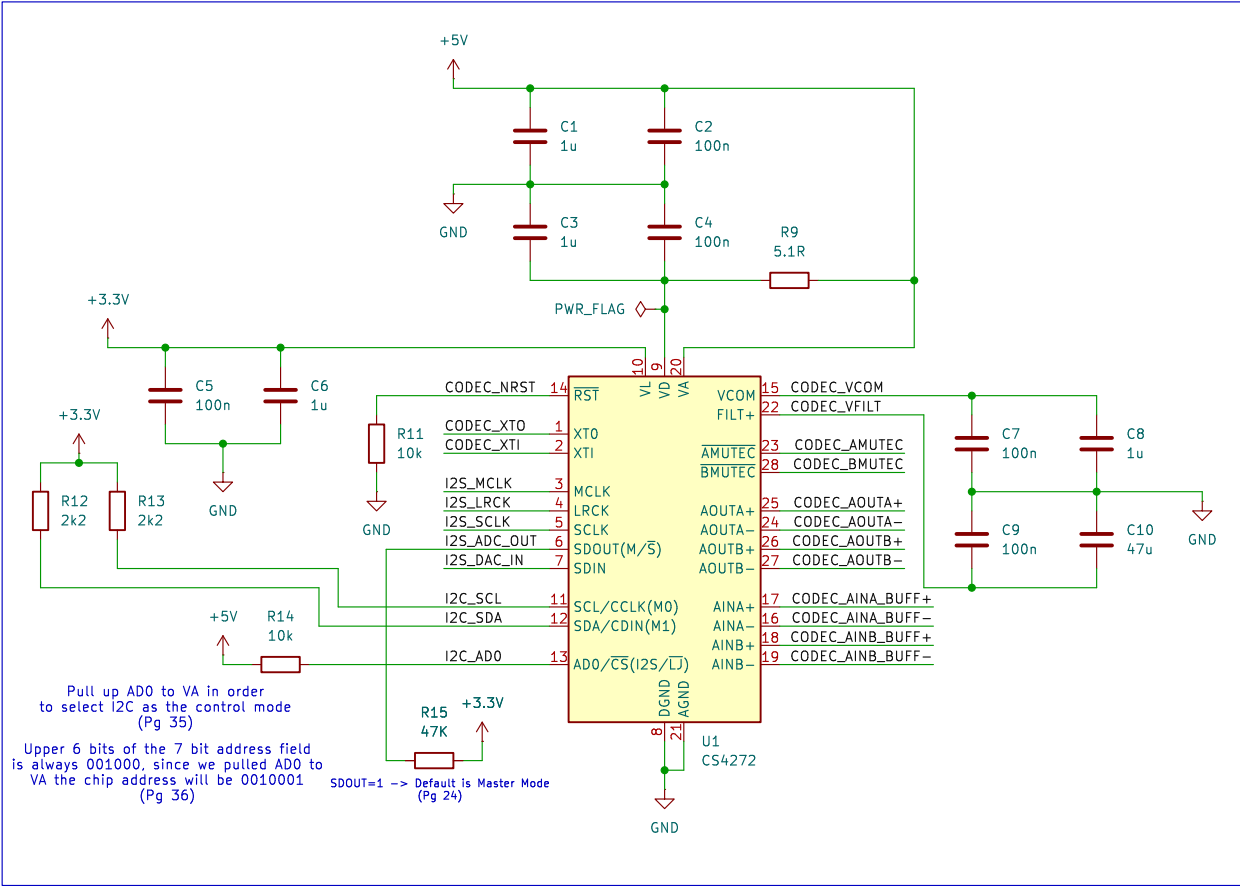


# CS4272-CZZ Breakout Board

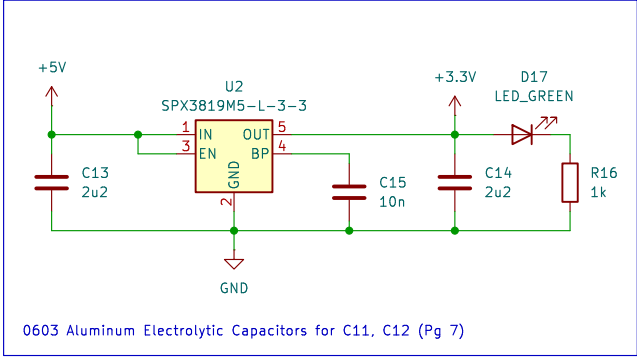
## Connectors



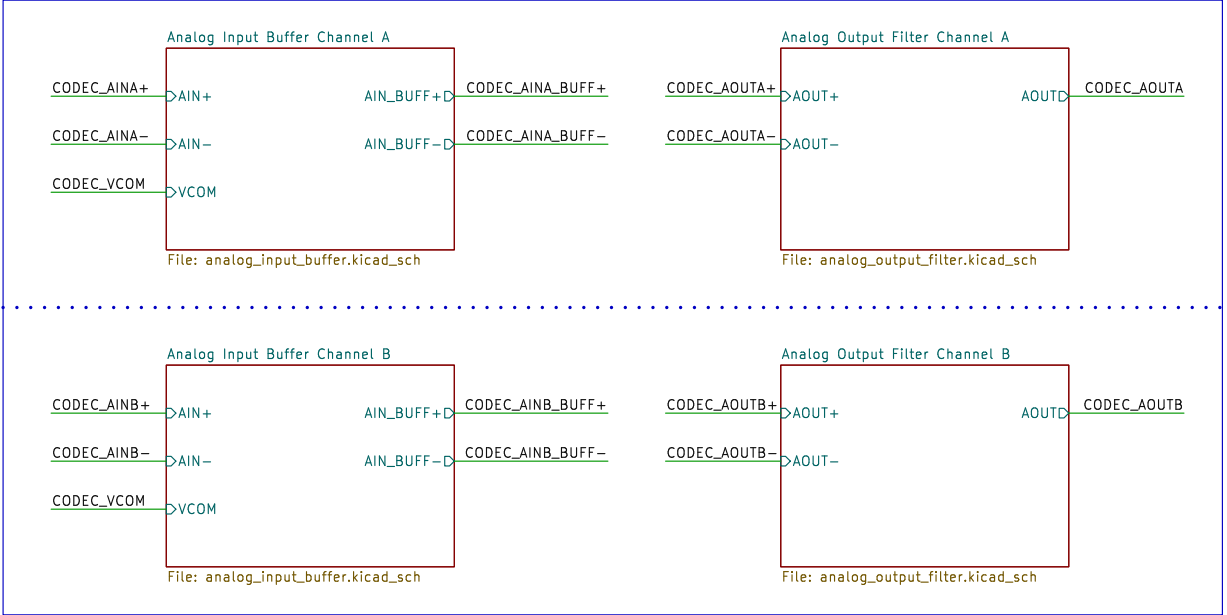
## Audio Codec



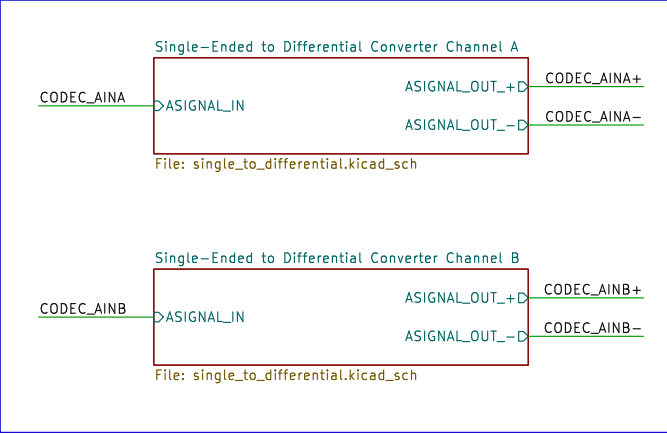
## Power



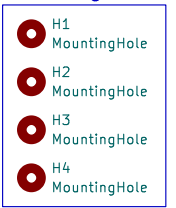
## Analog Frontend/Backend



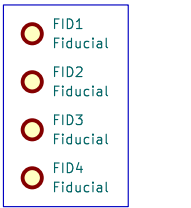
## Single-Ended to Differential Converter



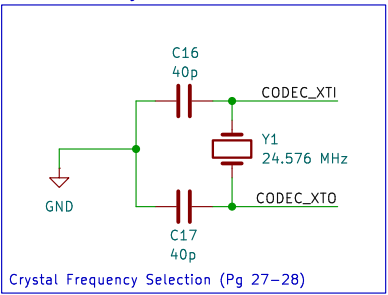
## Mounting Holes



## Fiducial Markers



## External Crystal



Sheet: /  
File: CS4272-CZZ\_Breakout\_Board.kicad\_sch

## Title:

Size: A3

Date:

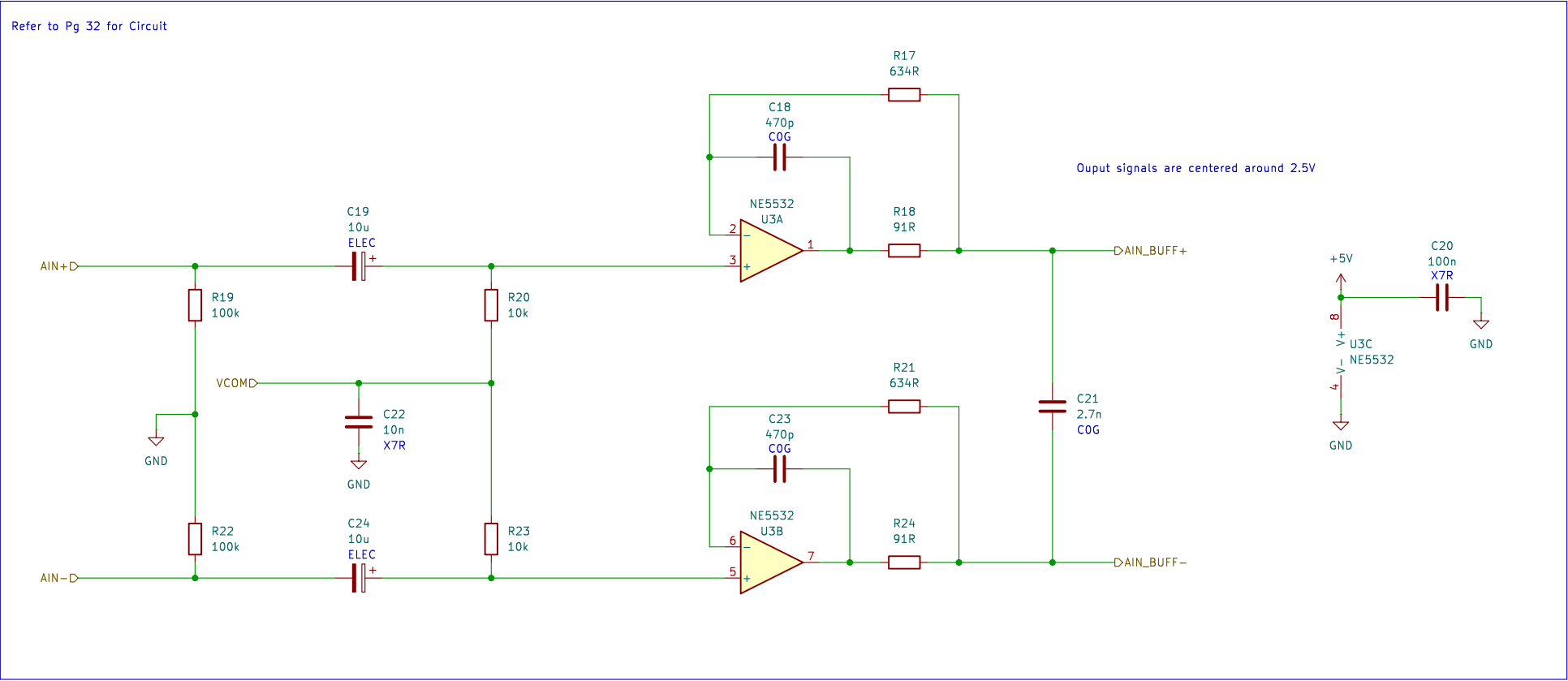
Rev:

KiCad E.D.A. 8.0.4

Id: 1/7

Analog Input Buffer

Refer to Pg 32 for Circuit



Sheet: /Analog Input Buffer Channel A/  
File: analog\_input\_buffer.kicad\_sch

Title:

Size: A4

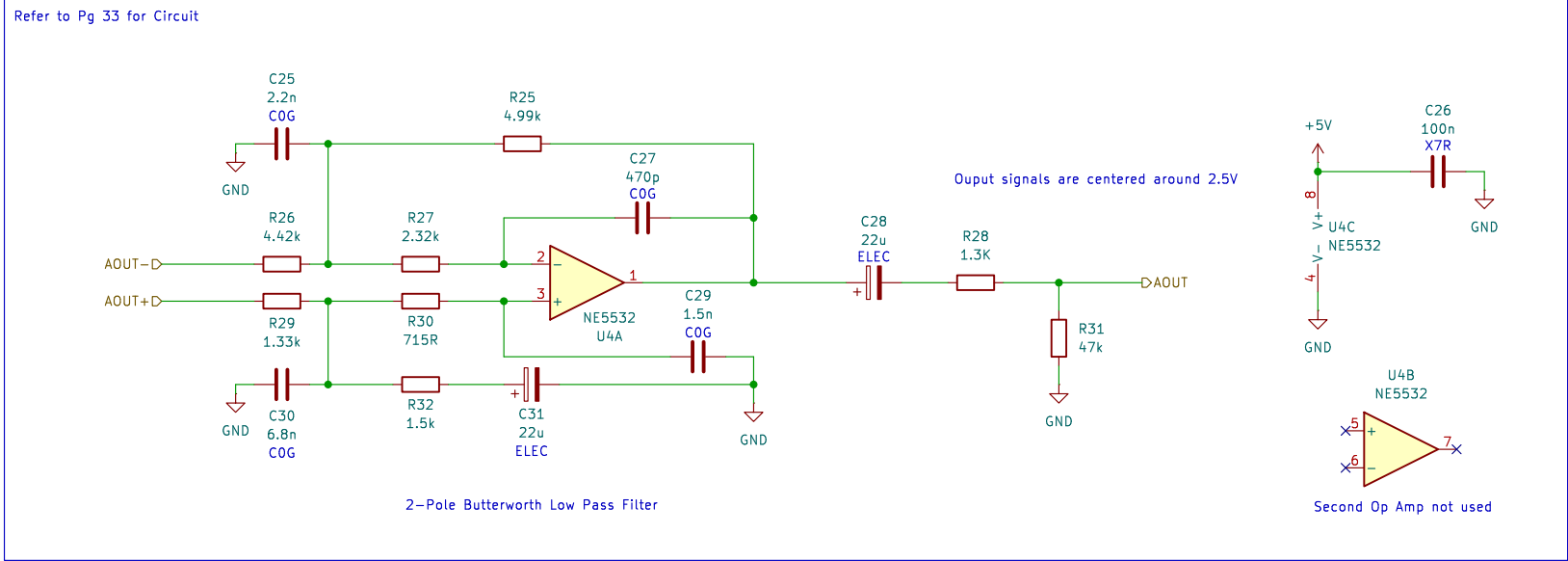
Date:

KiCad E.D.A. 8.0.4

Rev:

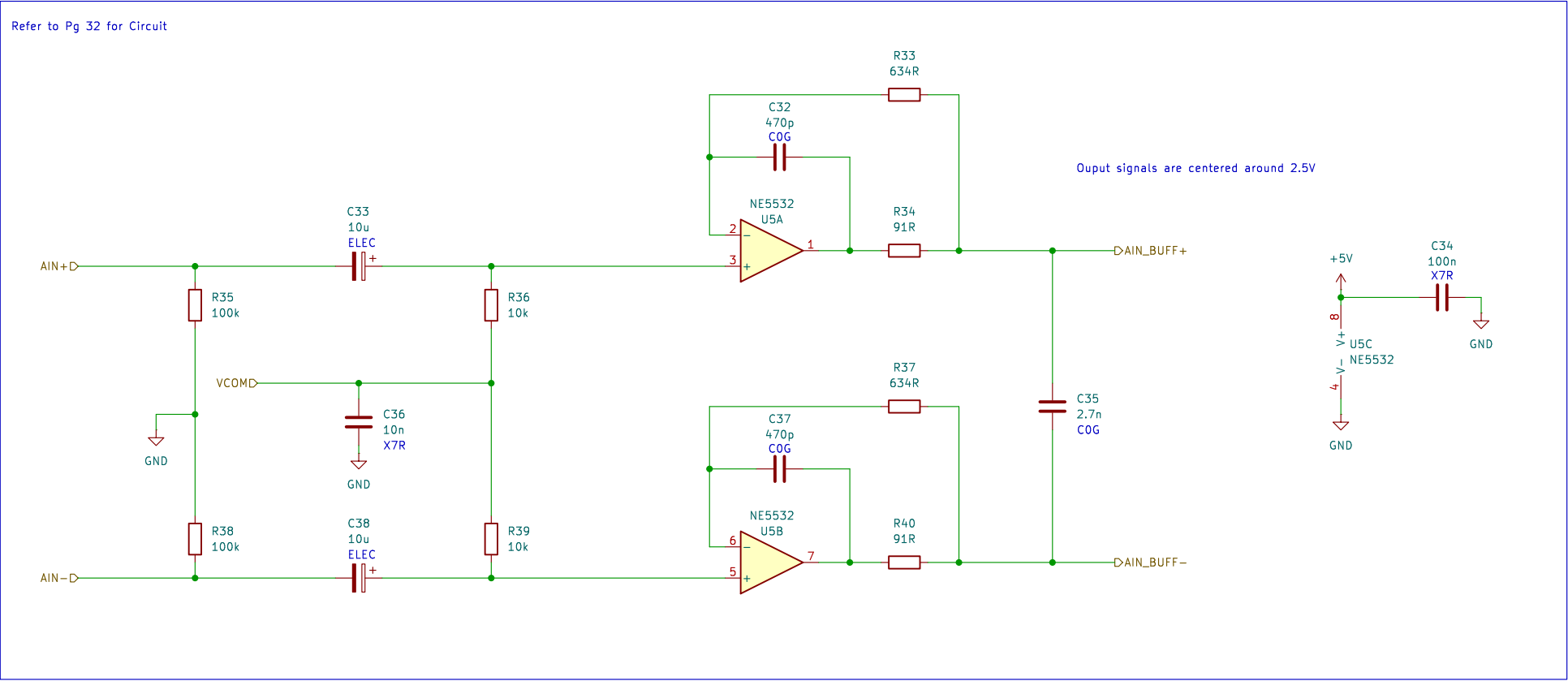
Id: 2/7

Analog Output Filter



Analog Input Buffer

Refer to Pg 32 for Circuit



Sheet: /Analog Input Buffer Channel B/  
File: analog\_input\_buffer.kicad\_sch

Title:

Size: A4

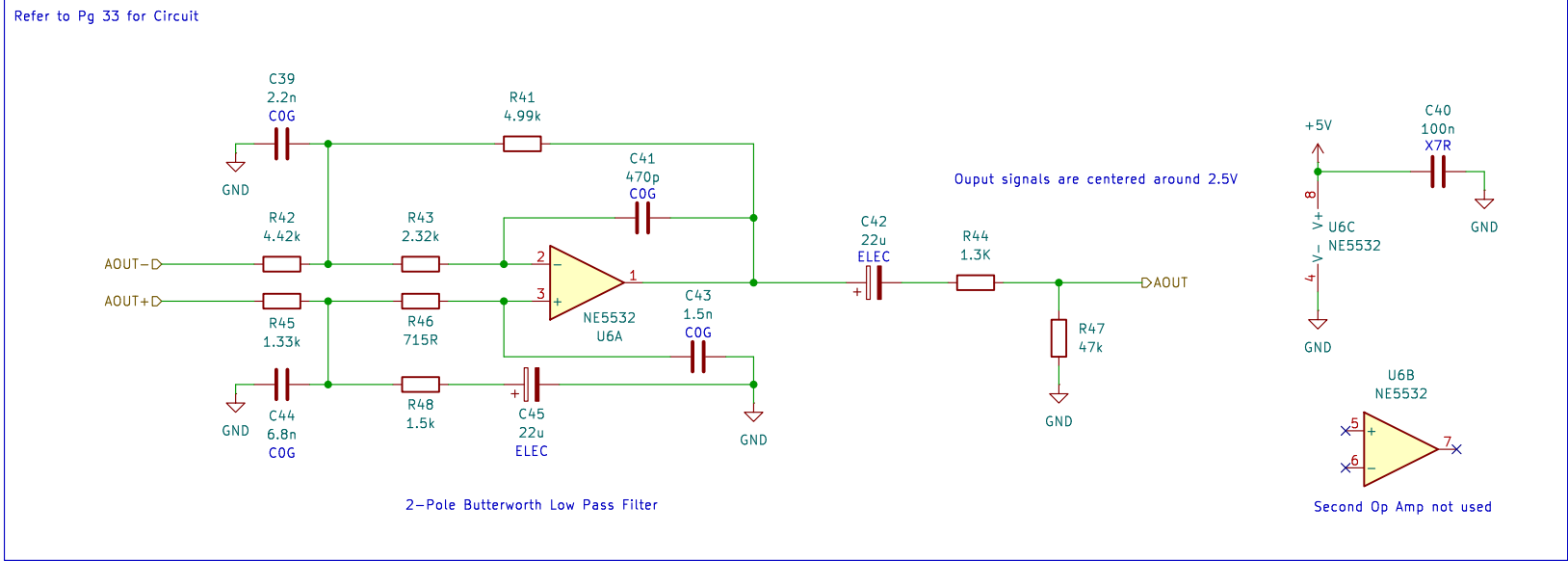
Date:

KiCad E.D.A. 8.0.4

Rev:

Id: 4/7

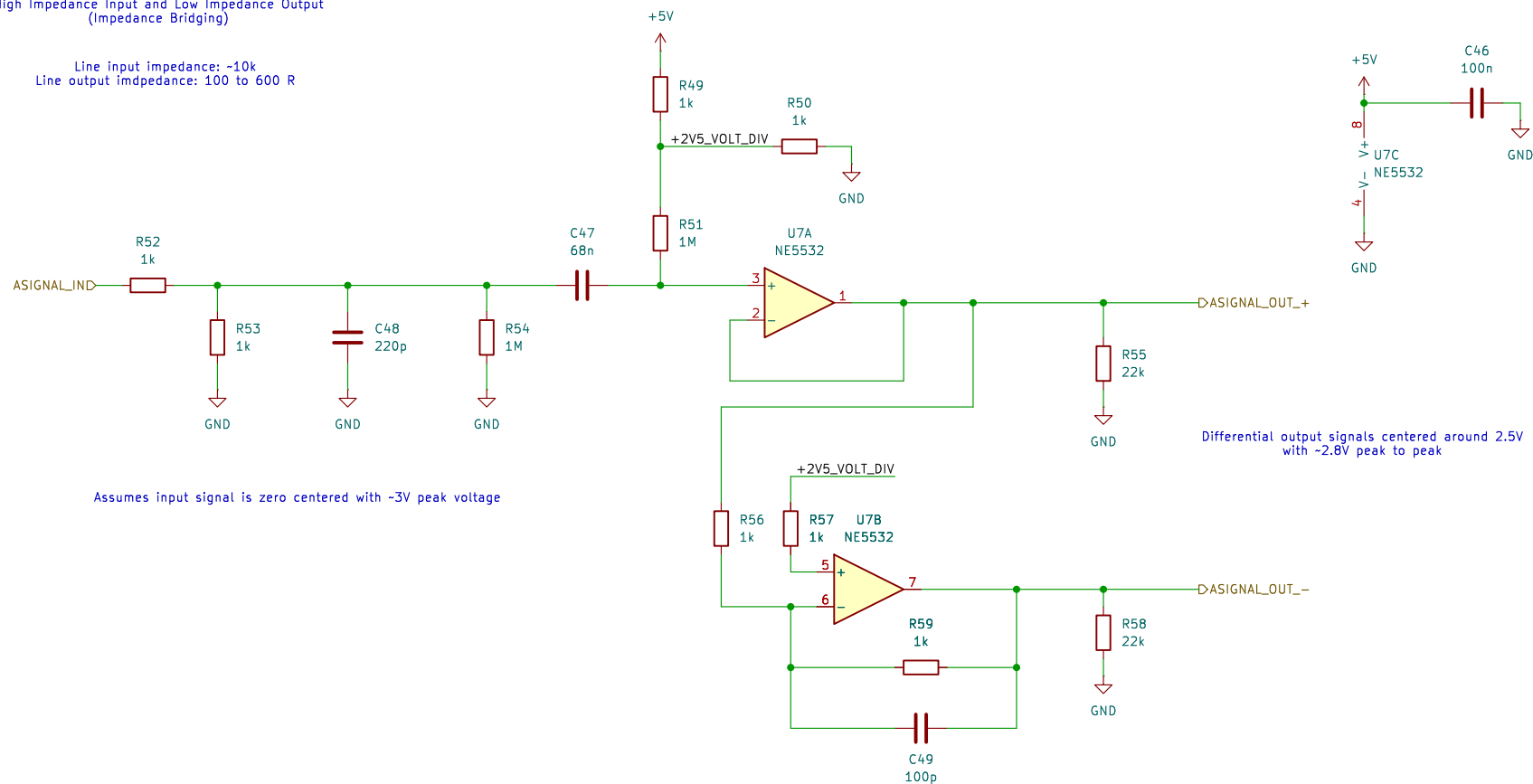
Analog Output Filter



## Single-Ended to Differential Converter

High Impedance Input and Low Impedance Output  
(Impedance Bridging)

Line input impedance: ~10k  
Line output impedance: 100 to 600 R



Sheet: /Single-Ended to Differential Converter Channel A/  
File: single\_to\_differential.kicad\_sch

### Title:

Size: A4 Date:

KiCad E.D.A. 8.0.4

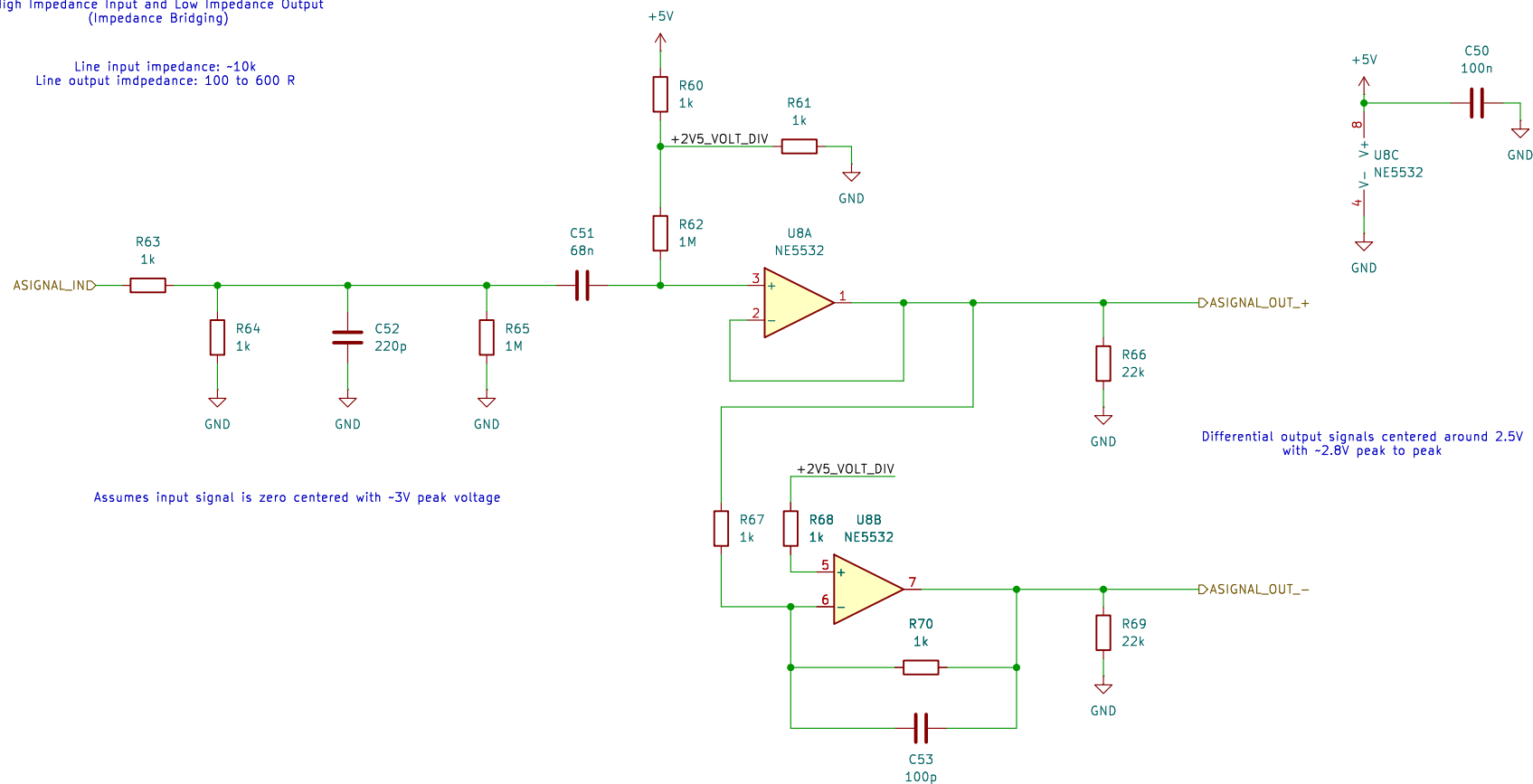
Rev:

Id: 6/7

## Single-Ended to Differential Converter

High Impedance Input and Low Impedance Output  
(Impedance Bridging)

Line input impedance:  $\sim 10k$   
Line output impedance: 100 to 600  $\Omega$



Sheet: /Single-Ended to Differential Converter Channel B/  
File: single\_to\_differential.kicad\_sch

### Title:

Size: A4

Date:

KiCad E.D.A. 8.0.4

Rev:

Id: 7/7