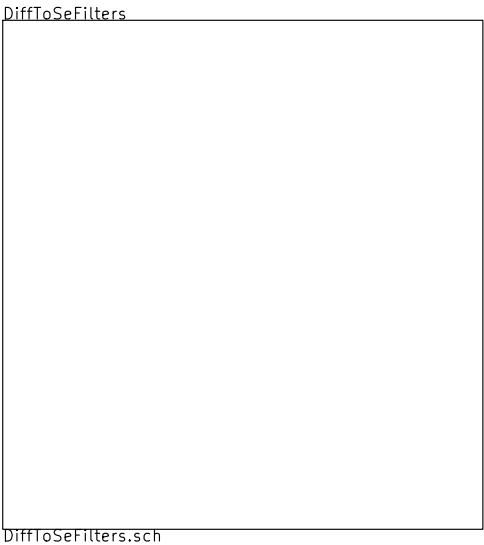
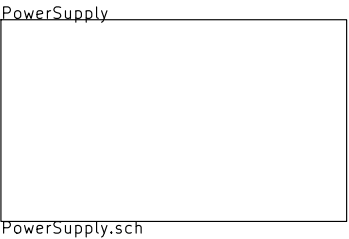


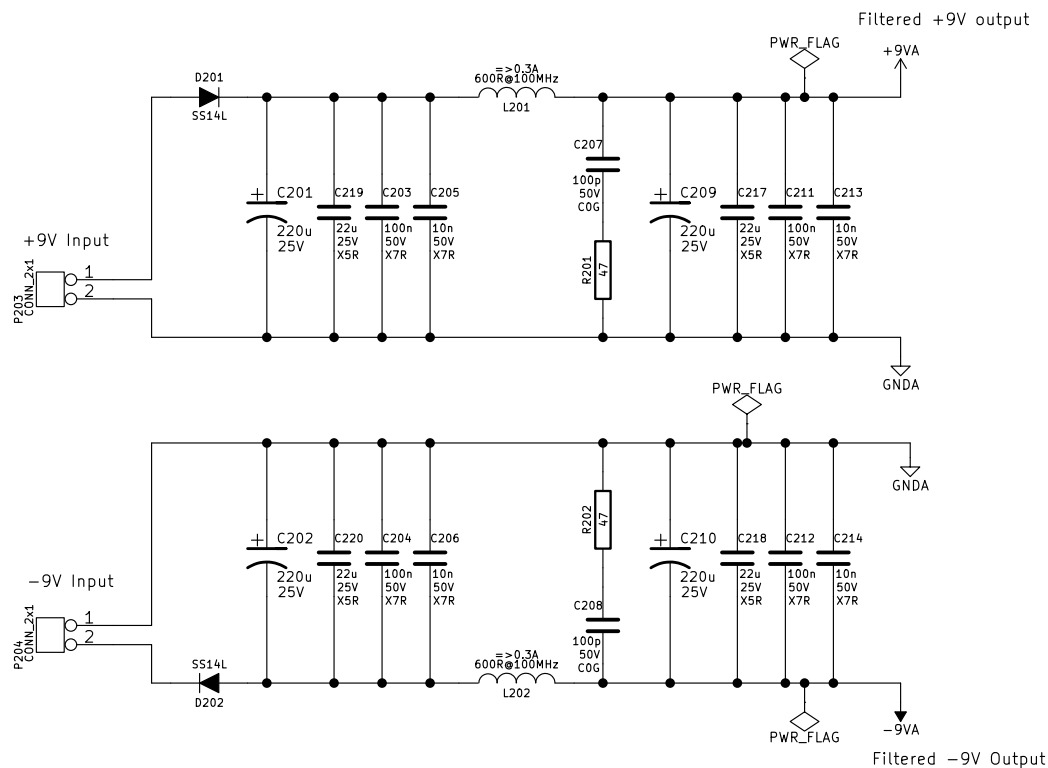
Open Hardware DSP Platform – www.ohdsp.org
Differential to Single Ended Buffer for ADAU1966 DAC
Revision 2.0

See bill of materials for detailed parts information.



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Sheet: / File: BUF-DiffToSE-ADAU1966.sch		
Title: Differential to Single Ended Buffer for ADAU1966 DAC		
Size: A4	Date: 2016-05-25	Rev: 2.0
KiCad E.D.A. kicad 4.0.2-stable		Id: 1/3

Power Supply Filtering



Mounting Holes

MNT201	MNT203	FID1	FID2
○	○	○	○
MNT202	MNT204	FID3	FID4
○	○	○	○

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Sheet: /PowerSupply/

File: PowerSupply.sch

Title: Differential to Single Ended Buffer for ADAU1966 DAC

Size: A4 Date: 2016-05-25

Rev: 2.0

KiCad E.D.A. kicad 4.0.2-stable

Id: 2/3

Differential to Single Ended Filters

This circuit diagram illustrates four channels of differential-to-single-ended conversion. Each channel uses a TLE2071 op-amp configured as a buffer. The inputs are connected to a 20-pin connector (P301) and are biased with +9V and -9V through a network of resistors (R301-R308) and capacitors (C301-C310). The outputs are connected to coaxial connectors (CN301-CN304) and are also biased with +9V and -9V through a network of resistors (R317-R324) and capacitors (C311-C320). The circuit is powered by +9V and -9V supplies.

This circuit diagram illustrates four channels of differential-to-single-ended conversion, similar to the first set but with different component values. Each channel uses a TLE2071 op-amp configured as a buffer. The inputs are connected to a 20-pin connector (P302) and are biased with +9V and -9V through a network of resistors (R325-R332) and capacitors (C331-C340). The outputs are connected to coaxial connectors (CN305-CN308) and are also biased with +9V and -9V through a network of resistors (R341-R348) and capacitors (C341-C350). The circuit is powered by +9V and -9V supplies.

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 Sheet: /DiffToSeFilters/
 File: DiffToSeFilters.sch
Title: Differential to Single Ended Buffer for ADAU1966 DAC
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 KiCad E.D.A. kicad 4.0.2-stable Id: 3/3

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Sheet: /DiffToSeFilters/ File: DiffToSeFilters.sch	
Title: Differential to Single Ended Buffer for ADAU1966 DAC	
Size: A3 KiCad E.D.A. kicad 4.0.2–stable	Rev: 2.0 Id: 3/3