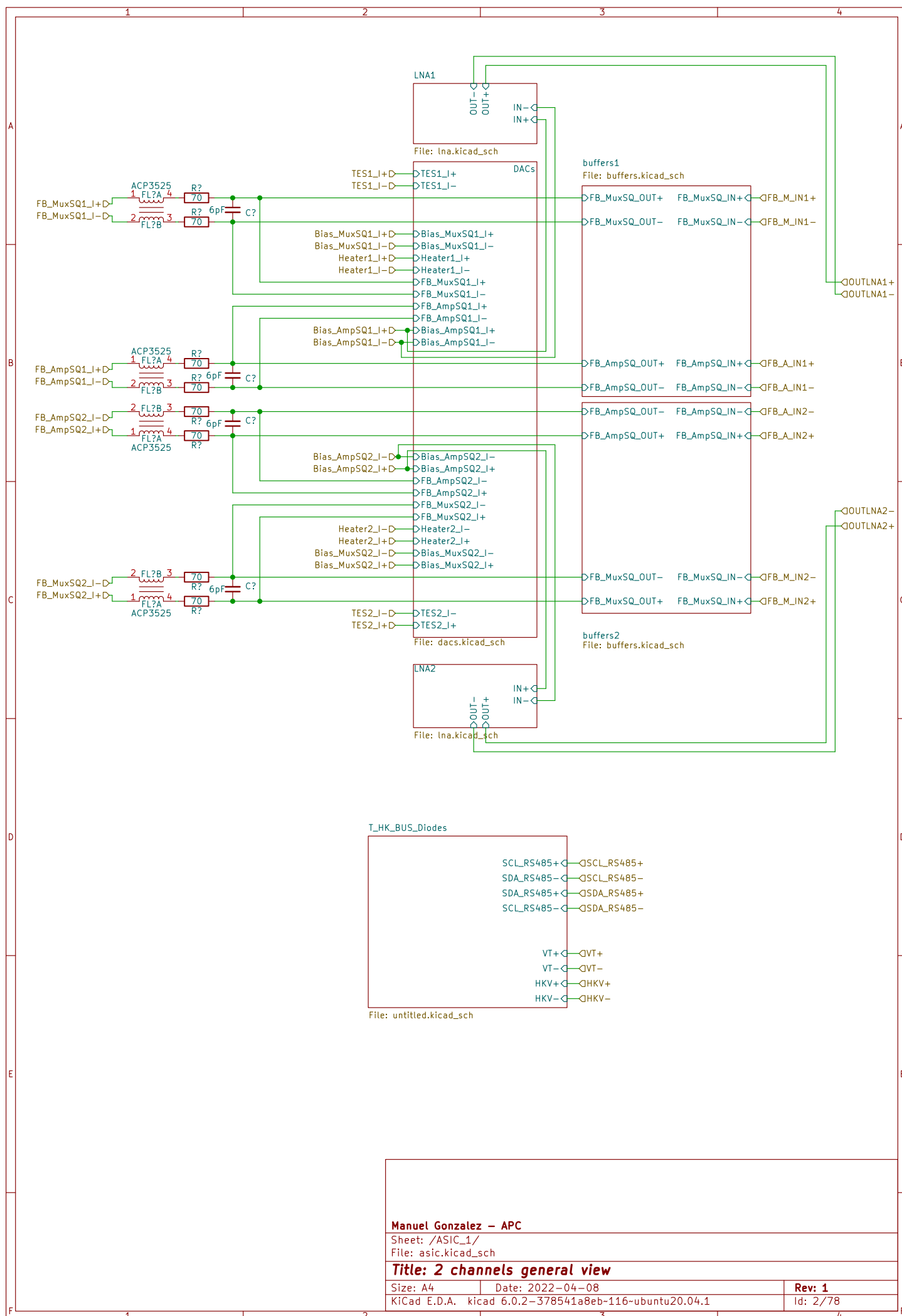
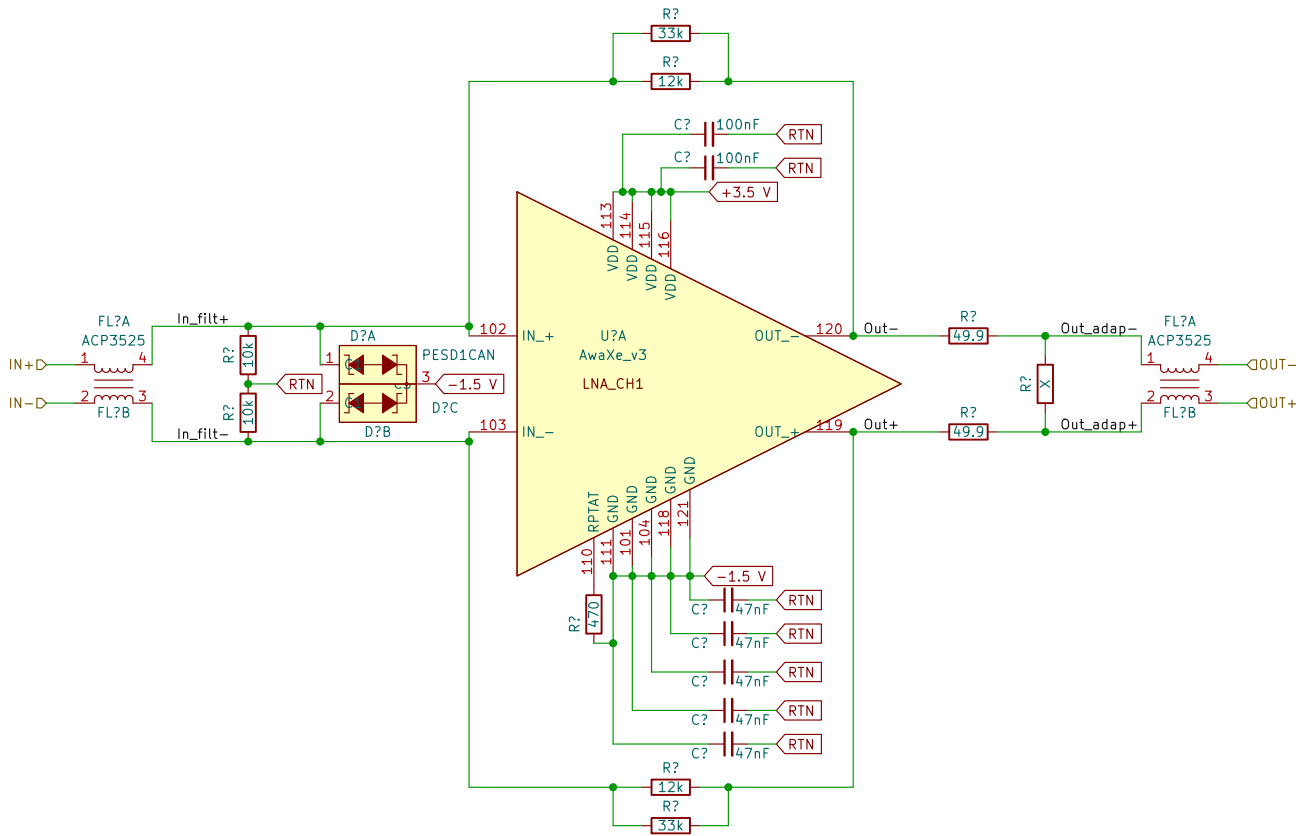




LNA



Manuel Gonzalez – APC

Sheet: /ASIC_1/LNA1/

File: lna.kicad_sch

Title:

Size: A4

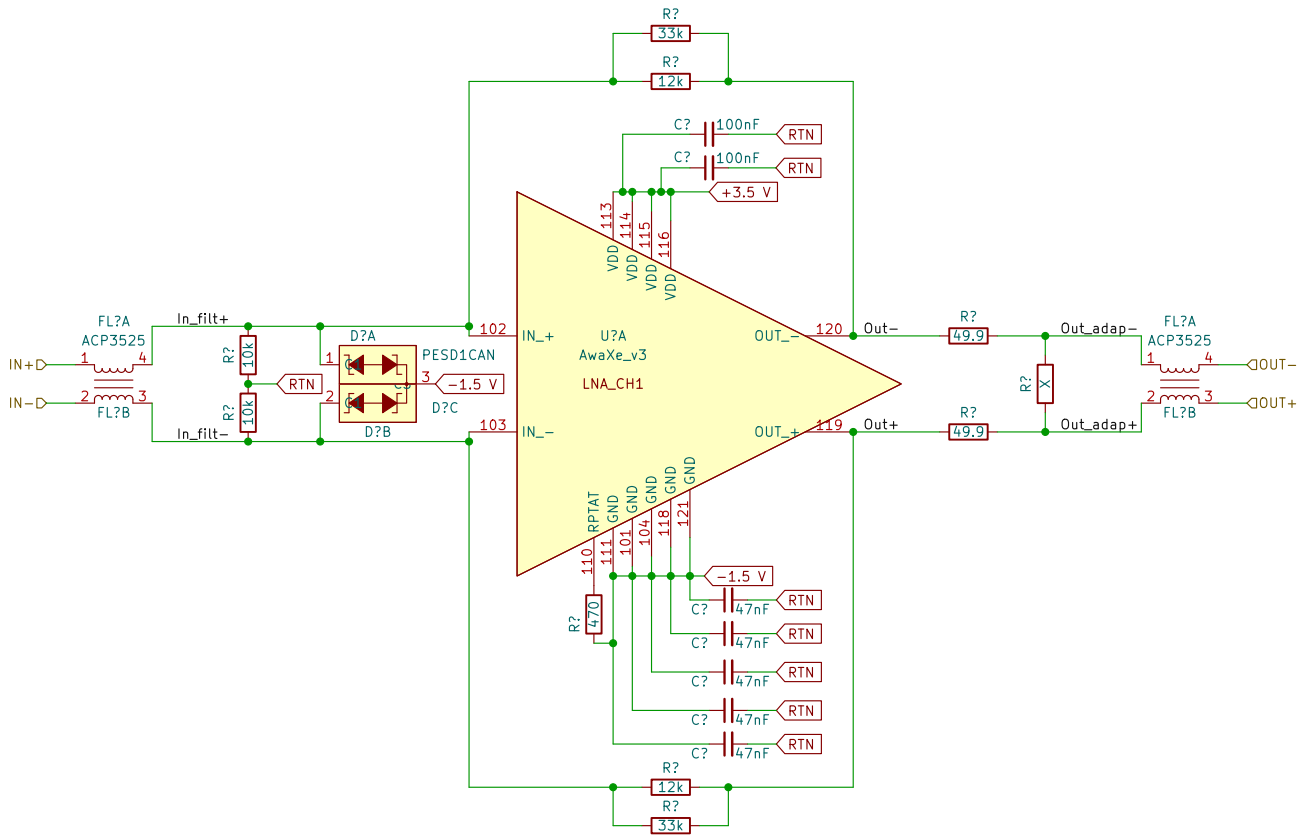
Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 3/78

LNA



Manuel Gonzalez – APC

Sheet: /ASIC_1/LNA2/

File: lna.kicad_sch

Title:

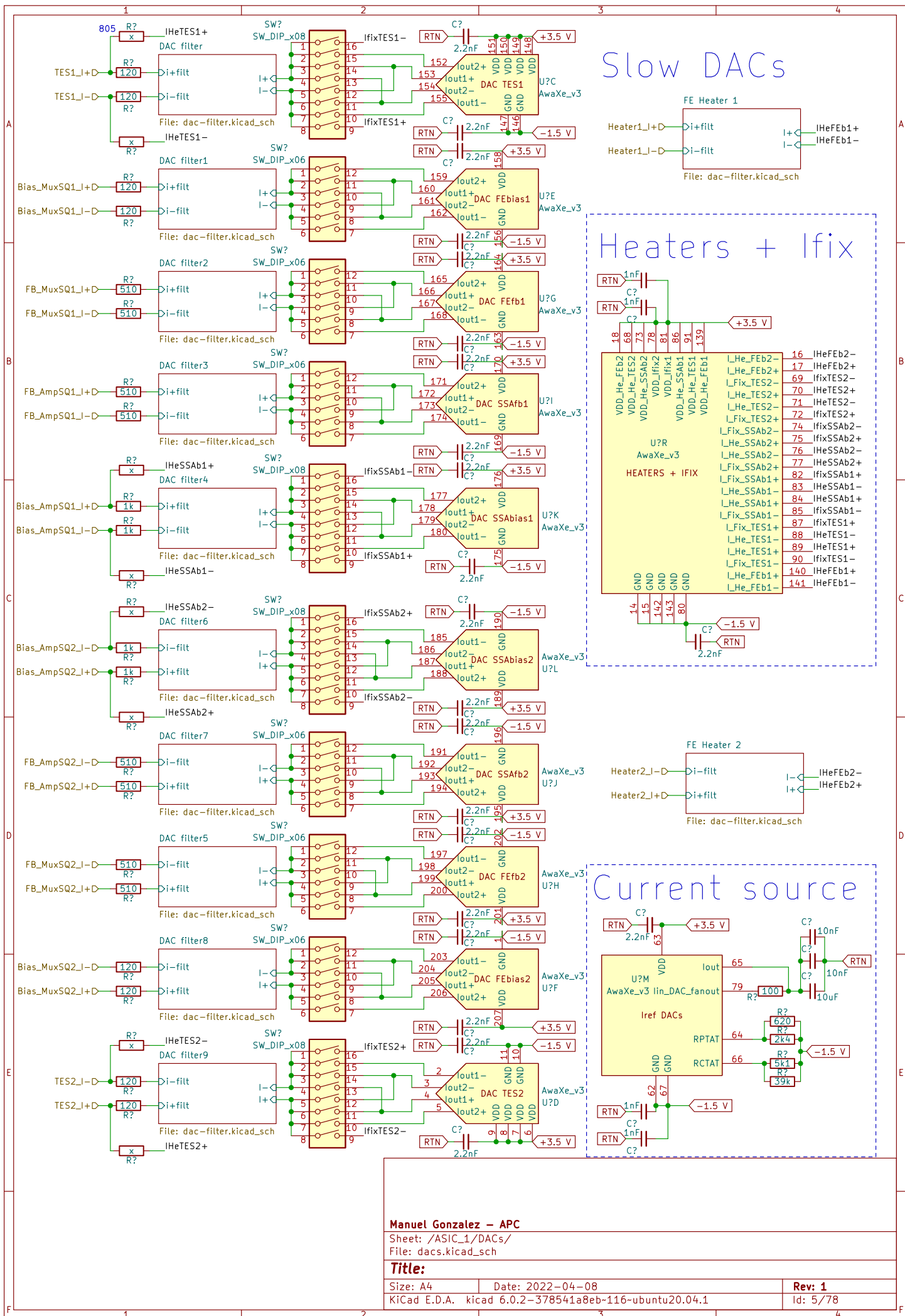
Size: A4

Date: 2022-04-08

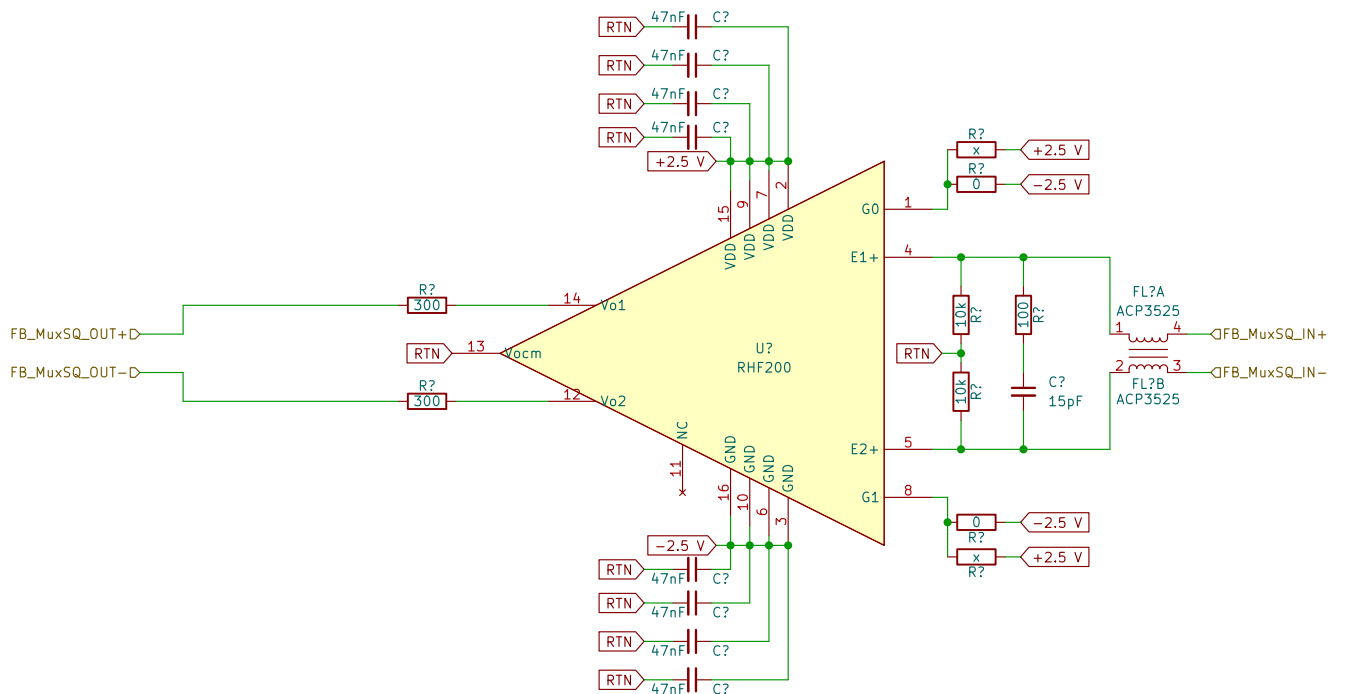
Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 4/78

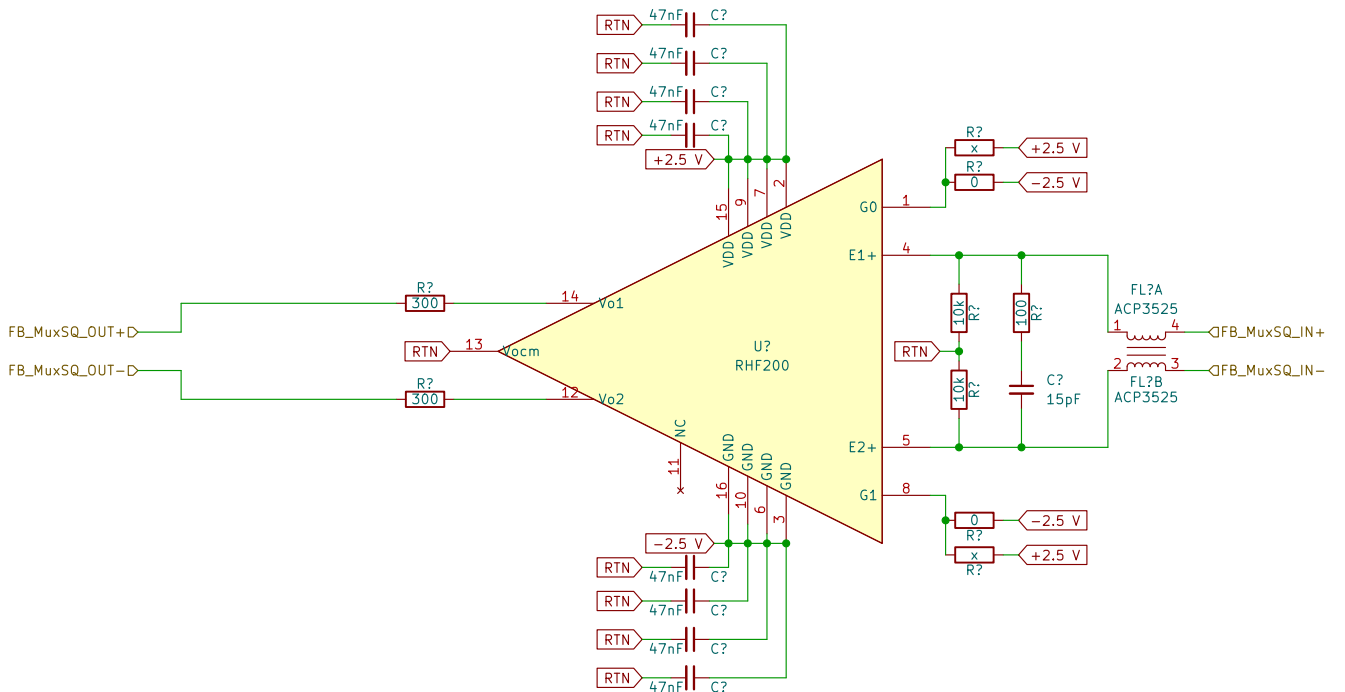


FB MUXSQUID

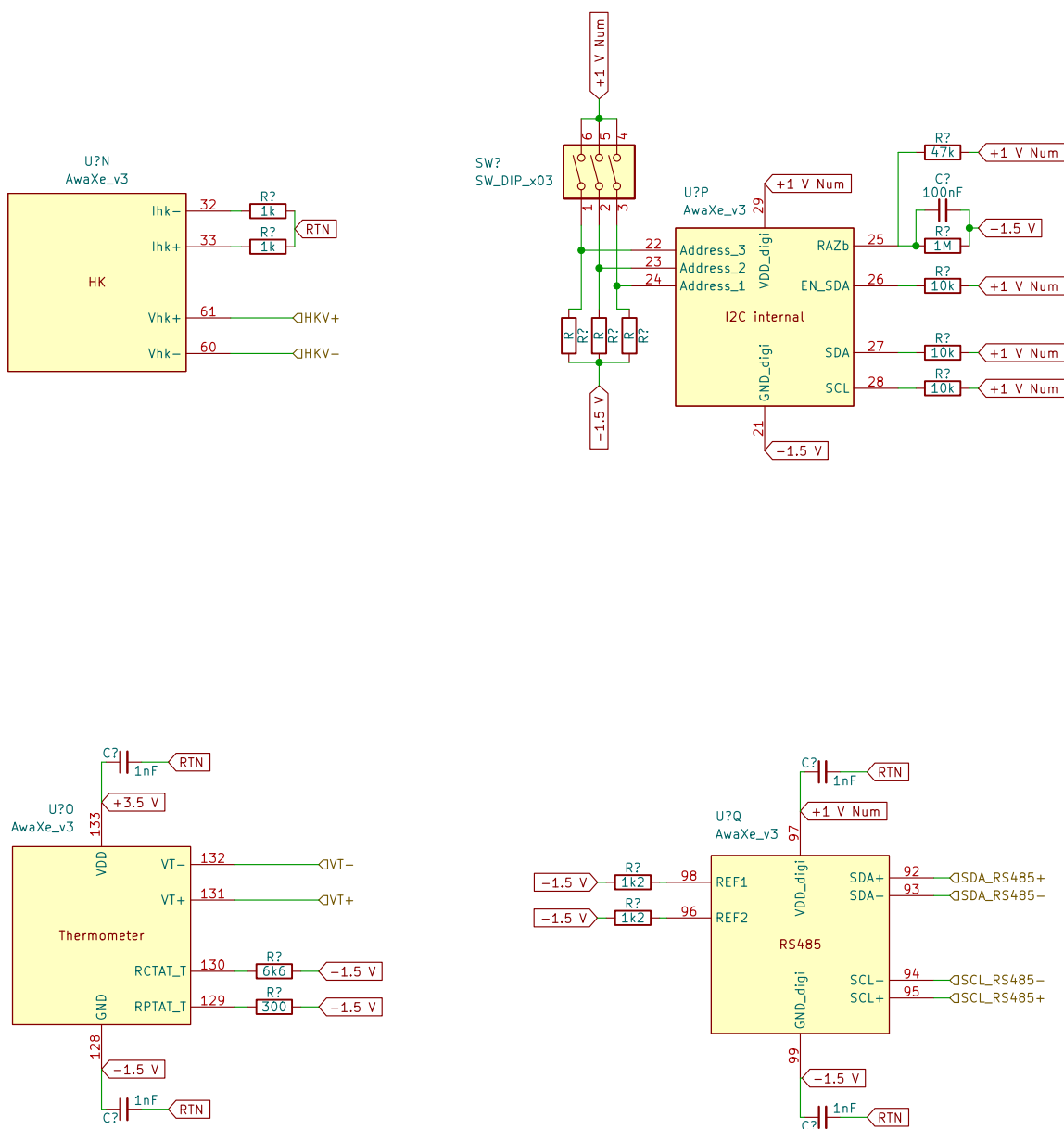


Id: 6/78

FB MUXSQUID



Id: 7/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/T_HK_BUS_Diodes/

File: untitled.kicad_sch

Title: HK and BUS

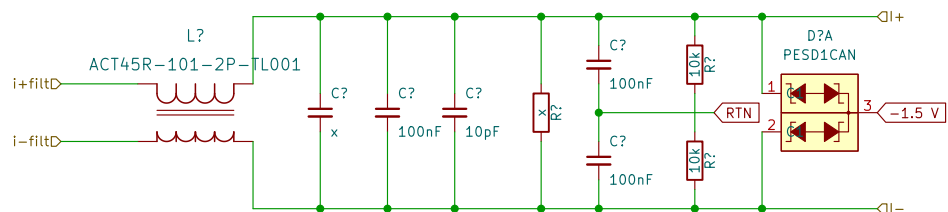
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 8/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/DAC filter/
File: dac-filter.kicad_sch

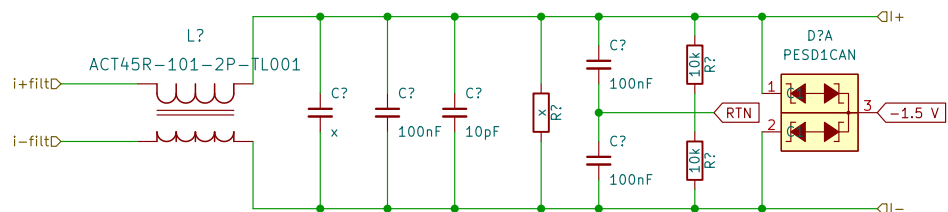
Title:

Size: A4 Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Rev: 1

Id: 9/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/DAC filter1/

File: dac-filter.kicad_sch

Title:

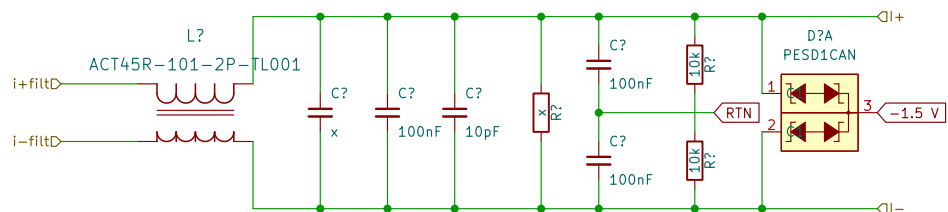
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 10/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/DAC filter2/

File: dac-filter.kicad_sch

Title:

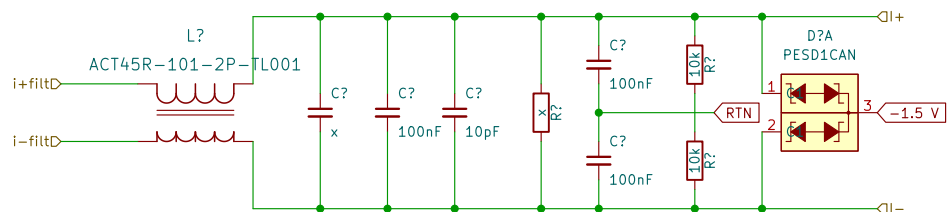
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 11/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/DAC filter3/

File: dac-filter.kicad_sch

Title:

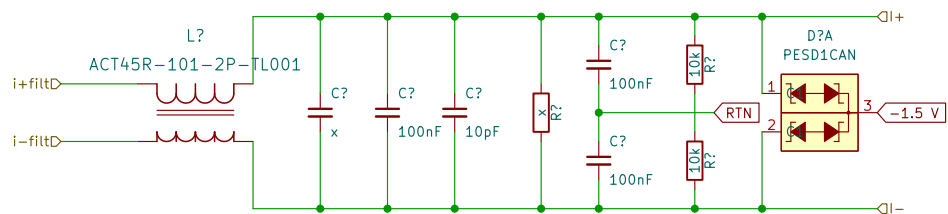
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 12/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/DAC filter4/

File: dac-filter.kicad_sch

Title:

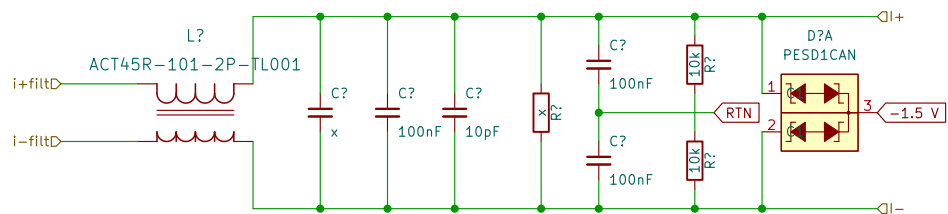
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 13/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/DAC filter6/
File: dac-filter.kicad_sch

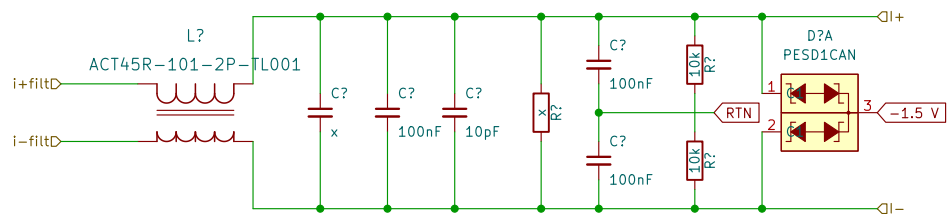
Title:

Size: A4 Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Rev: 1

Id: 14/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/DAC filter7/

File: dac-filter.kicad_sch

Title:

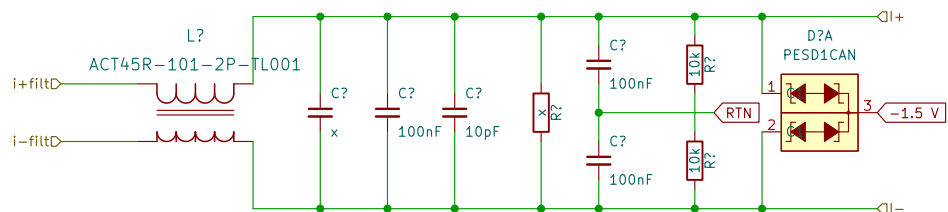
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 15/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/DAC filter5/

File: dac-filter.kicad_sch

Title:

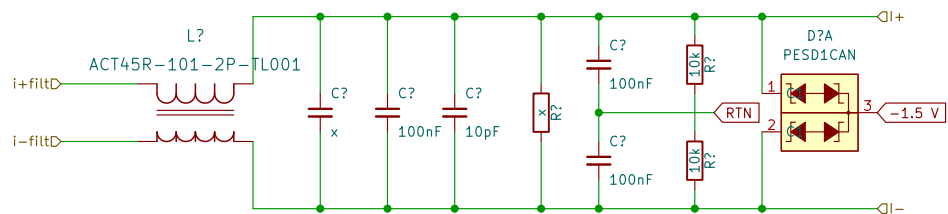
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 16/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/DAC filter8/
File: dac-filter.kicad_sch

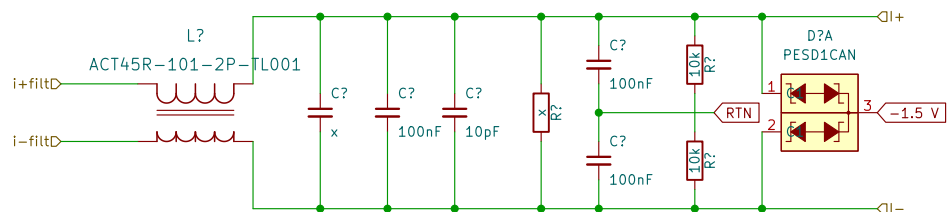
Title:

Size: A4 Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Rev: 1

Id: 17/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/DAC filter9/

File: dac-filter.kicad_sch

Title:

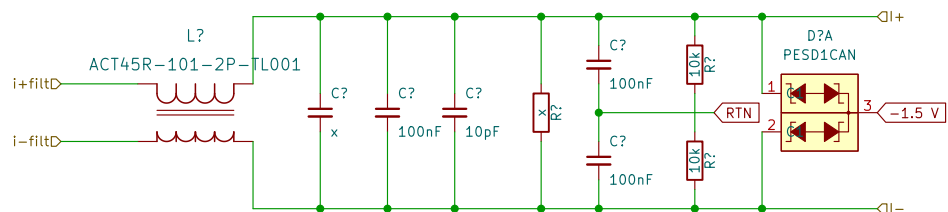
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 18/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/FE Heater 2/

File: dac-filter.kicad_sch

Title:

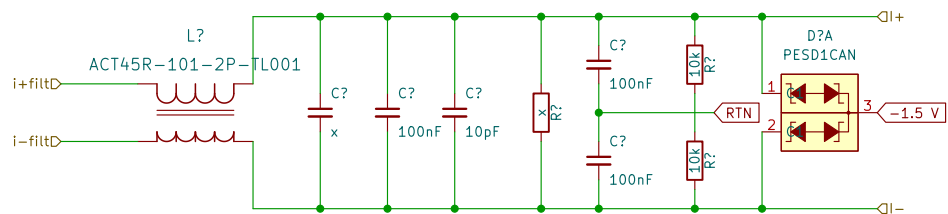
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 19/78



Manuel Gonzalez – APC

Sheet: /ASIC_1/DACs/FE Heater 1/
File: dac-filter.kicad_sch

Title:

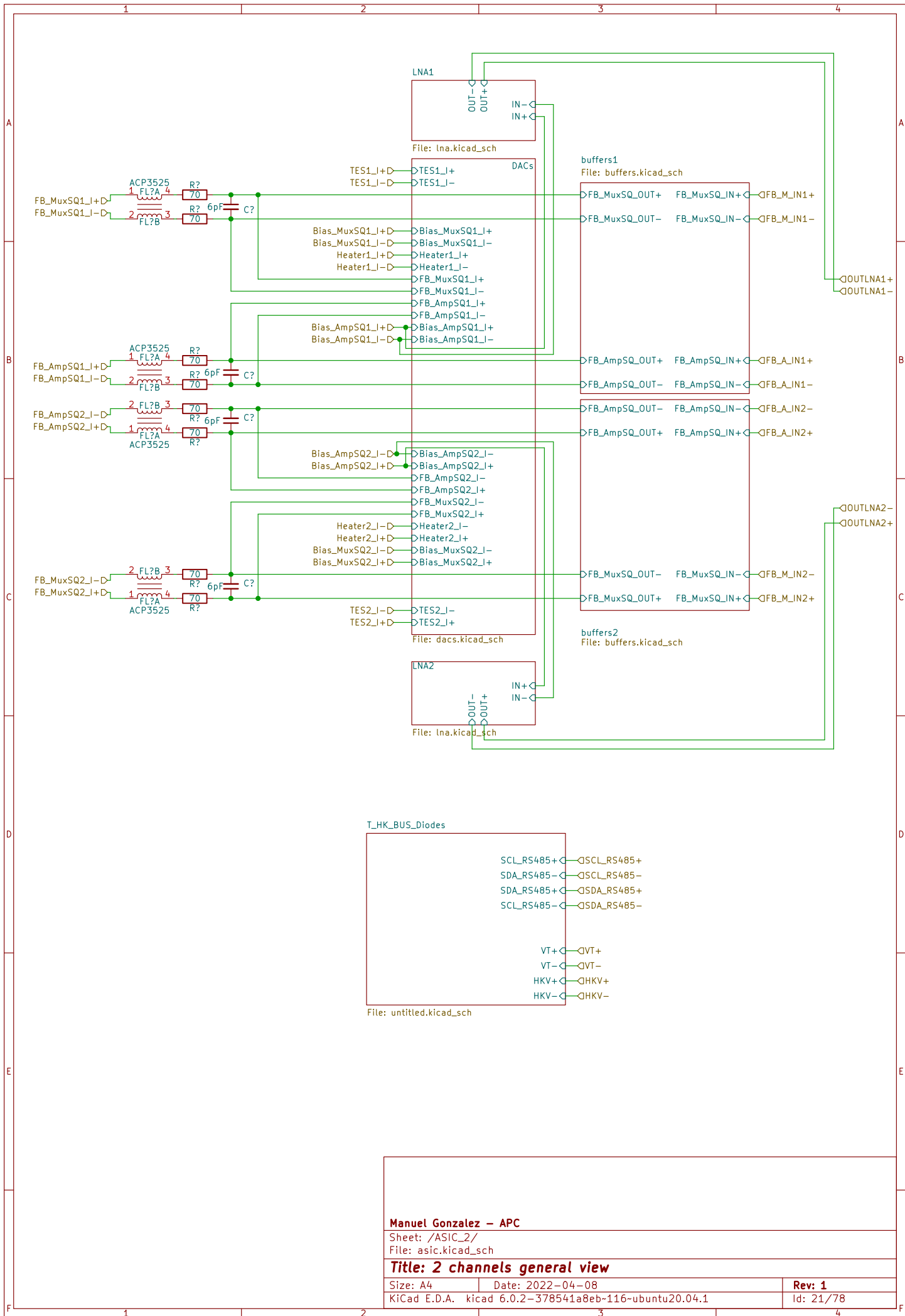
Size: A4

Date: 2022-04-08

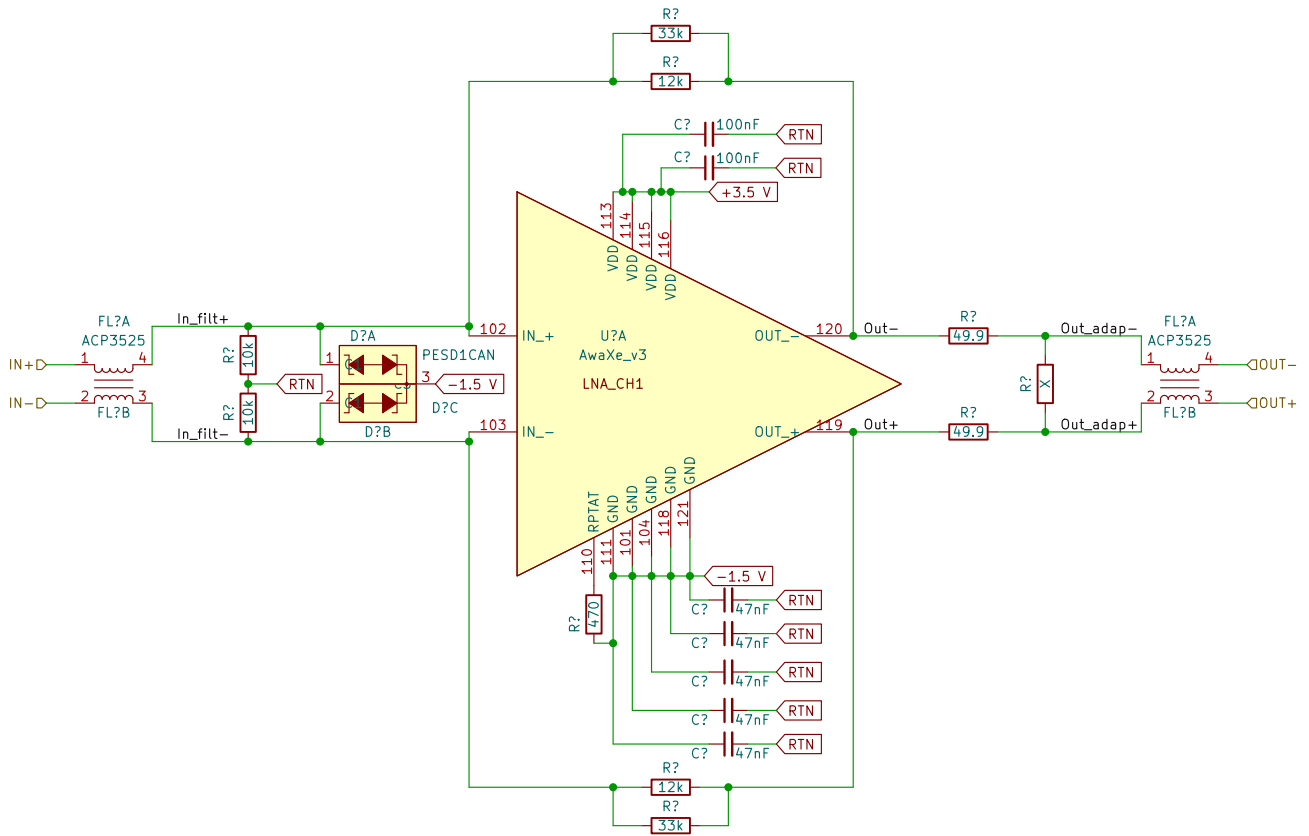
Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 20/78



LNA



Manuel Gonzalez – APC

Sheet: /ASIC_2/LNA1/

File: lna.kicad_sch

Title:

Size: A4

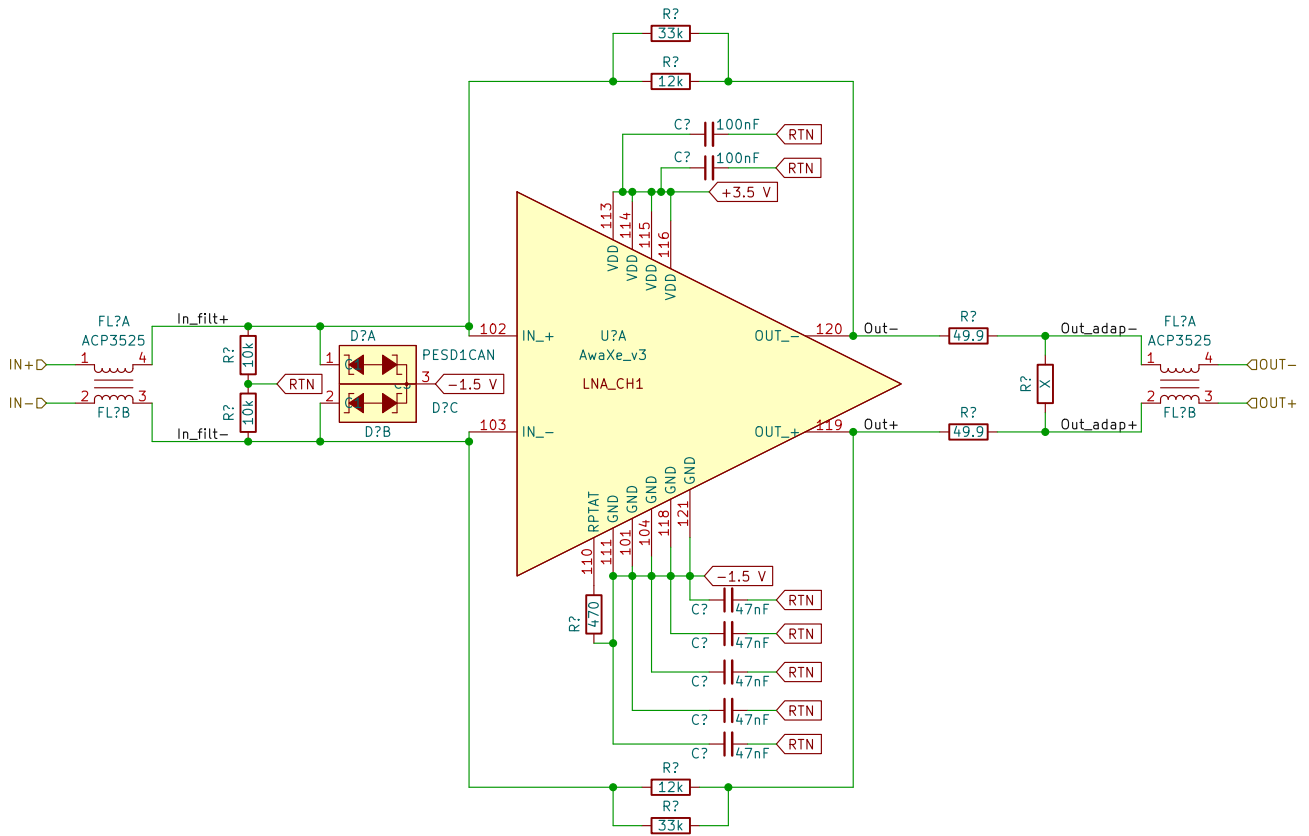
Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 22/78

LNA



Manuel Gonzalez – APC

Sheet: /ASIC_2/LNA2/

File: lna.kicad_sch

Title:

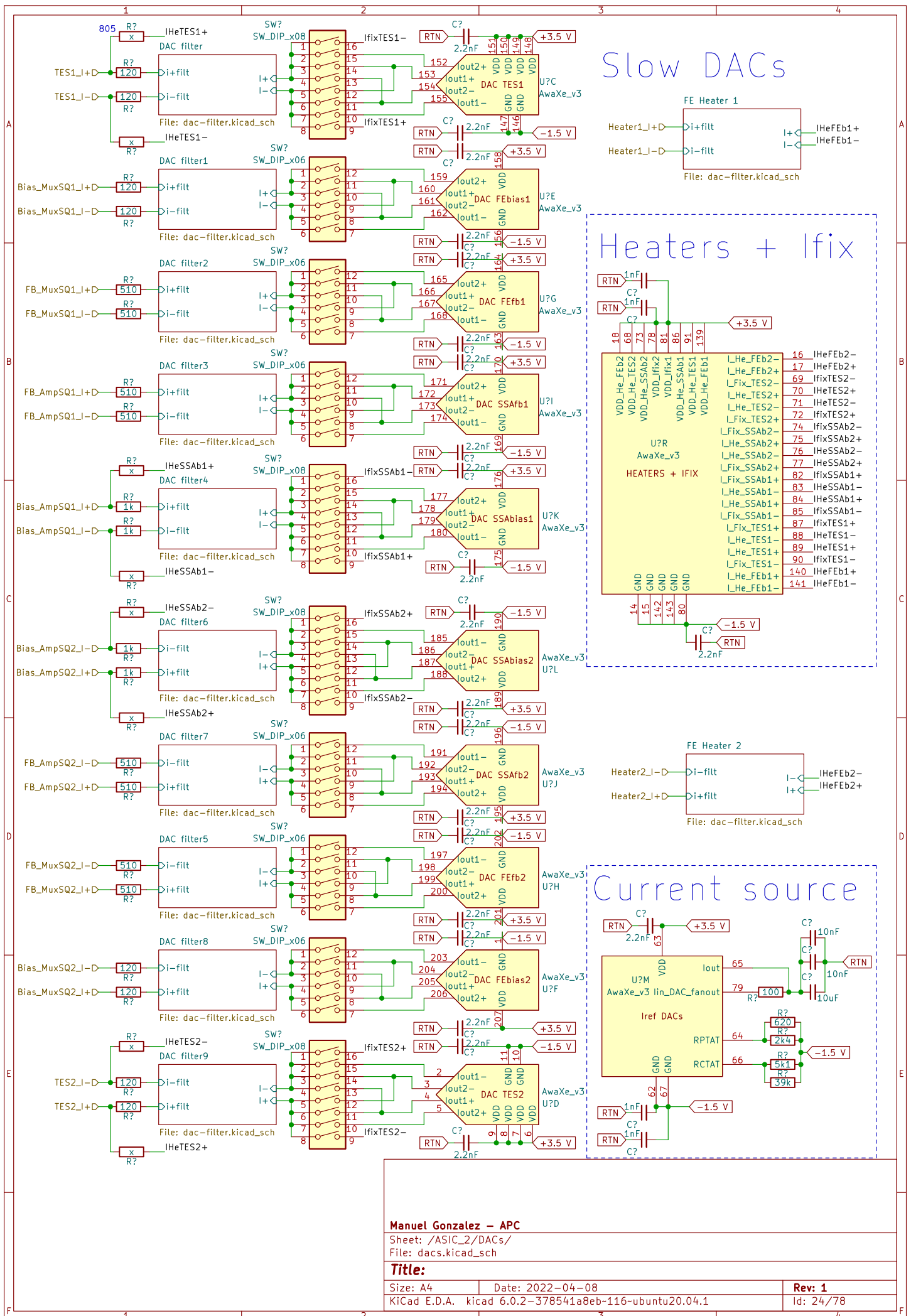
Size: A4

Date: 2022-04-08

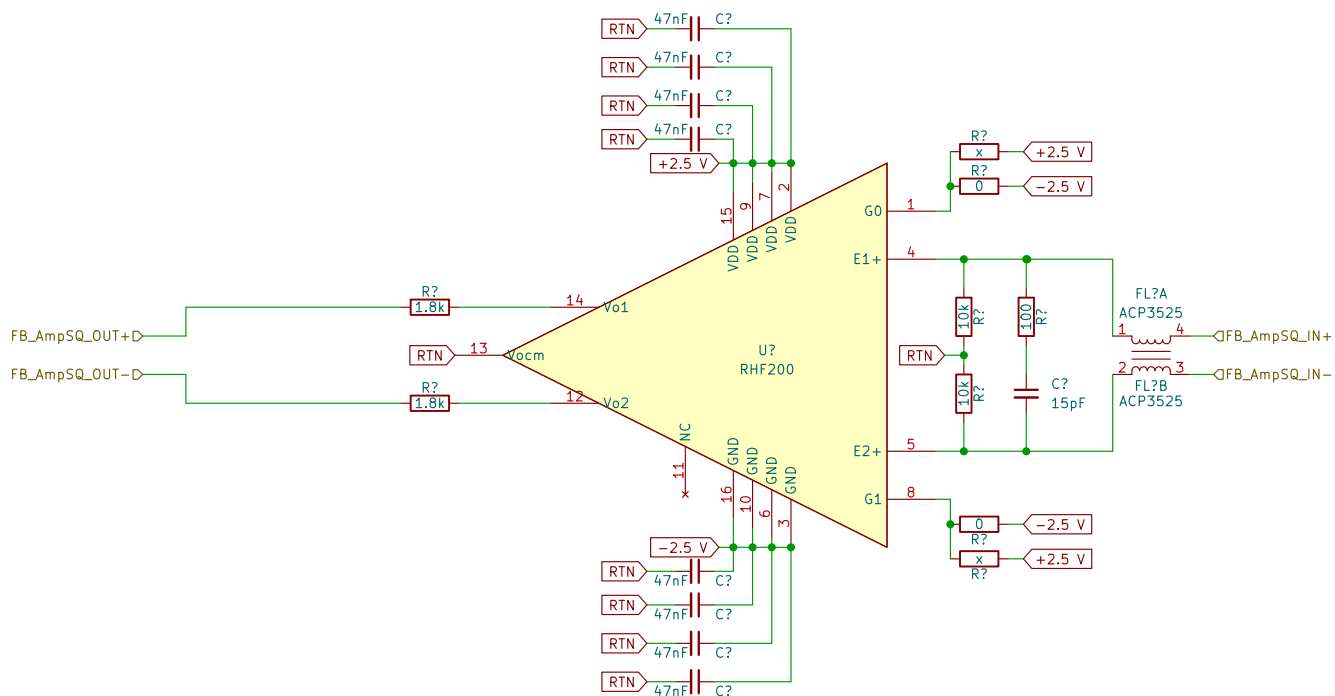
Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

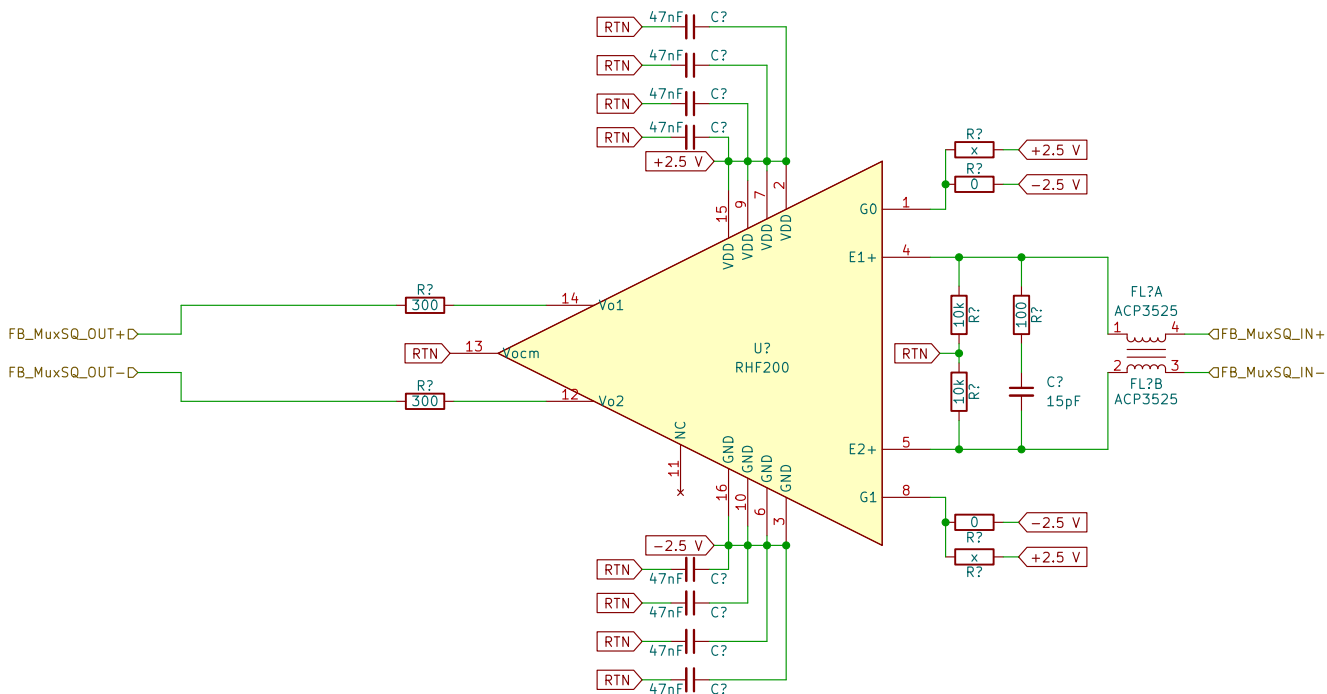
Id: 23/78



FB AMPSQUID



FB MUXSQUID



Manuel Gonzalez – APC

Sheet: /ASIC_2/buffers1/
File: buffers.kicad_sch

Title:

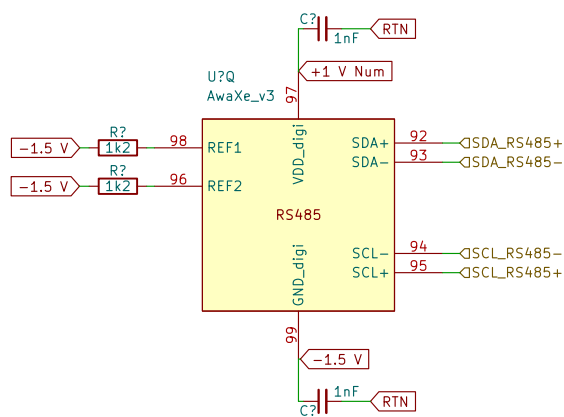
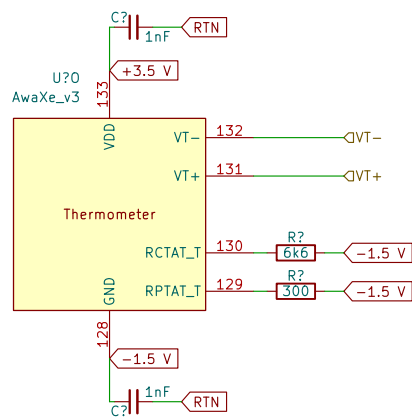
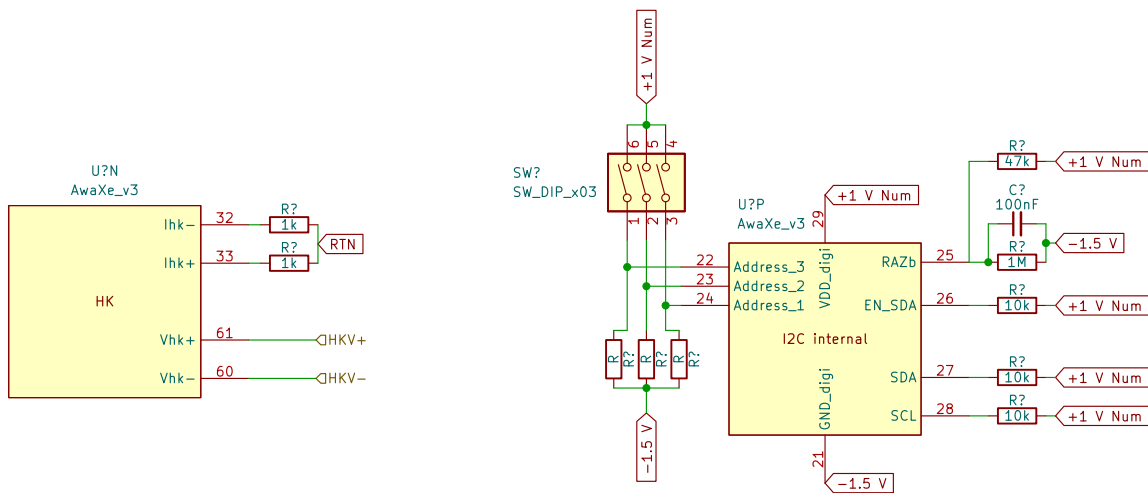
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 25/78



Manuel Gonzalez – APC

Sheet: /ASIC_2/T_HK_BUS_Diodes/

File: untitled.kicad_sch

Title: HK and BUS

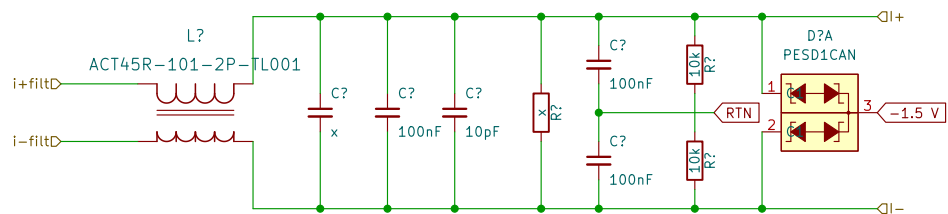
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 27/78



Manuel Gonzalez – APC

Sheet: /ASIC_2/DACs/DAC filter/
File: dac-filter.kicad_sch

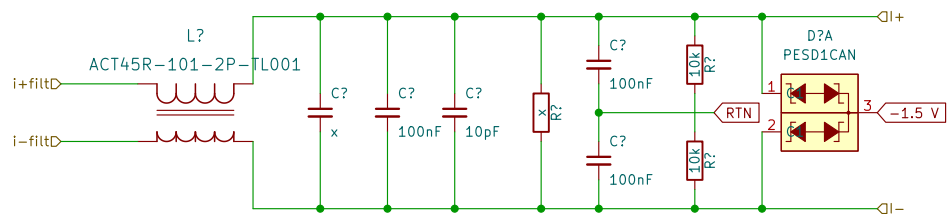
Title:

Size: A4 Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Rev: 1

Id: 28/78



Manuel Gonzalez – APC

Sheet: /ASIC_2/DACs/DAC filter1/

File: dac-filter.kicad_sch

Title:

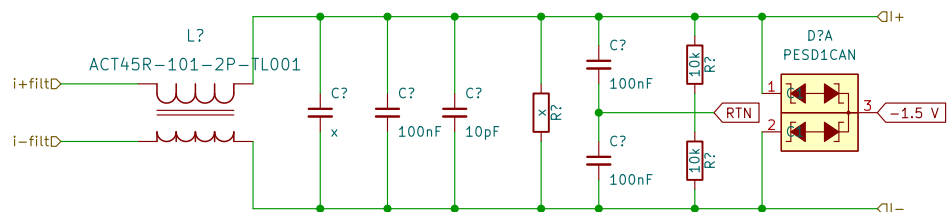
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 29/78



Manuel Gonzalez – APC

Sheet: /ASIC_2/DACs/DAC filter2/

File: dac-filter.kicad_sch

Title:

Size: A4

Date: 2022-04-08

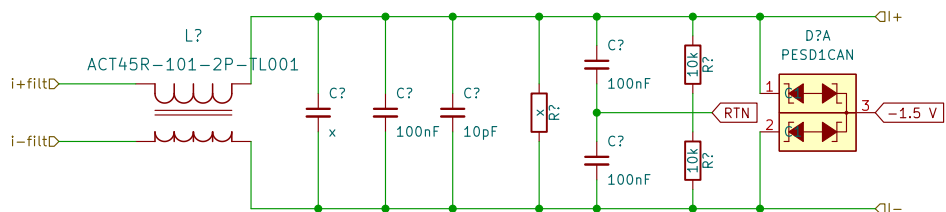
Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 30/78

Id: 31/78

Id: 32/78



Manuel Gonzalez – APC

Sheet: /ASIC_2/DACs/DAC filter6/

File: dac-filter.kicad_sch

Title:

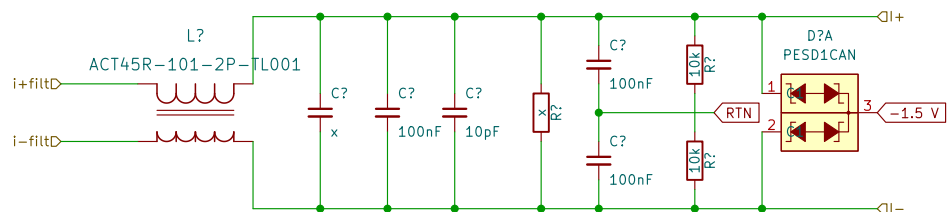
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 33/78



Manuel Gonzalez – APC

Sheet: /ASIC_2/DACs/DAC filter7/

File: dac-filter.kicad_sch

Title:

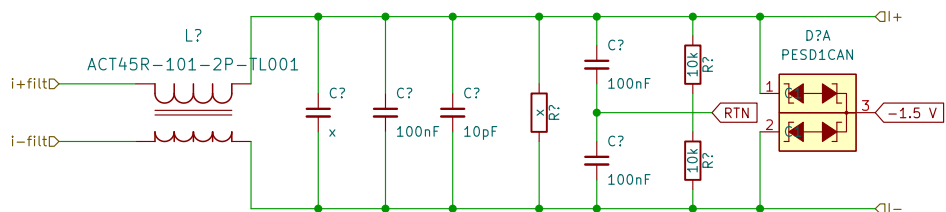
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 34/78



Manuel Gonzalez – APC

Sheet: /ASIC_2/DACs/DAC filter5/

File: dac-filter.kicad_sch

Title:

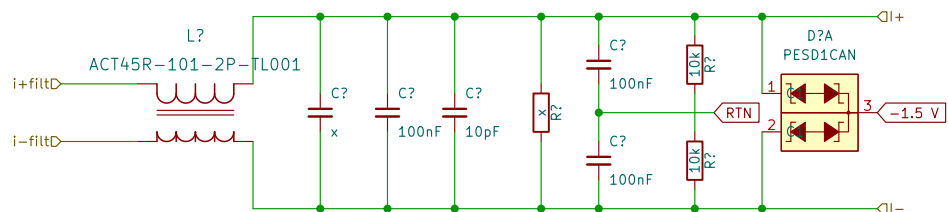
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 35/78



Manuel Gonzalez – APC

Sheet: /ASIC_2/DACs/DAC filter8/

File: dac-filter.kicad_sch

Title:

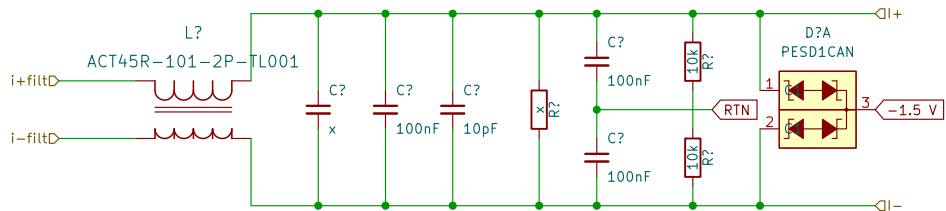
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 36/78



Manuel Gonzalez – APC

Sheet: /ASIC_2/DACs/DAC filter9/

File: dac-filter.kicad_sch

Title:

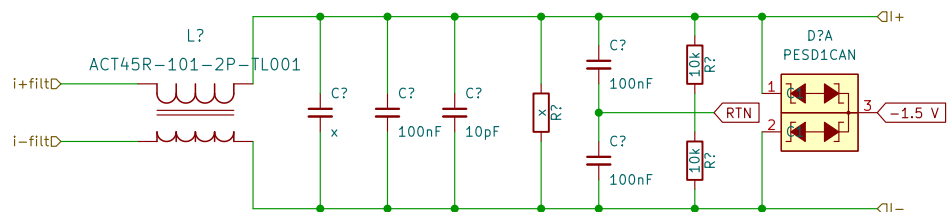
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116~ubuntu20.04.1

Id: 37/78



Manuel Gonzalez – APC

Sheet: /ASIC_2/DACs/FE Heater 2/
File: dac-filter.kicad_sch

Title:

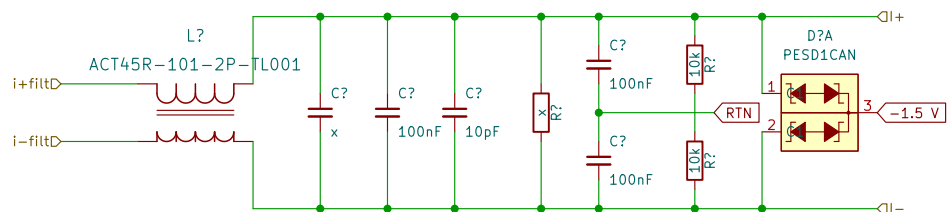
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 38/78



Manuel Gonzalez – APC

Sheet: /ASIC_2/DACs/FE Heater 1/
File: dac-filter.kicad_sch

Title:

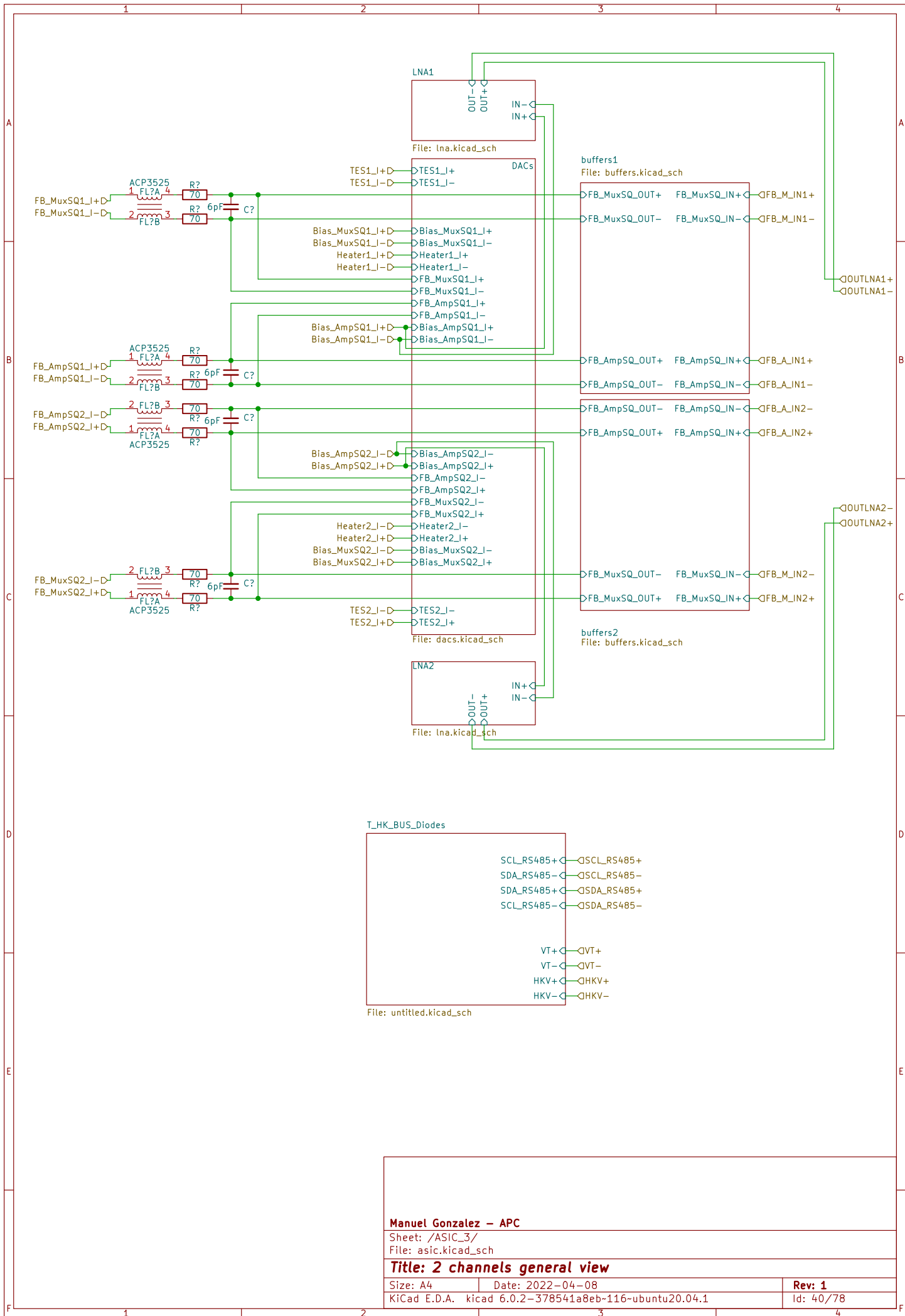
Size: A4

Date: 2022-04-08

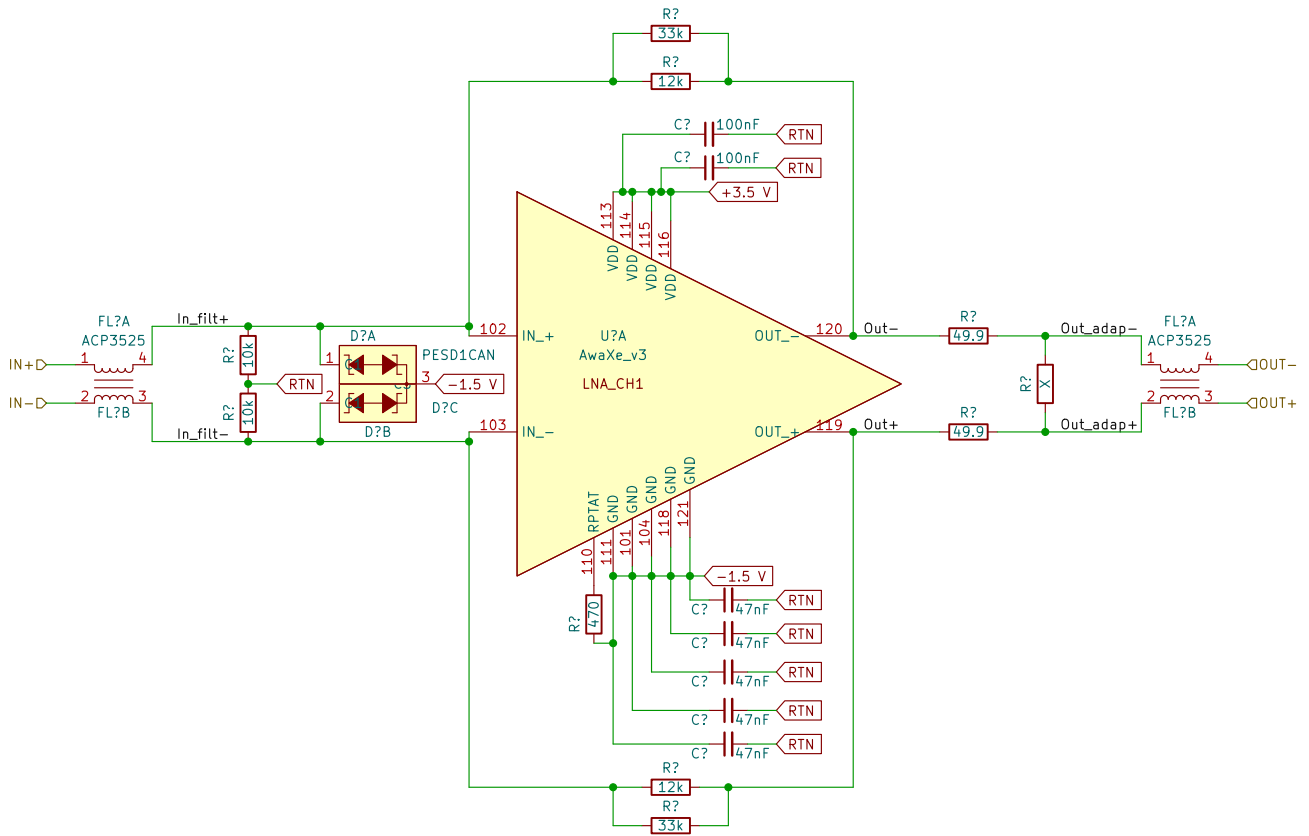
Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 39/78



LNA



Manuel Gonzalez – APC

Sheet: /ASIC_3/LNA1/

File: lna.kicad_sch

Title:

Size: A4

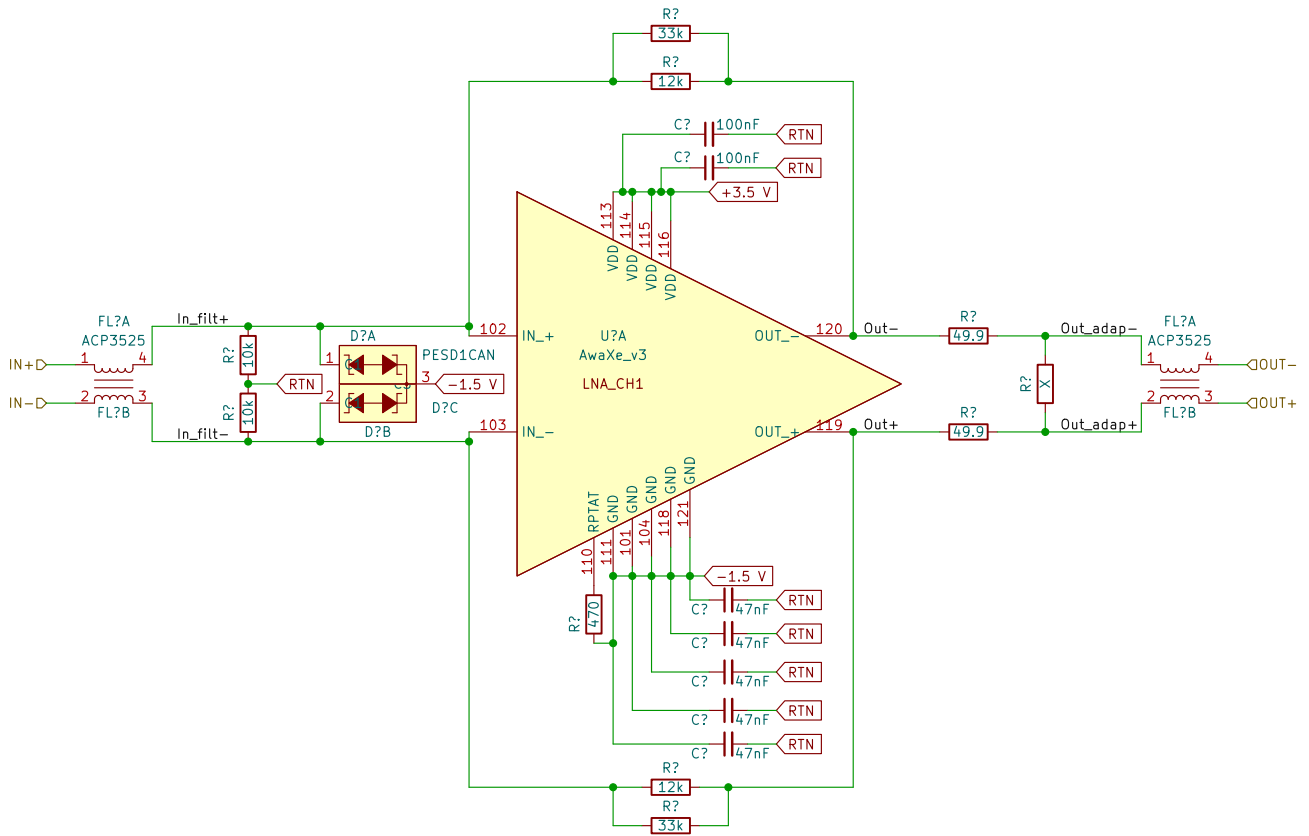
Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 41/78

LNA



Manuel Gonzalez – APC

Sheet: /ASIC_3/LNA2/

File: lna.kicad_sch

Title:

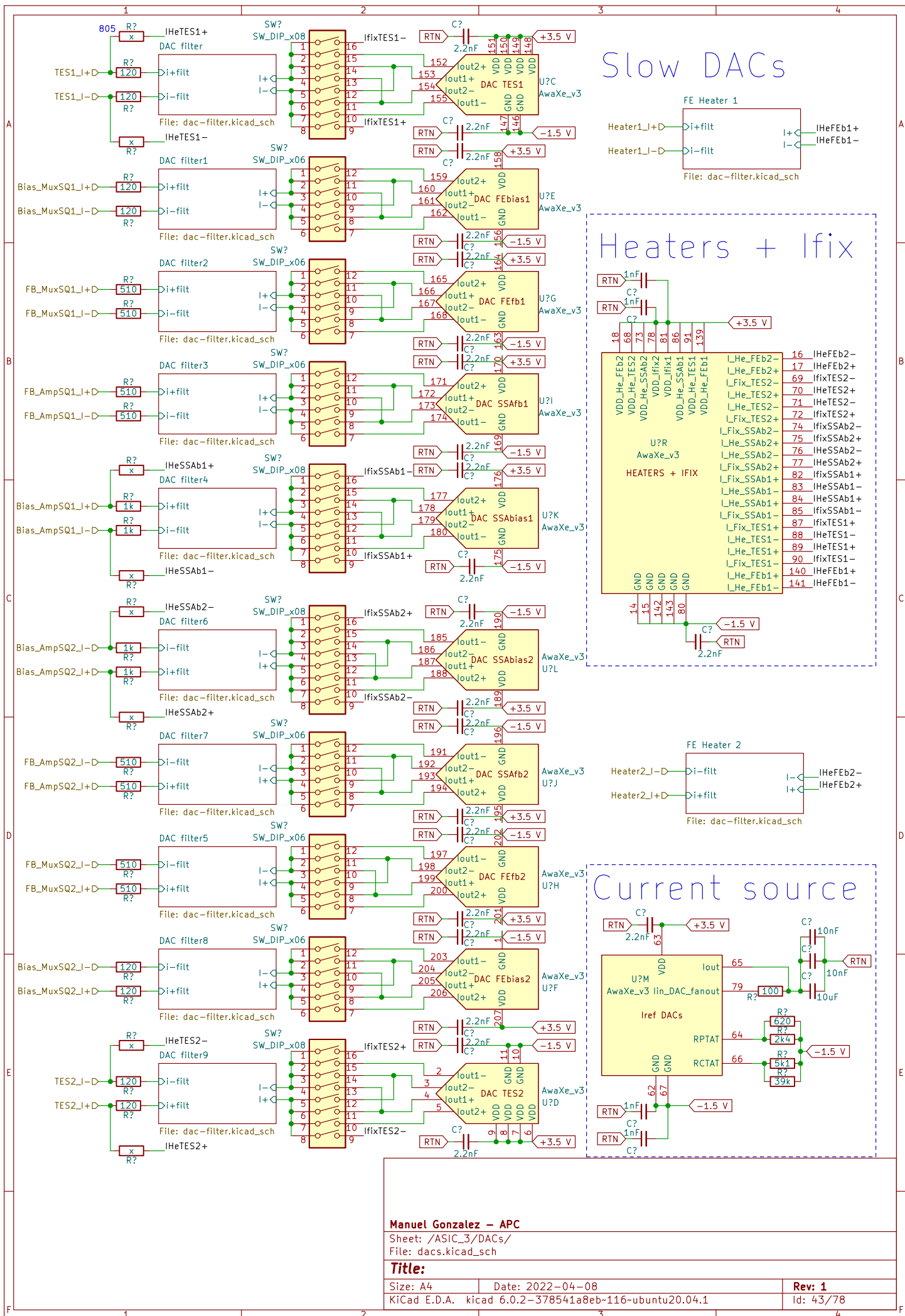
Size: A4

Date: 2022-04-08

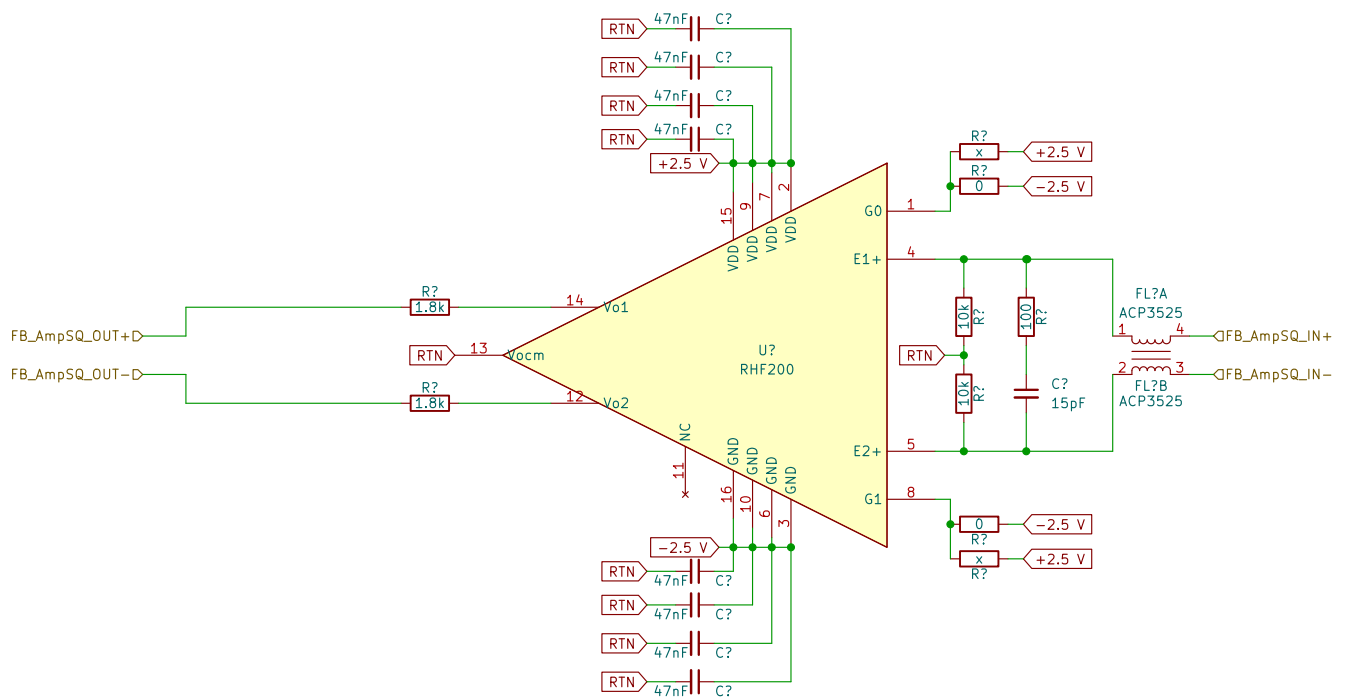
Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

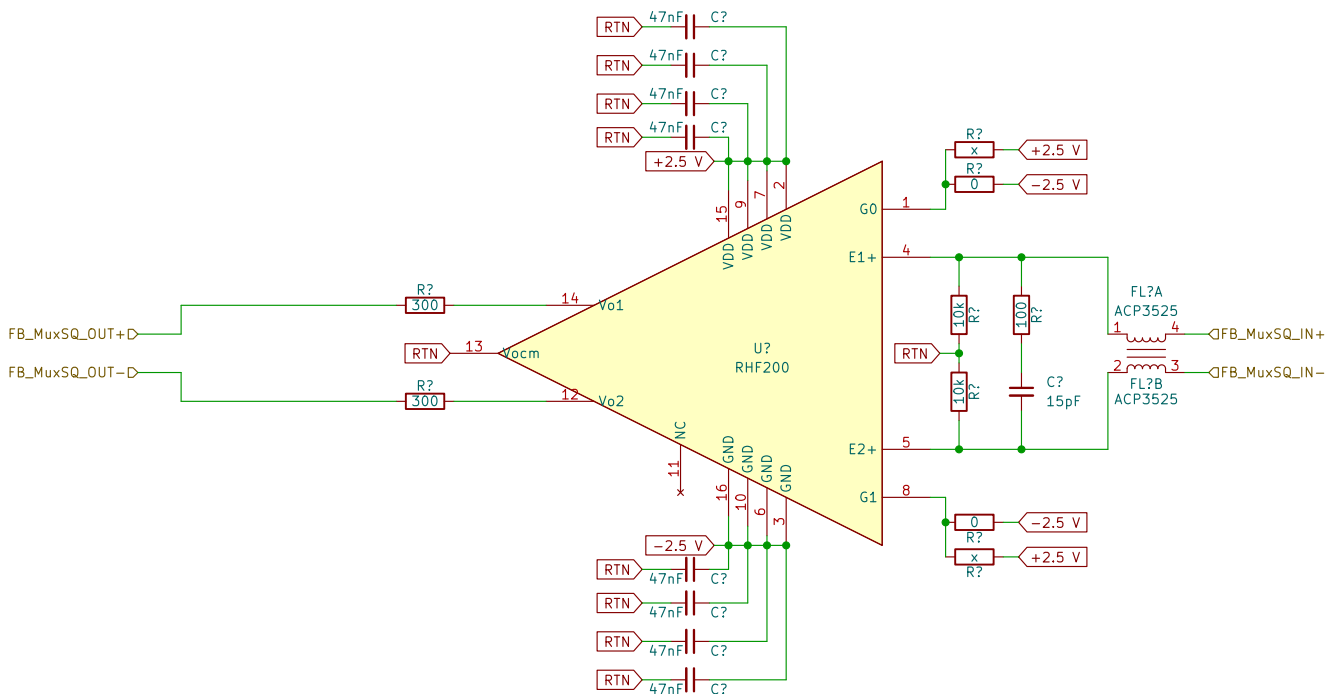
Id: 42/78



FB AMPSQUID



FB MUXSQUID



Manuel Gonzalez – APC

Sheet: /ASIC_3/buffers1/
File: buffers.kicad_sch

Title:

Size: A4

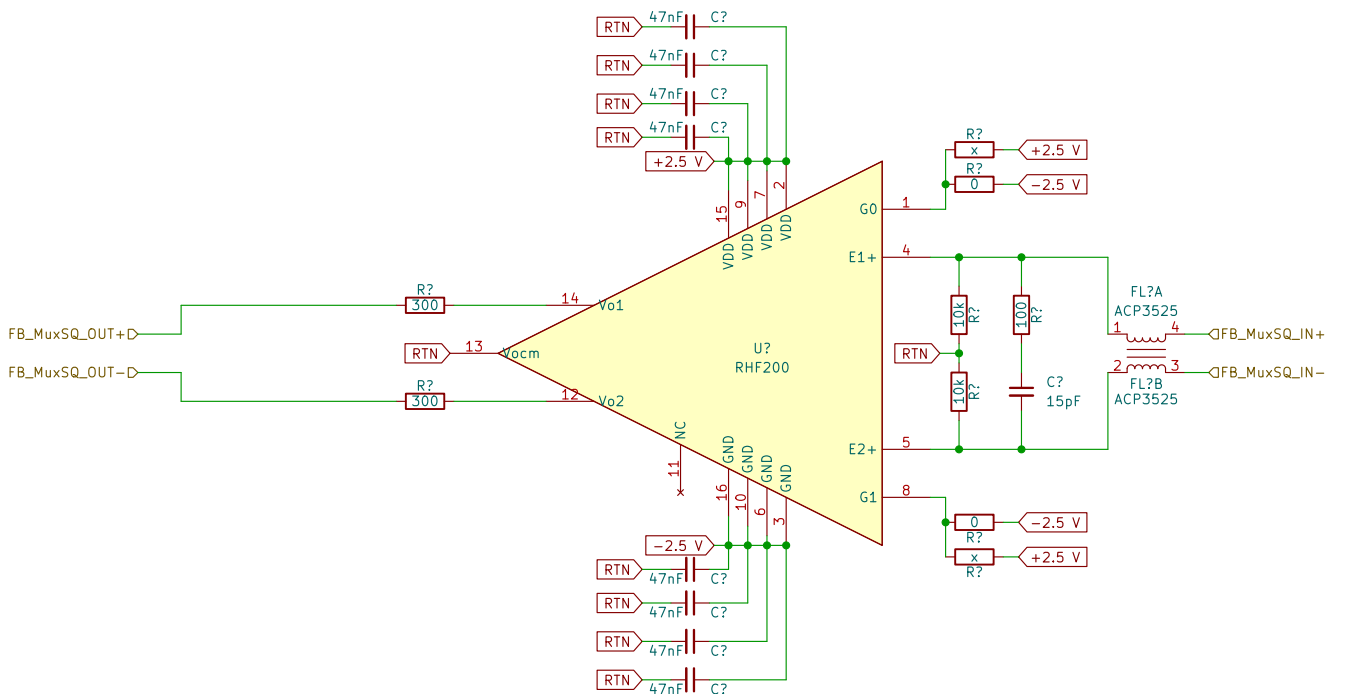
Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

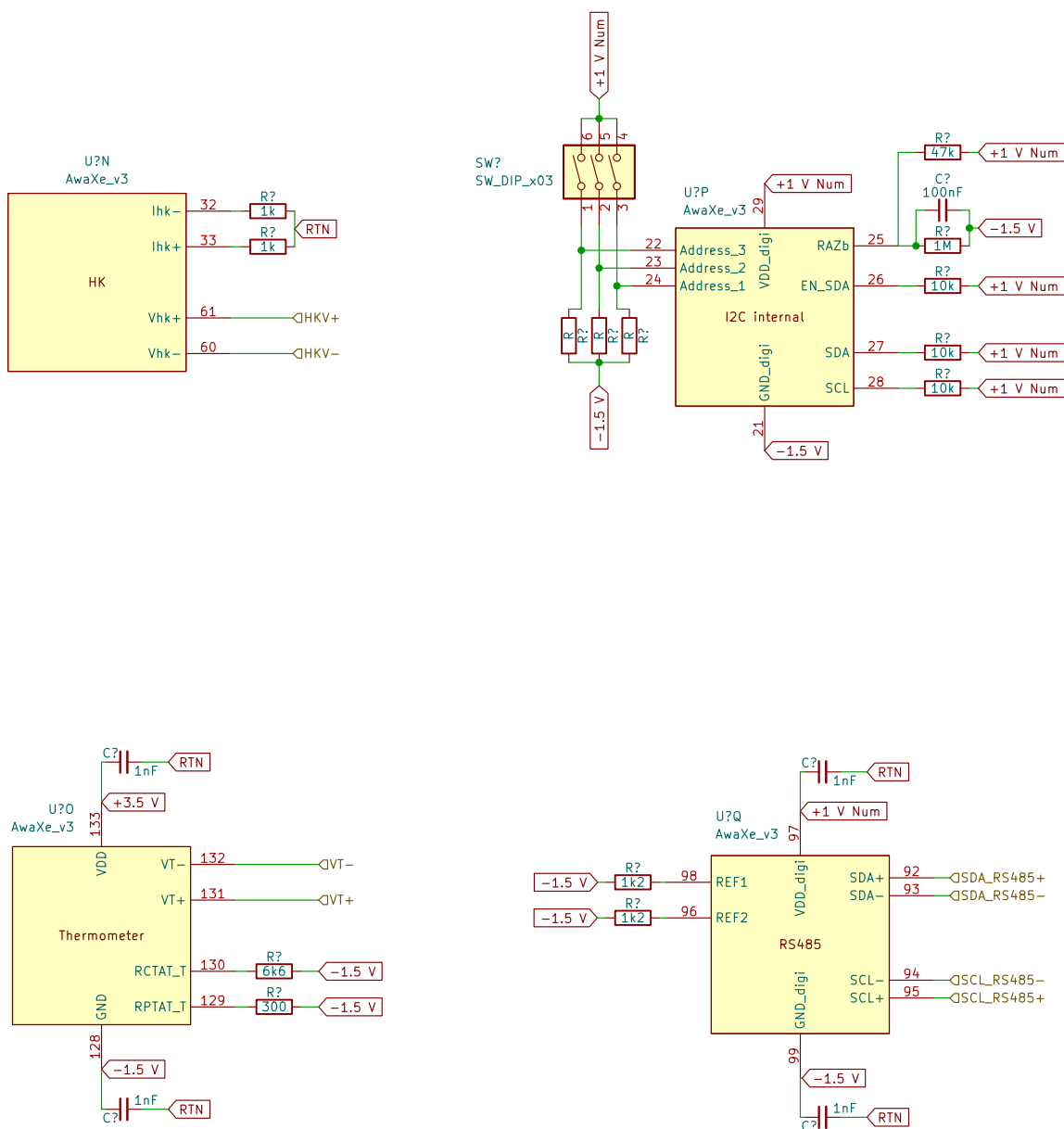
Rev: 1

Id: 44/78

FB MUXSQUID



Id: 45/78



Manuel Gonzalez – APC

Sheet: /ASIC_3/T_HK_BUS_Diodes/

File: untitled.kicad_sch

Title: HK and BUS

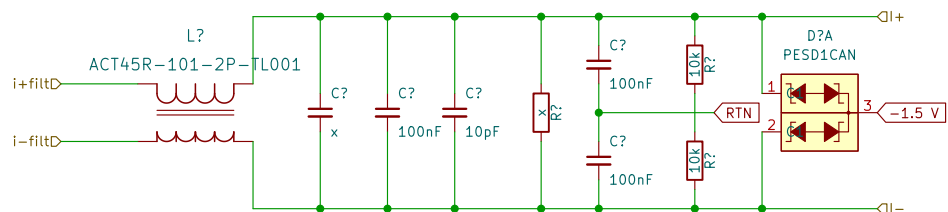
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 46/78



Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/DAC filter/
File: dac-filter.kicad_sch

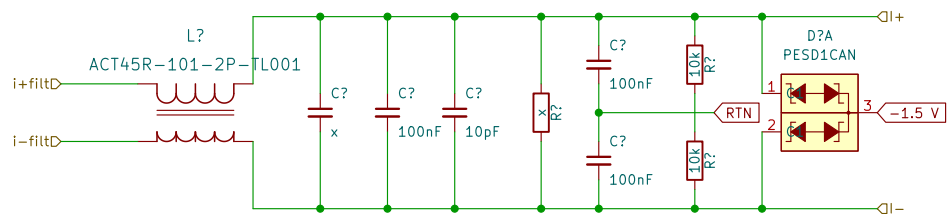
Title:

Size: A4 Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116~ubuntu20.04.1

Rev: 1

Id: 47/78



Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/DAC filter1/

File: dac-filter.kicad_sch

Title:

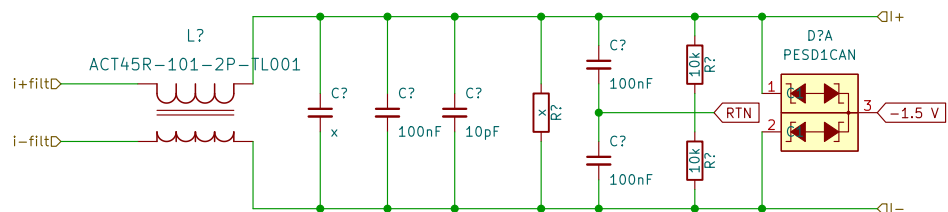
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 48/78



Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/DAC filter2/

File: dac-filter.kicad_sch

Title:

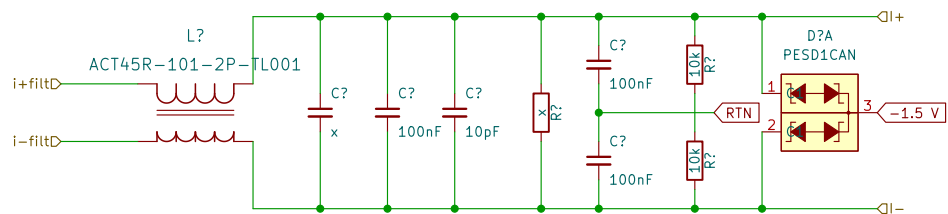
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Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 49/78



Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/DAC filter3/
File: dac-filter.kicad_sch

Title:

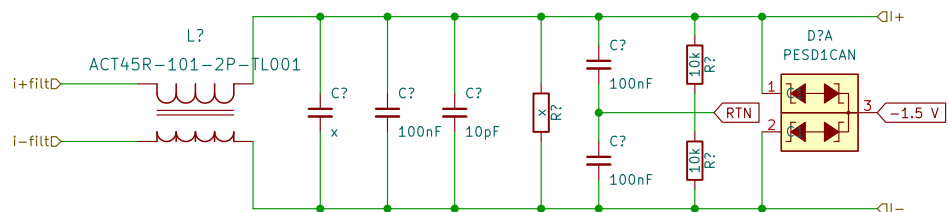
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 50/78



Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/DAC filter4/

File: dac-filter.kicad_sch

Title:

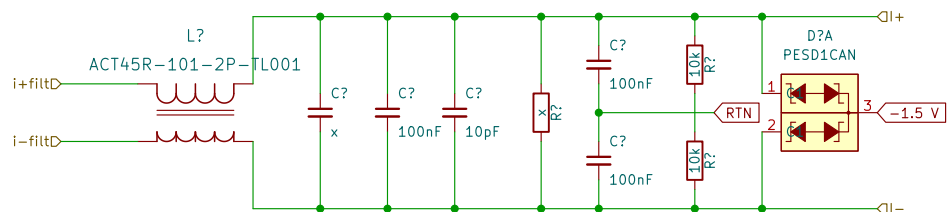
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 51/78



Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/DAC filter6/
File: dac-filter.kicad_sch

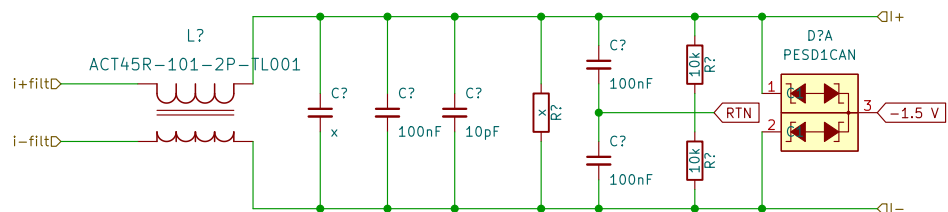
Title:

Size: A4 Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Rev: 1

Id: 52/78



Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/DAC filter7/

File: dac-filter.kicad_sch

Title:

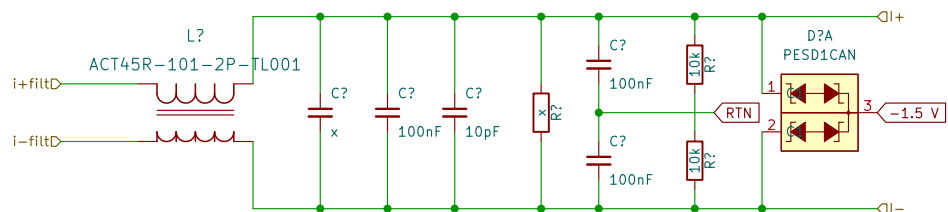
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 53/78



Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/DAC filter5/
File: dac-filter.kicad_sch

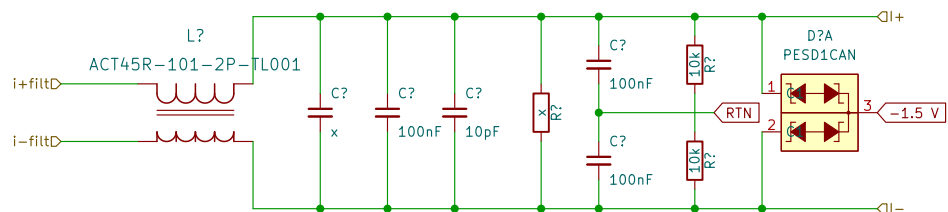
Title:

Size: A4 Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

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Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/DAC filter8/
File: dac-filter.kicad_sch

Title:

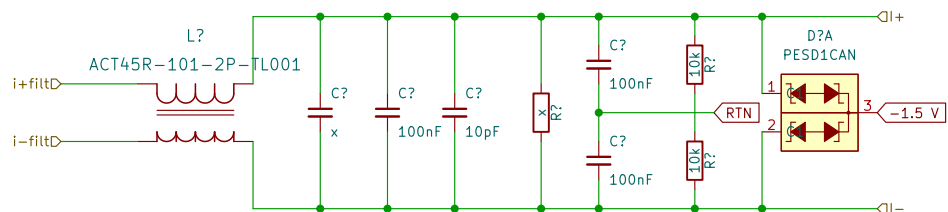
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

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Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/DAC filter9/

File: dac-filter.kicad_sch

Title:

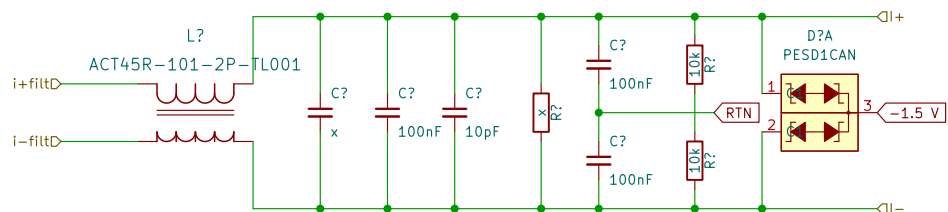
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 56/78



Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/FE Heater 2/

File: dac-filter.kicad_sch

Title:

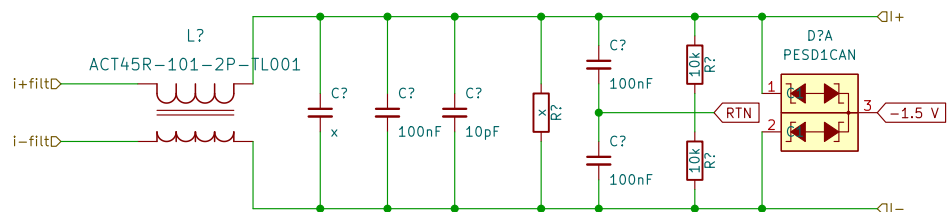
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 57/78



Manuel Gonzalez – APC

Sheet: /ASIC_3/DACs/FE Heater 1/

File: dac-filter.kicad_sch

Title:

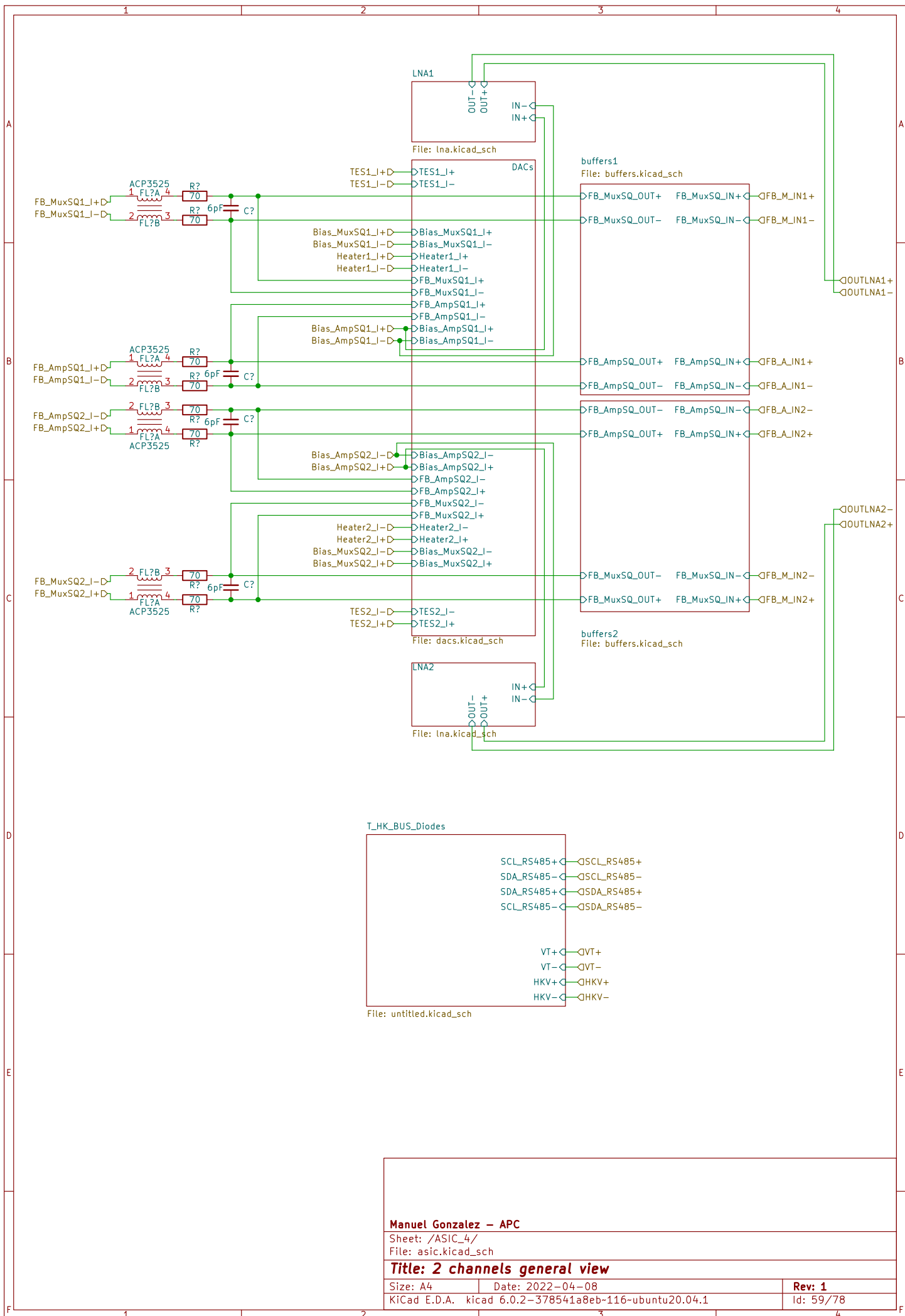
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

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Manuel Gonzalez – APC

Sheet: /ASIC_4/

File: asic.kicad_sch

Title: 2 channels general view

Size: A4

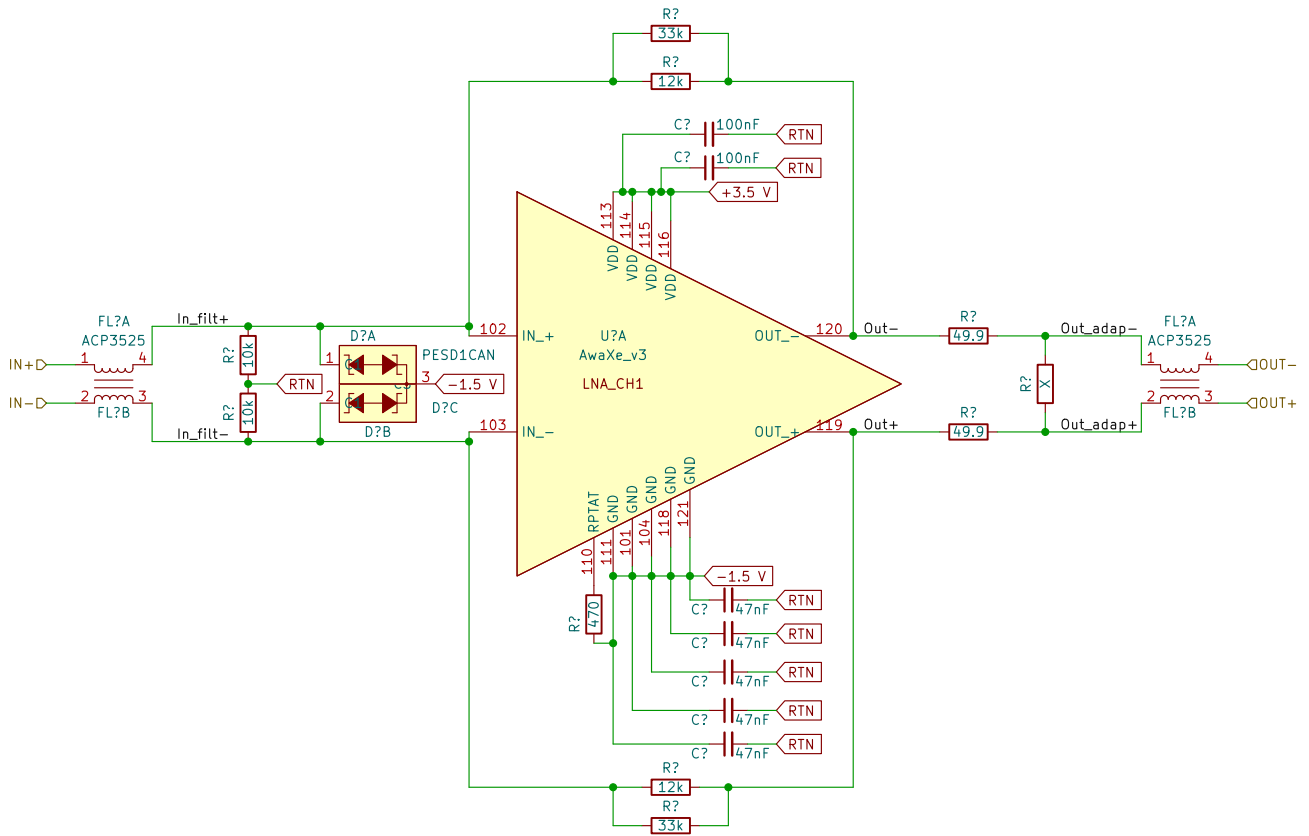
Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116~ubuntu20.04.1

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LNA



Manuel Gonzalez – APC

Sheet: /ASIC_4/LNA1/

File: lna.kicad_sch

Title:

Size: A4

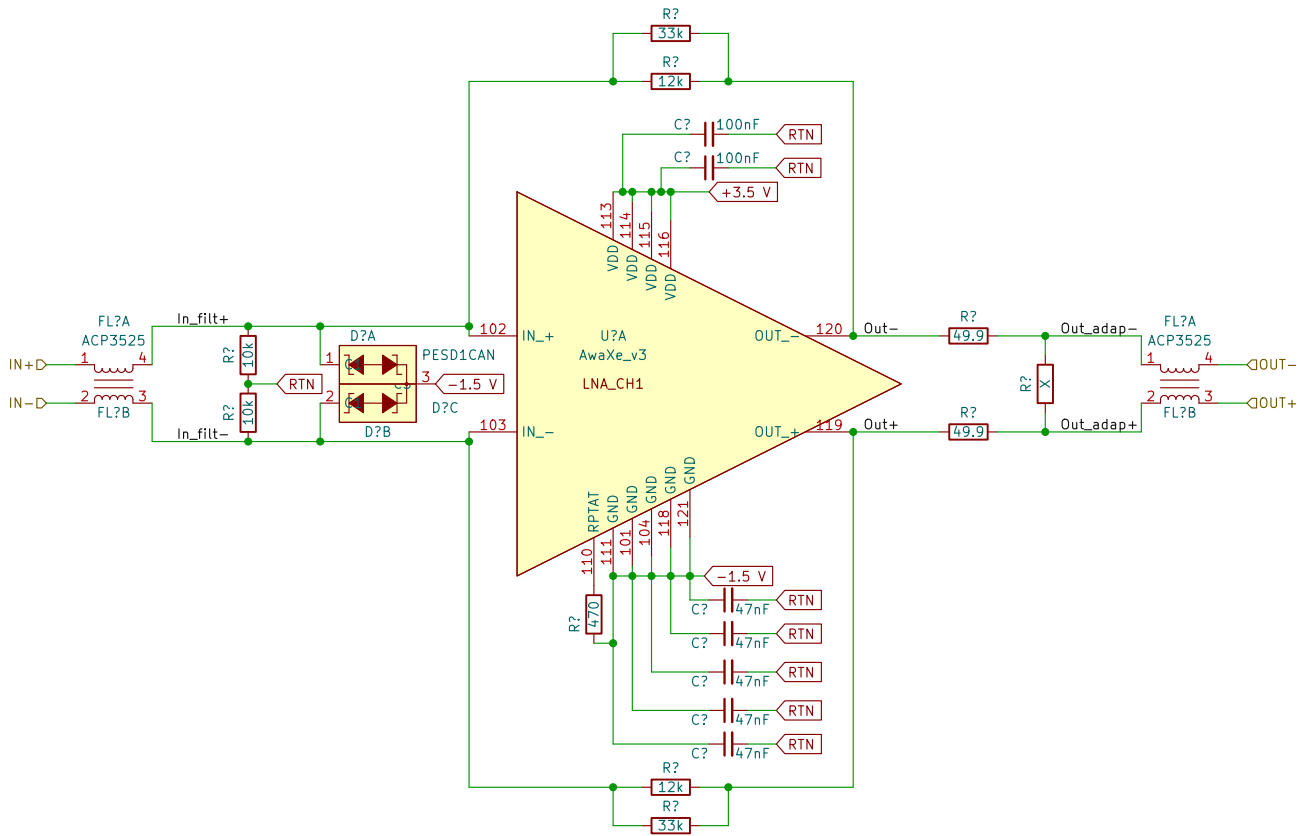
Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

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LNA



Manuel Gonzalez – APC

Sheet: /ASIC_4/LNA2/

File: lna.kicad_sch

Title:

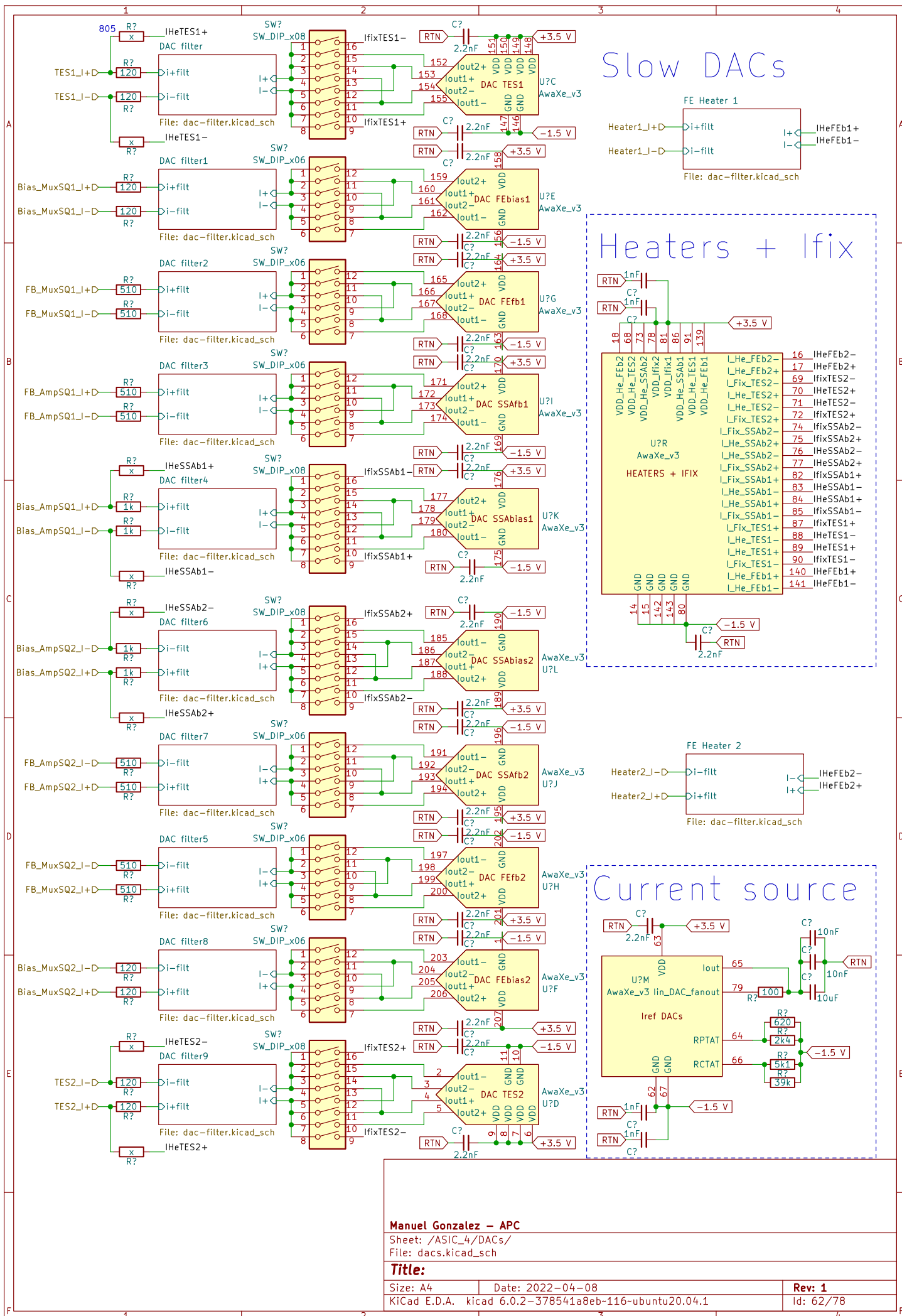
Size: A4

Date: 2022-04-08

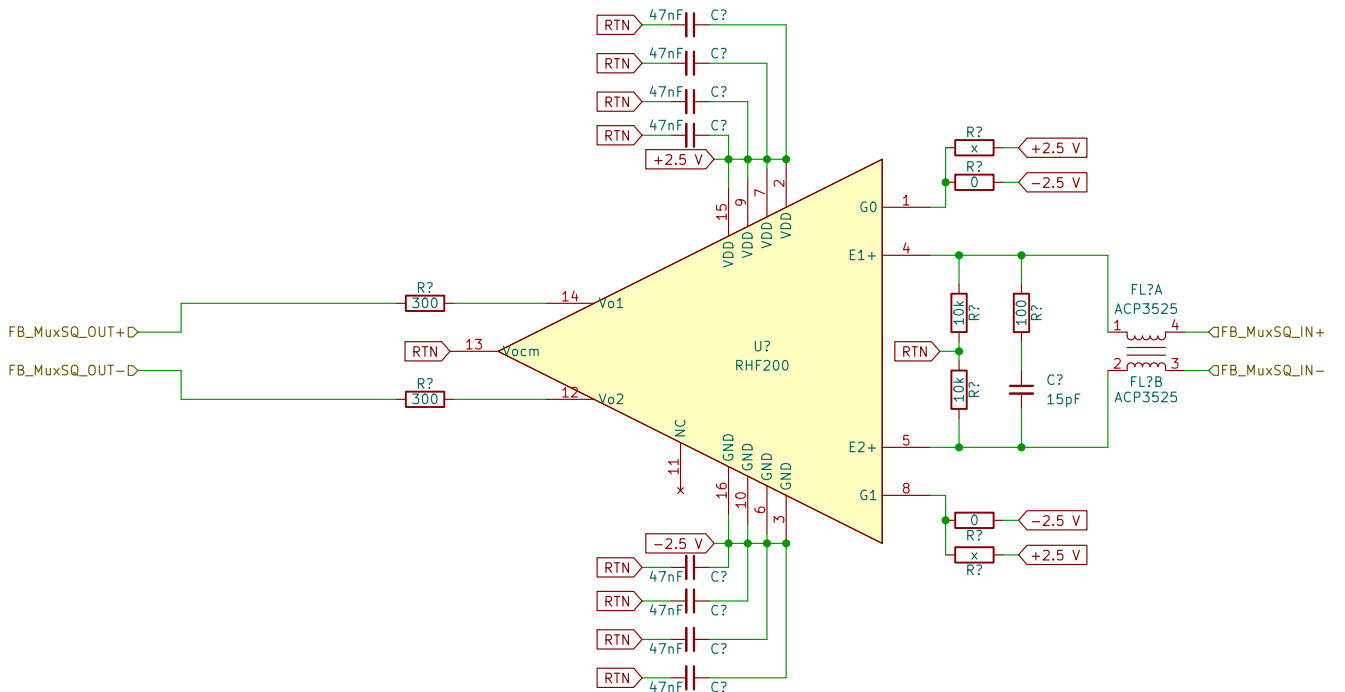
Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

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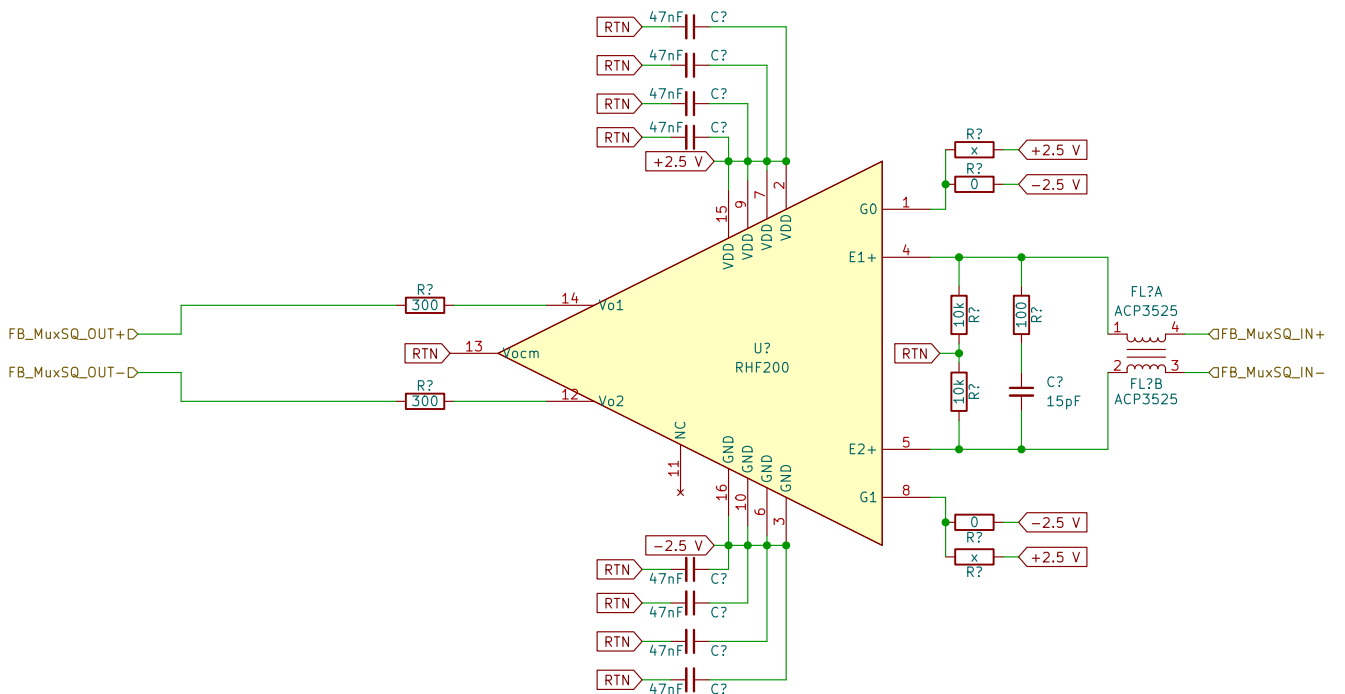


FB MUXSQUID

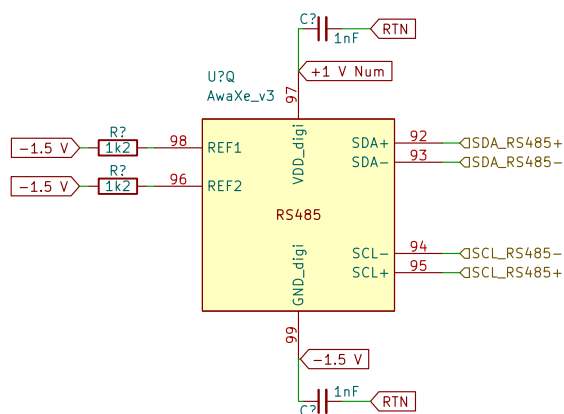
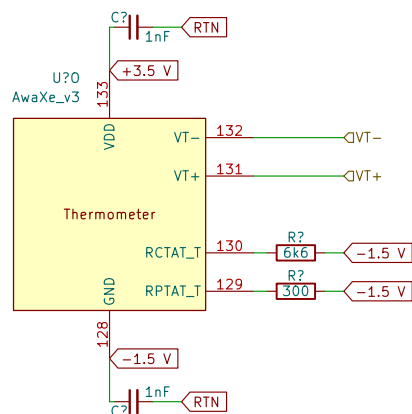
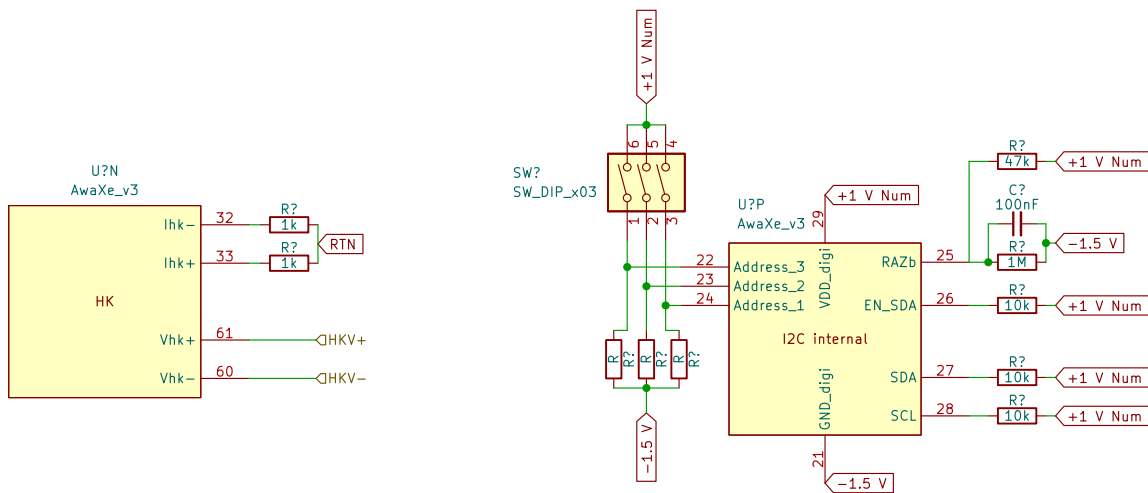


REV: 1
Id: 63/78

FB MUXSQUID



Id: 64/78



Manuel Gonzalez – APC

Sheet: /ASIC_4/T_HK_BUS_Diodes/

File: untitled.kicad_sch

Title: HK and BUS

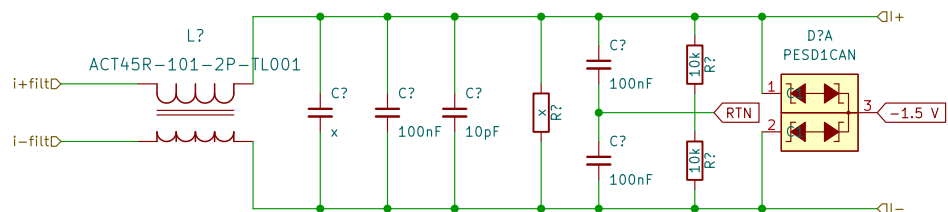
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 65/78



Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/DAC filter/
File: dac-filter.kicad_sch

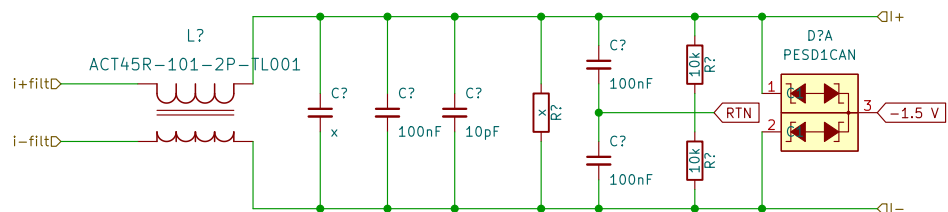
Title:

Size: A4 Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Rev: 1

Id: 66/78



Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/DAC filter1/

File: dac-filter.kicad_sch

Title:

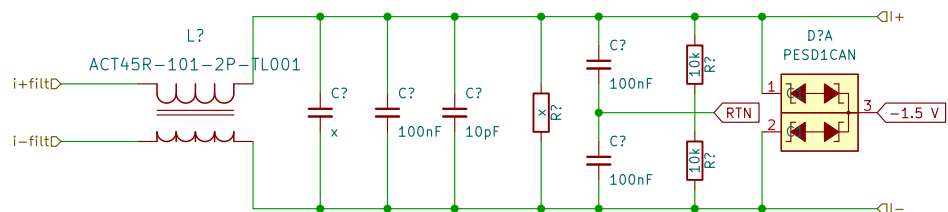
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116~ubuntu20.04.1

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Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/DAC filter2/

File: dac-filter.kicad_sch

Title:

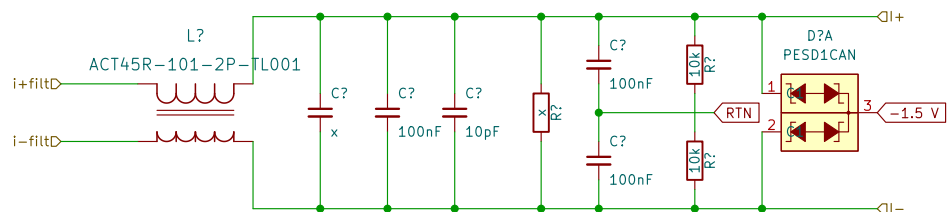
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 68/78



Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/DAC filter3/

File: dac-filter.kicad_sch

Title:

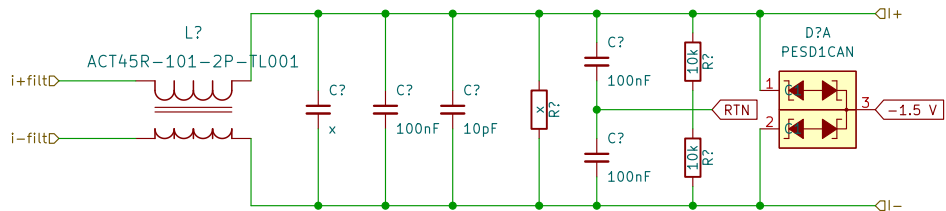
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 69/78



Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/DAC filter4/
File: dac-filter.kicad_sch

Title:

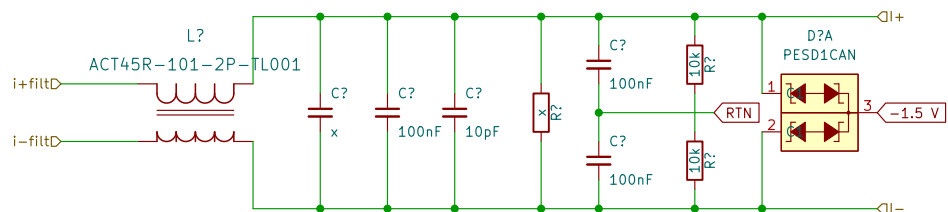
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 70/78



Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/DAC filter6/

File: dac-filter.kicad_sch

Title:

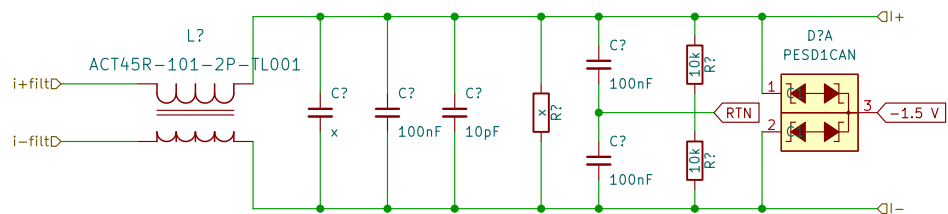
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 71/78



Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/DAC filter7/

File: dac-filter.kicad_sch

Title:

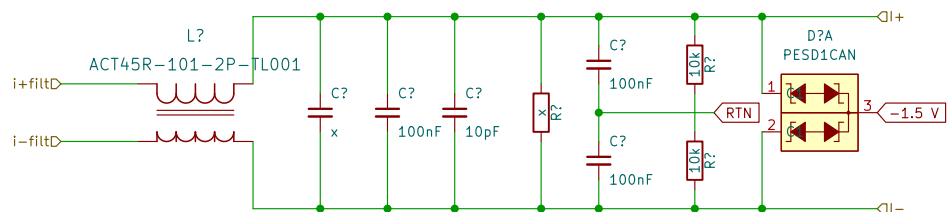
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 72/78



Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/DAC filter5/
File: dac-filter.kicad_sch

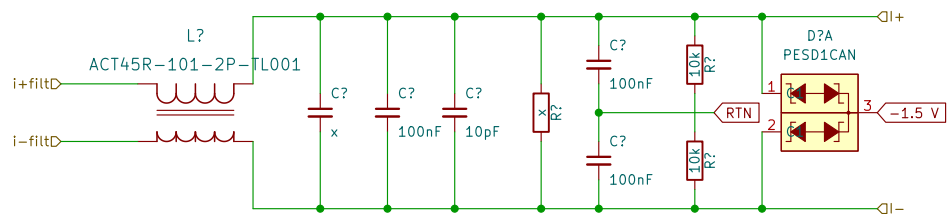
Title:

Size: A4 Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Rev: 1

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Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/DAC filter8/
File: dac-filter.kicad_sch

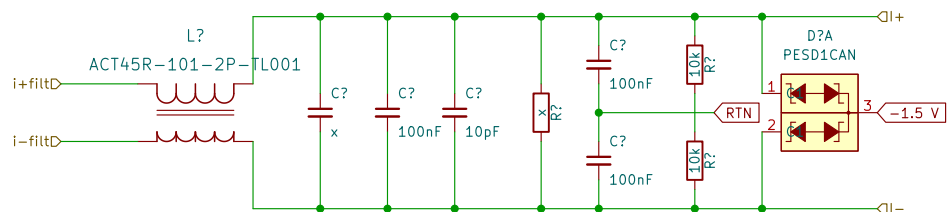
Title:

Size: A4 Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Rev: 1

Id: 74/78



Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/DAC filter9/

File: dac-filter.kicad_sch

Title:

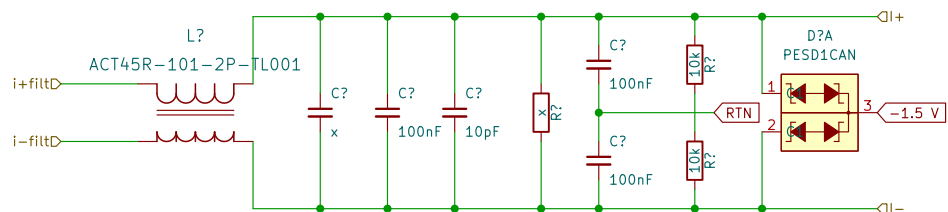
Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

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Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/FE Heater 2/
File: dac-filter.kicad_sch

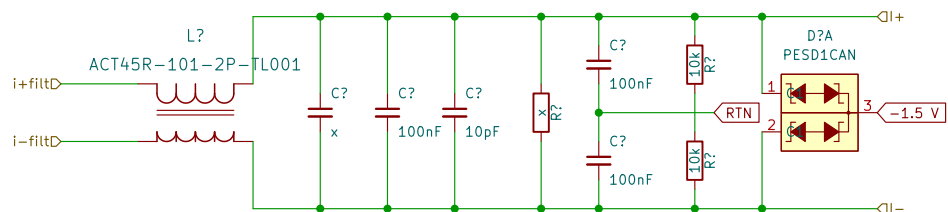
Title:

Size: A4 Date: 2022-04-08

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Rev: 1

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Manuel Gonzalez – APC

Sheet: /ASIC_4/DACs/FE Heater 1/
File: dac-filter.kicad_sch

Title:

Size: A4

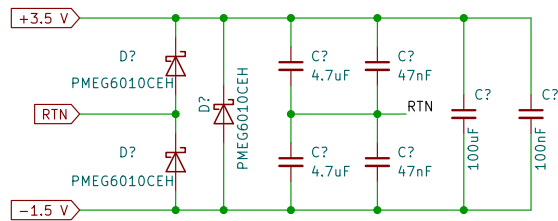
Date: 2022-04-08

Rev: 1

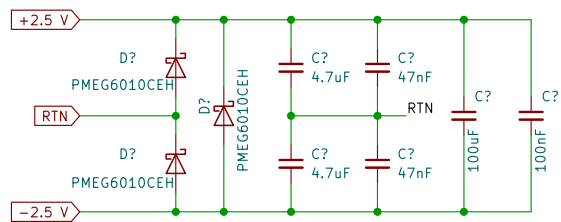
KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 77/78

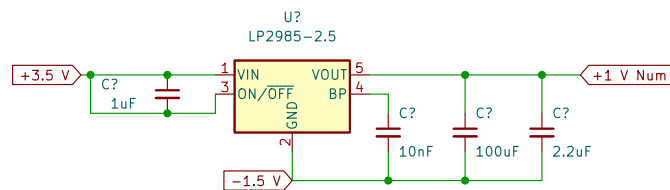
Main power filtering



Buffers power filtering



Digital power



Manuel Gonzalez – APC

Sheet: /power/

File: power.kicad_sch

Title:

Size: A4

Date: 2022-04-08

Rev: 1

KiCad E.D.A. kicad 6.0.2-378541a8eb-116-ubuntu20.04.1

Id: 78/78