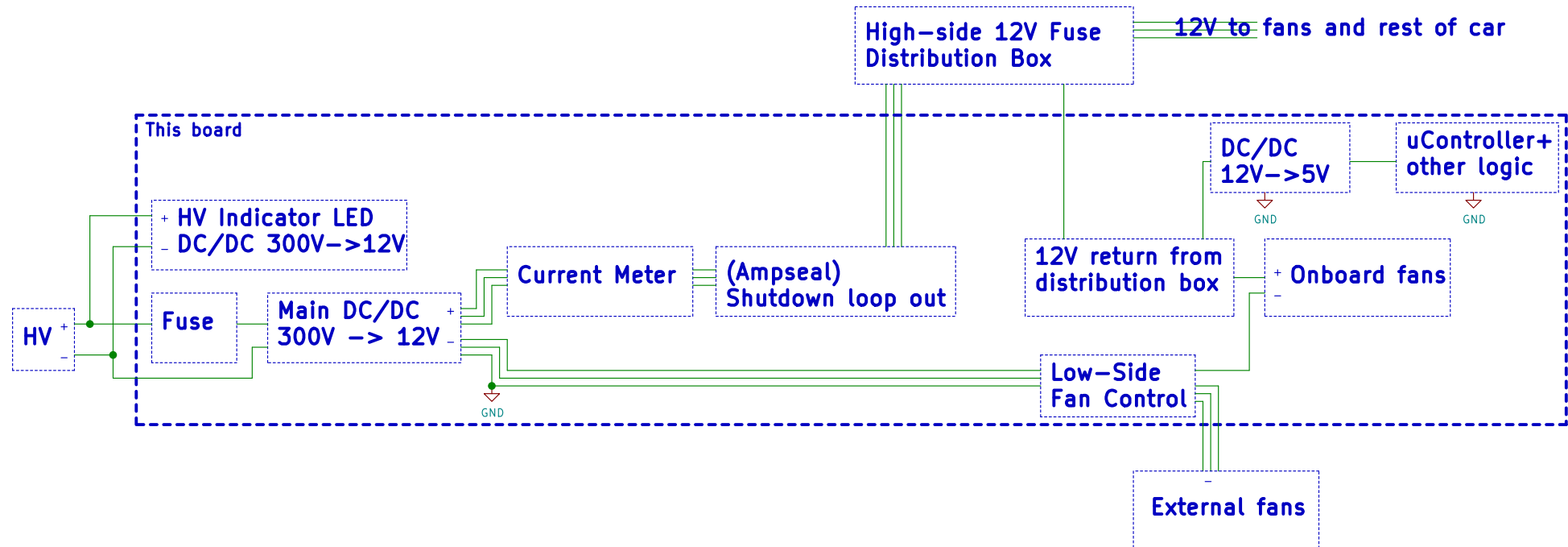


CS4 HV Interface Board



Main
file5C8327BD.sch

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Sheet: /
File: interface-board.sch

Title:

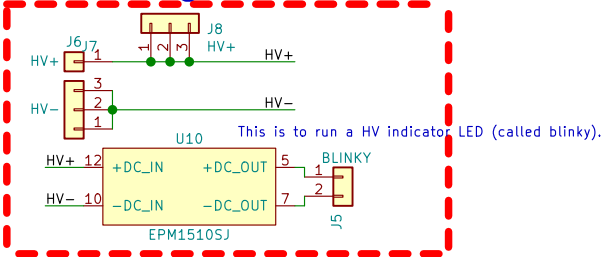
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KiCad E.D.A. kicad (5.0.2)-1

Date:

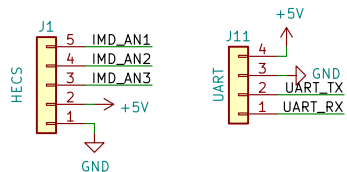
Rev:

Id: 1/6

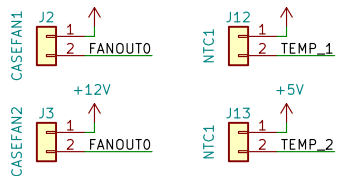
HV Danger!



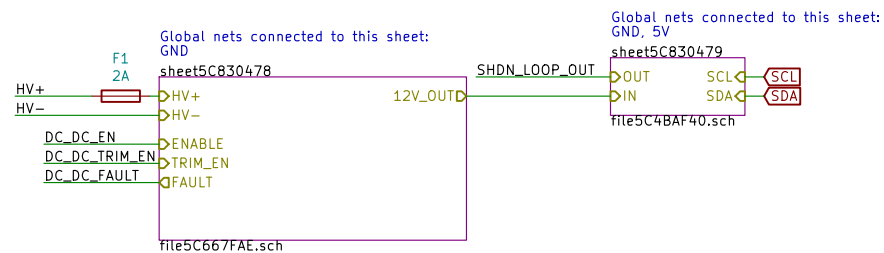
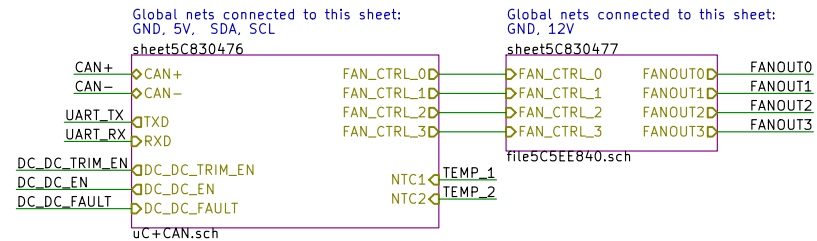
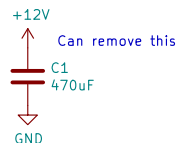
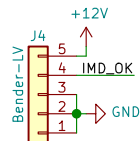
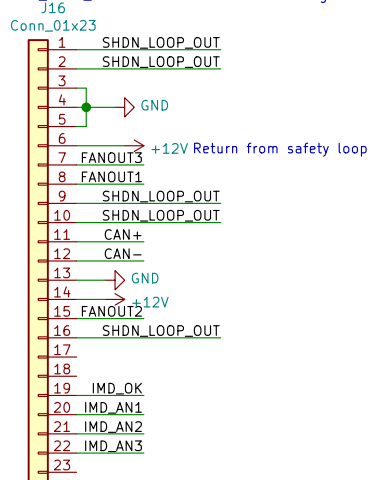
Current monitor for HV and UART debug port



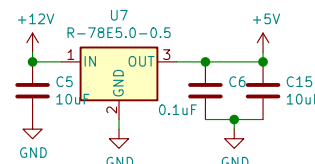
Local fan controls and thermocoupler inputs



SHDN_LOOP_OUT is connected to 12V through shutdown loop



12V->5V



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Sheet: /Main/
File: file5C83278D.sch

Title:

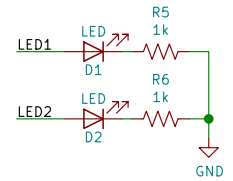
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KiCad E.D.A. kicad (5.0.2)-1

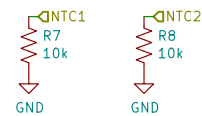
Rev:

Id: 2/6

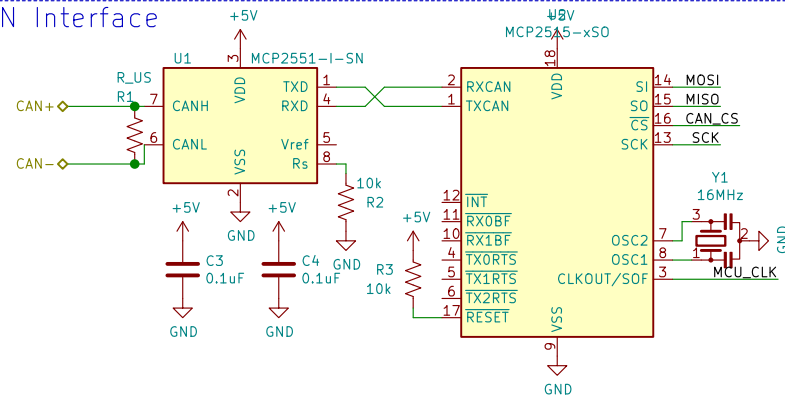


Thermistor Inputs

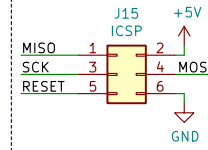
Filtering circuitry???



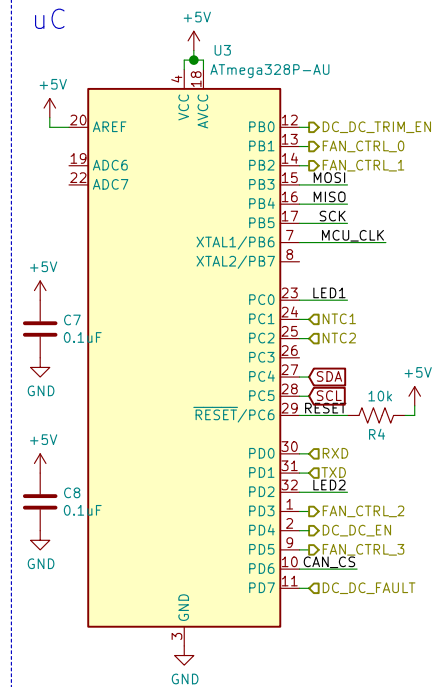
CAN Interface



ICSP



uC



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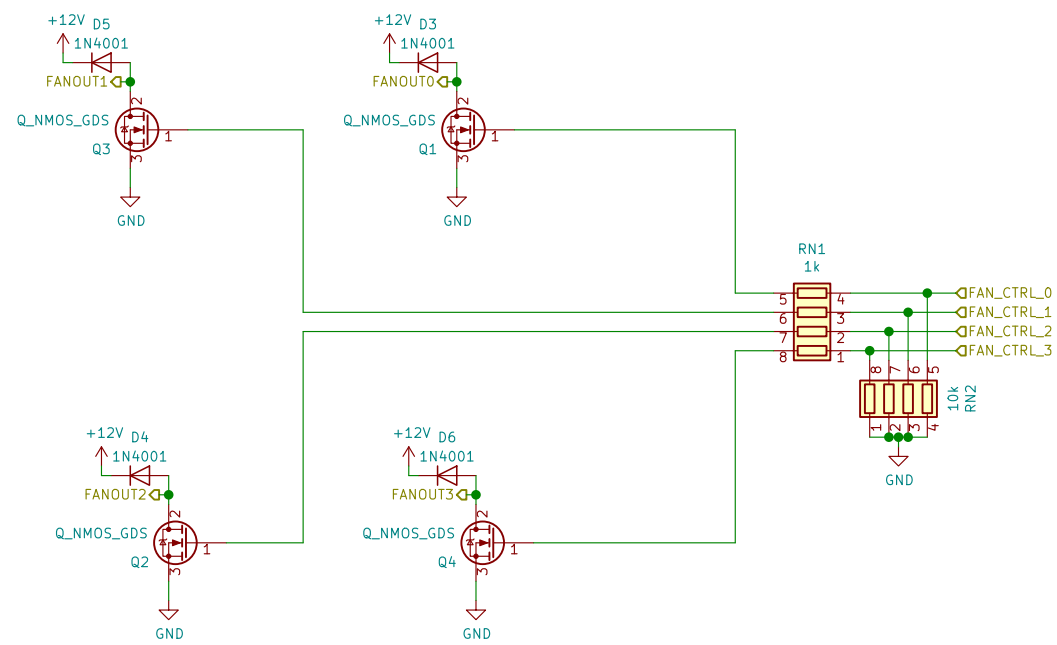
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Rev:
Id: 3/6

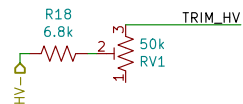
Caps across fan outputs a good idea maybe?



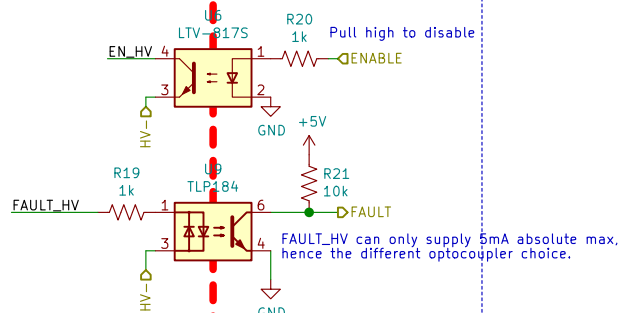
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| | | |
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| Title: | | |
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. kicad (5.0.2)-1 | | Id: 4/6 |

Trim Control

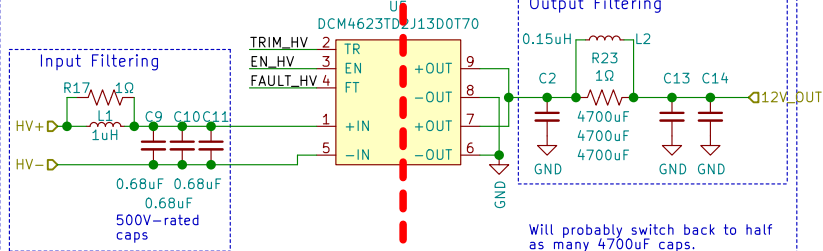


HV-Interface



**HV
Danger!**

HV->12V DC-DC



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File: file5C667FAE.sch

Title:

Size: A4

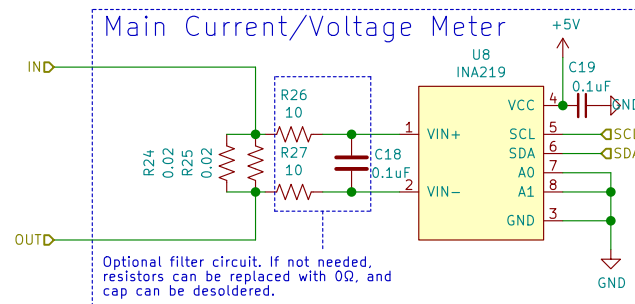
Date:

KiCad E.D.A. kicad (5.0.2)-1

Rev:

Id: 5/6

May want to change shunt
value to better suit current
range.



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Sheet: /Main/sheet5C830479/
File: file5C4BAF40.sch

Title:

Size: A4
KiCad E.D.A. kicad (5.0.2)-1

Date:

Rev:
Id: 6/6