

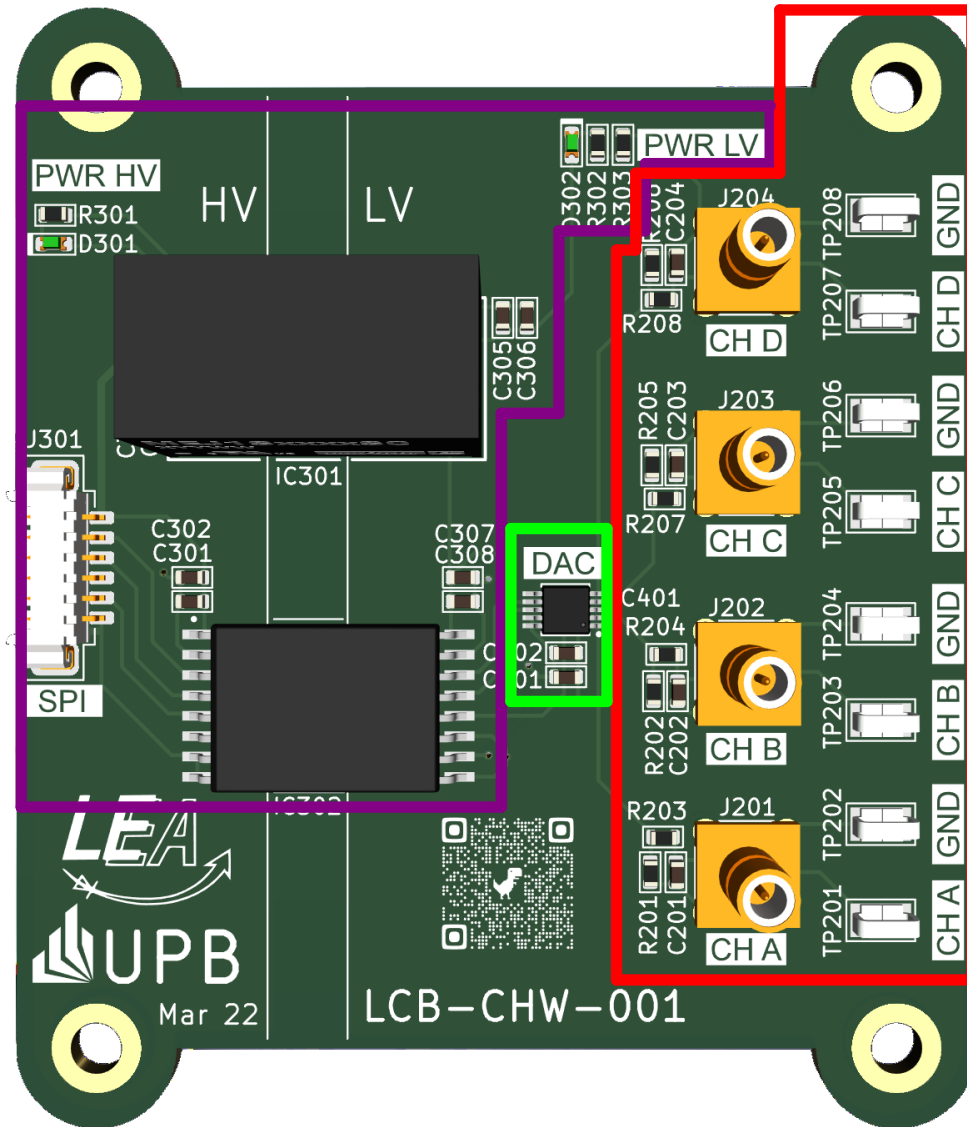
Isolation



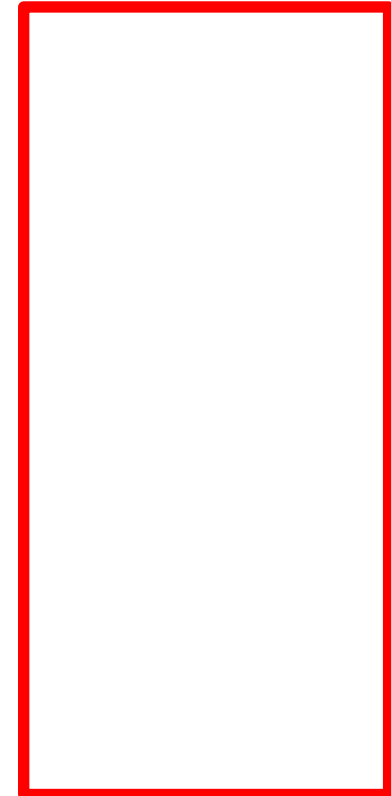
DAC



https://github.com/upb-lea/LEA_control_board



Output Ports



Components reference:

2XX -> Page 2

3XX -> Page 3

4XX -> Page 4

PADERBORN UNIVERSITY DEPARTMENT OF POWER ELECTRONICS AND ELECTRICAL DRIVES

Sheet: /

File: Hardware_Monitor.kicad_sch

Title: LCB-CHW-001: HARDWARE MONITOR

Size: A4 Date: 2021-11-12

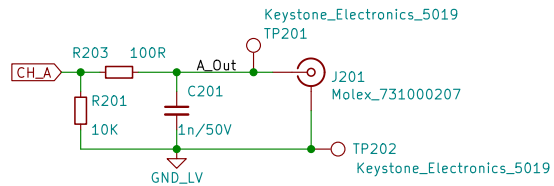
KiCad E.D.A. kicad (6.0.2-0)

Rev: V0.1

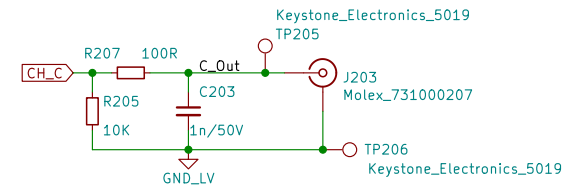
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Output Ports

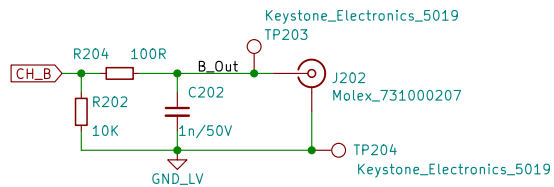
Channel A Output



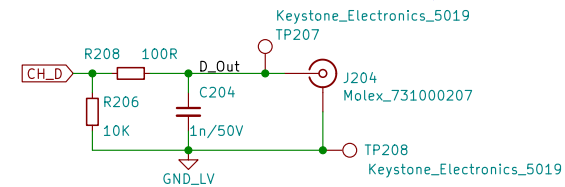
Channel C Output



Channel B Output



Channel D Output



Mounting Holes



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Sheet: /Output Ports/
File: Output_Ports.kicad_sch

Title: Output Ports

Size: A4 Date: 2021-11-12

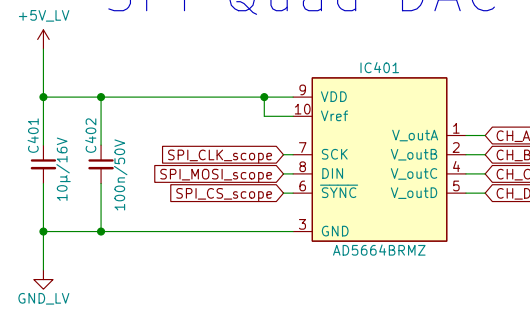
KiCad E.D.A. kicad (6.0.2-0)

Rev: V0.1

Id: 2/4

DAC

SPI Quad DAC



PADERBORN UNIVERSITY DEPARTMENT OF POWER ELECTRONICS AND ELECTRICAL DRIVES

Sheet: /DAC/

File: DAC.kicad_sch

Title: DAC

Size: A4 Date: 2021-11-12

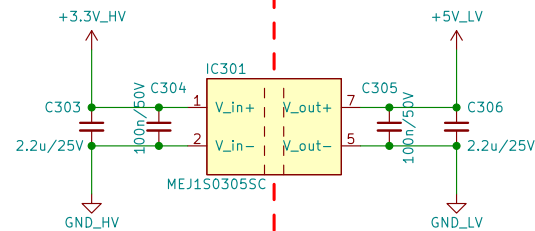
KiCad E.D.A. kicad (6.0.2-0)

Rev: V0.1

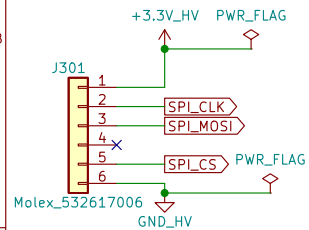
Id: 3/4

ISOLATION

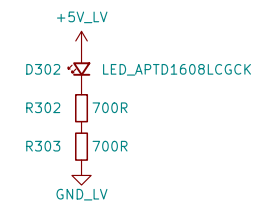
Isolated DCDC



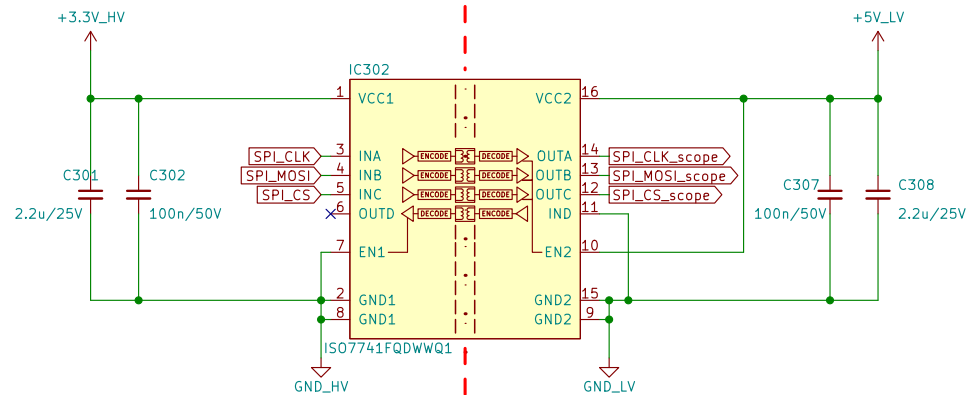
Input Port



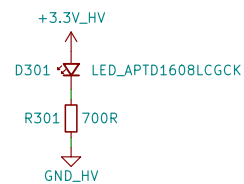
Power Indicator LV



Unidirectional SPI Isolation



Power Indicator HV



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Sheet: /Isolation/
File: Isolation.kicad_sch

Title: Isolation

Size: A4 Date: 2021-11-12
KiCad E.D.A. kicad (6.0.2-0)

Rev: V0.1
Id: 4/4

