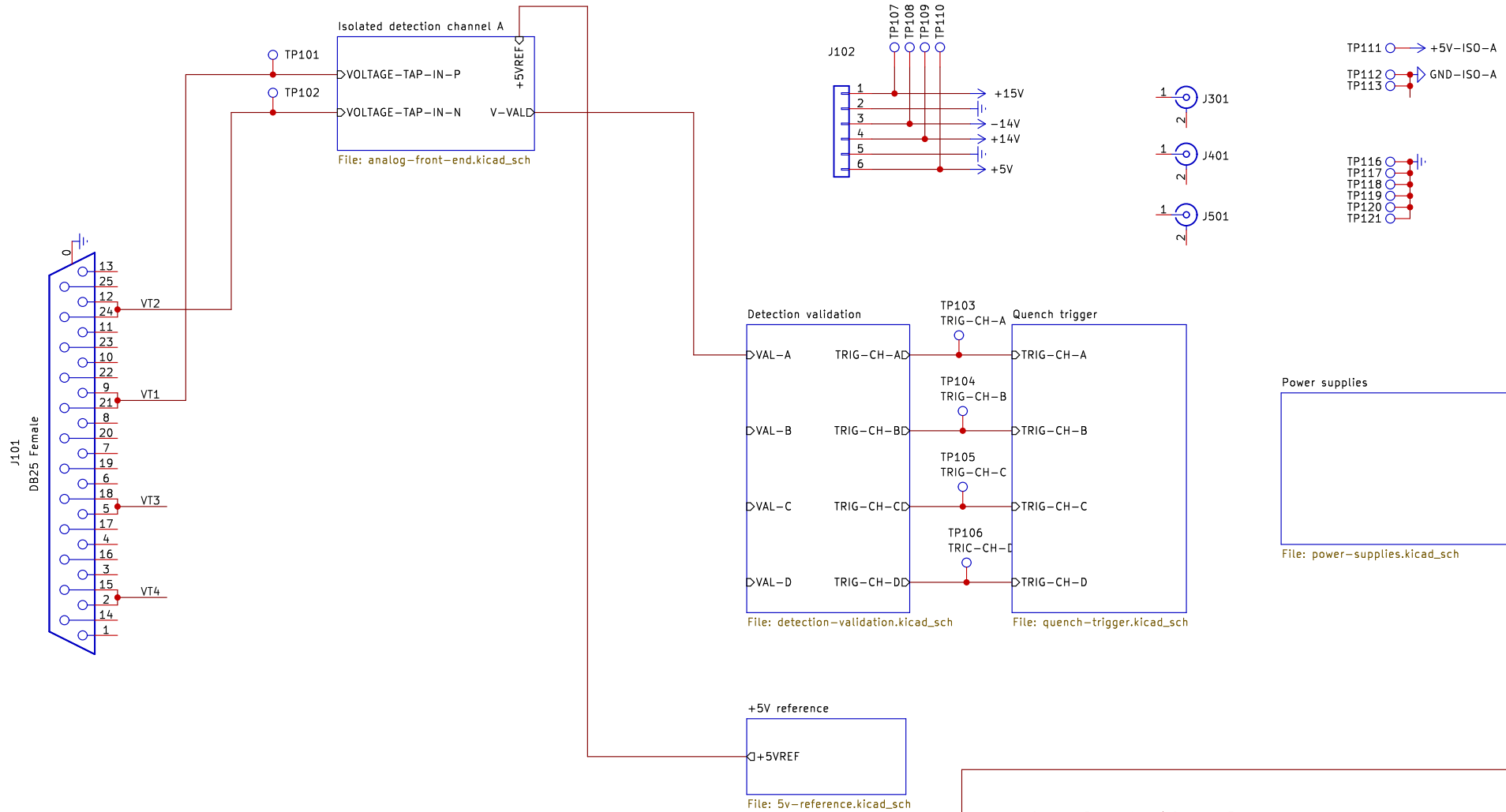


Quench detection system for vertical cryostat



Authors: Gabriel Brunheira / Samuel Fraga

Group: ENT/AIS

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Sheet: /

File: qds-cv.kicad_sch

Title: Quench Detection for Vertical Cryostat

Size: A4

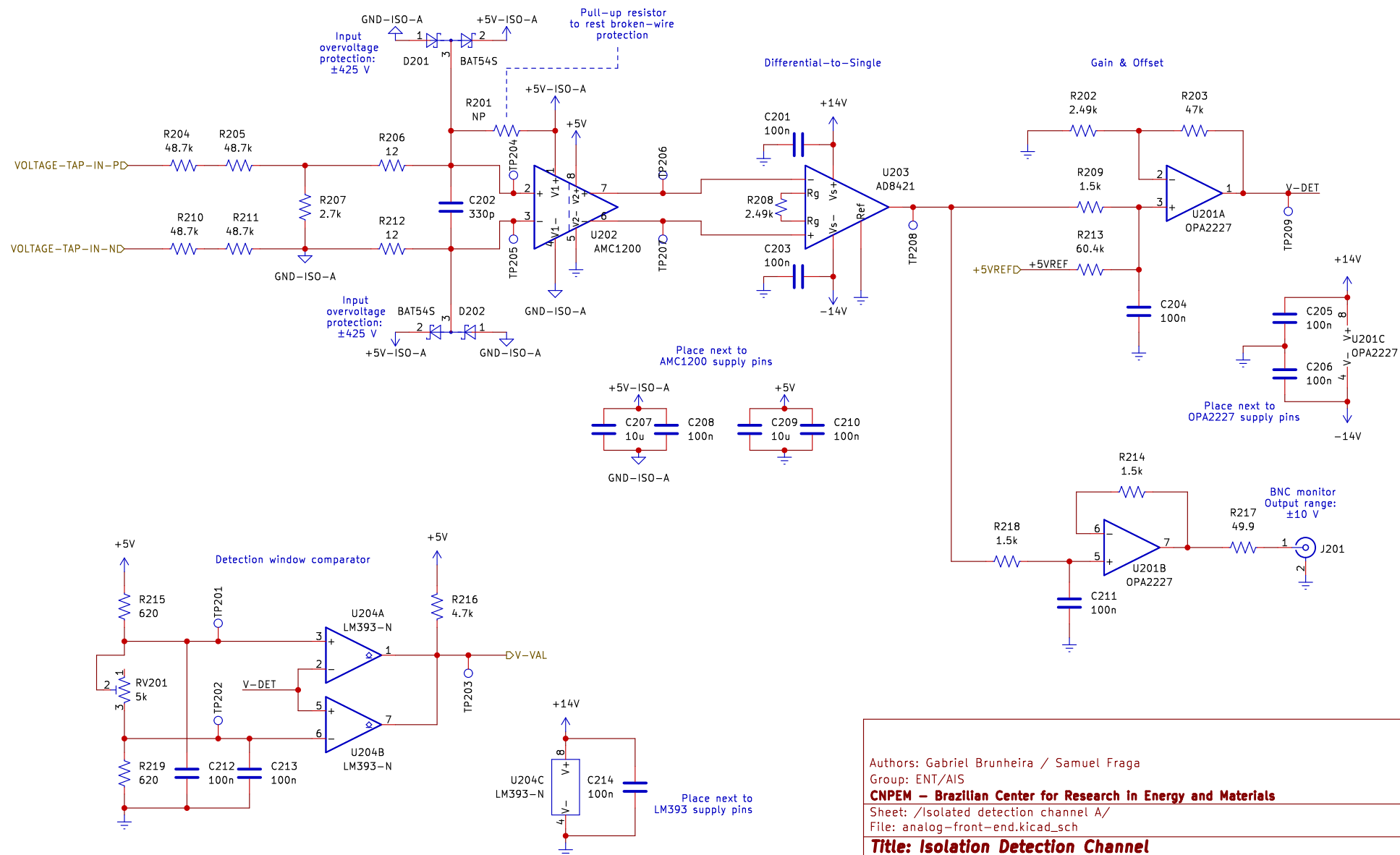
Date:

Rev: v1.0.0

KiCad E.D.A. kicad (6.0.11)

Id: 1/6

Isolated detection channel



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Sheet: /Isolated detection channel A/

File: analog-front-end.kicad_sch

Title: Isolation Detection Channel

Size: A4

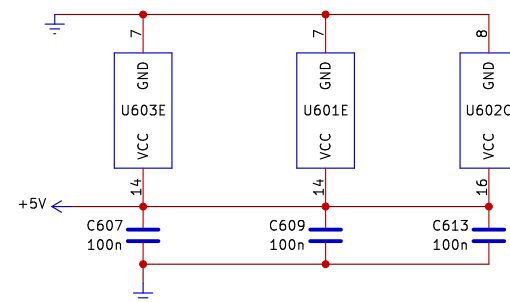
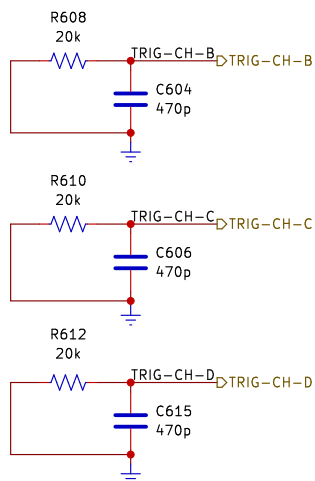
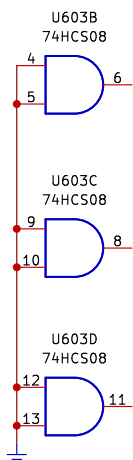
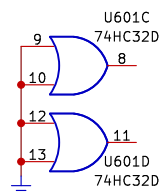
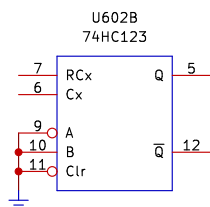
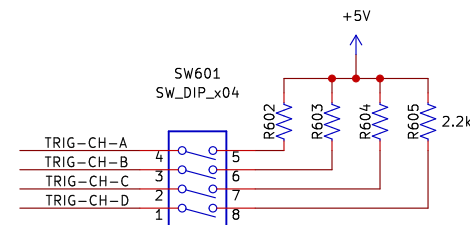
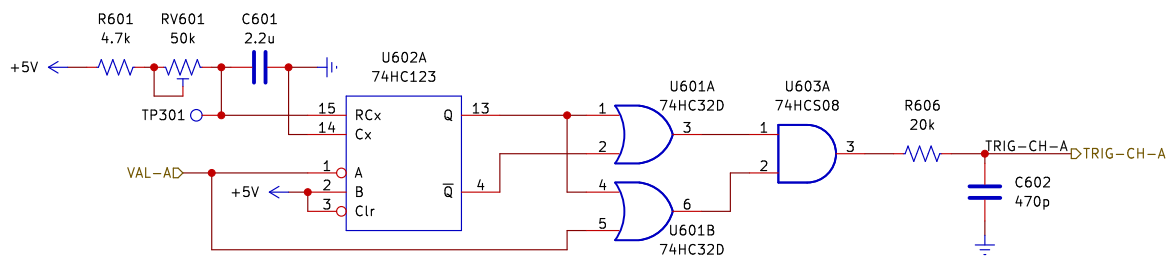
Date:

KiCad E.D.A. kicad (6.0.11)

Rev: v1.0.0

Id: 2/6

Detection validation



Authors: Gabriel Brunheira / Samuel Fraga

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Sheet: /Detection validation/

File: detection-validation.kicad_sch

Title: Detection Validation Circuits

Size: A4

Date:

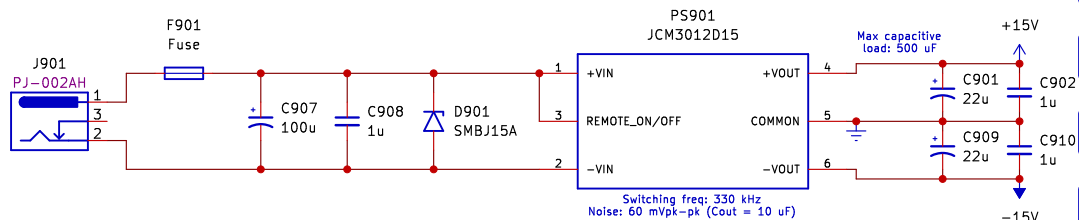
KiCad E.D.A. kicad (6.0.11)

Rev: v1.0.0

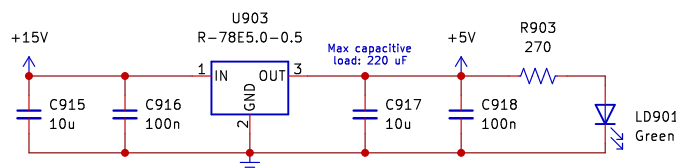
Id: 6/6

Power supplies

±15V main isolated DC-DC converter

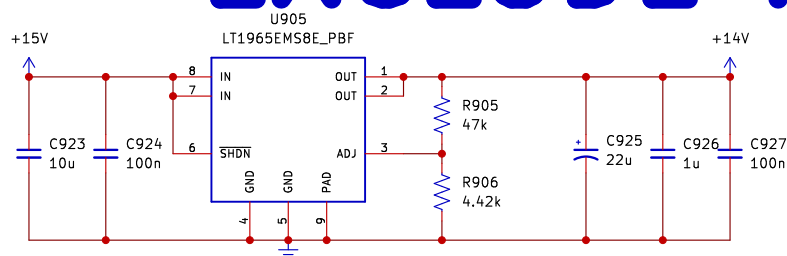


+5V DC-DC converter

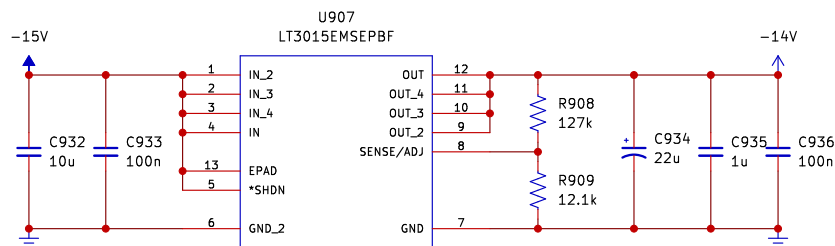


EXCLUDE FROM BOARD

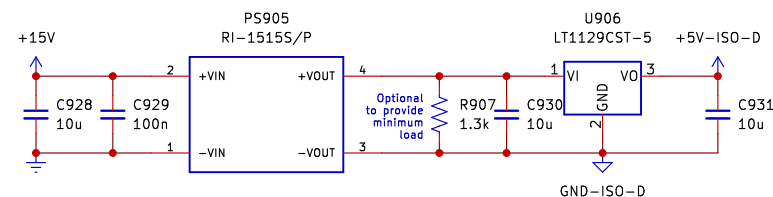
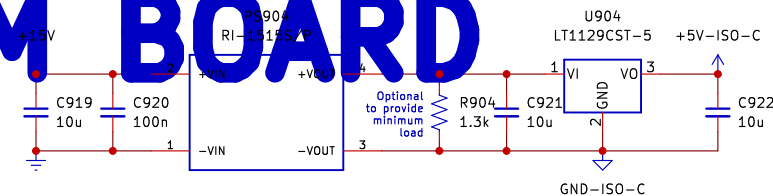
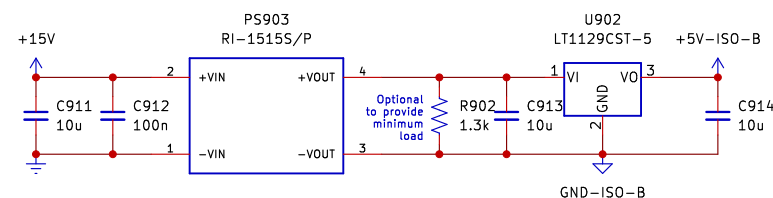
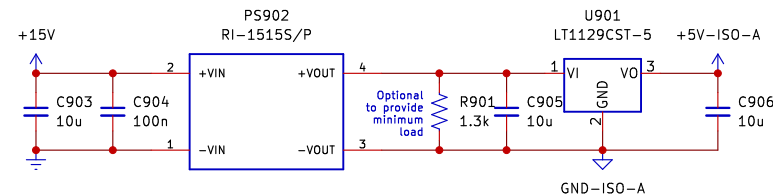
+14V linear regulator



-14V linear regulator



Isolated power supplies



Authors: Gabriel Brunheira / Samuel Fraga

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Sheet: /Power supplies/

File: power-supplies.kicad_sch

Title: Power Supplies

Size: A4

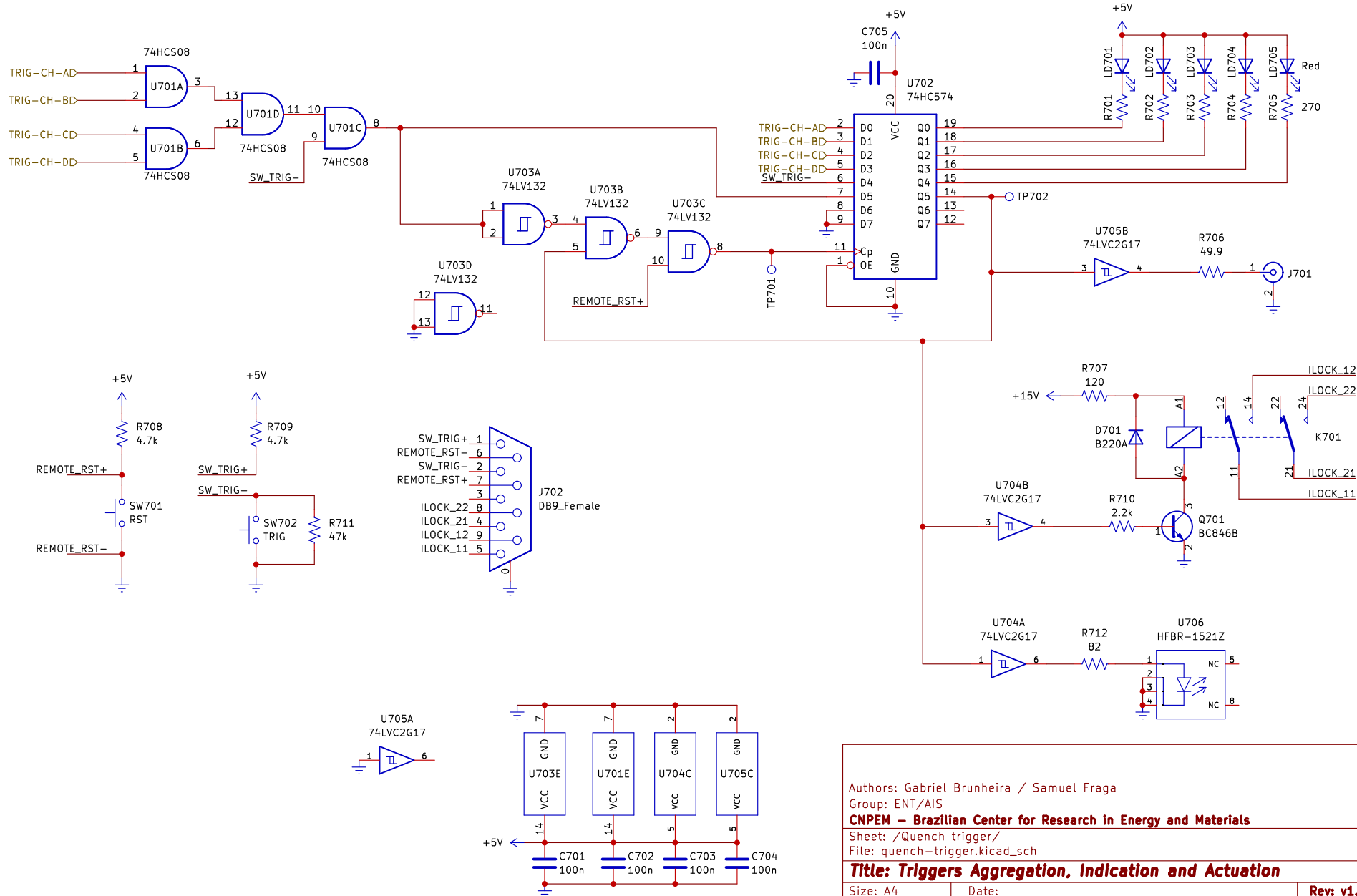
Date:

KiCad E.D.A. kicad (6.0.11)

Rev: v1.0.0

Id: 6/6

Triggers aggregation, indication and actuation



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Sheet: /Quench trigger/

File: quench-trigger.kicad_sch

Title: Triggers Aggregation, Indication and Actuation

Size: A4

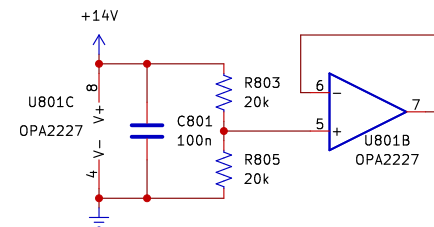
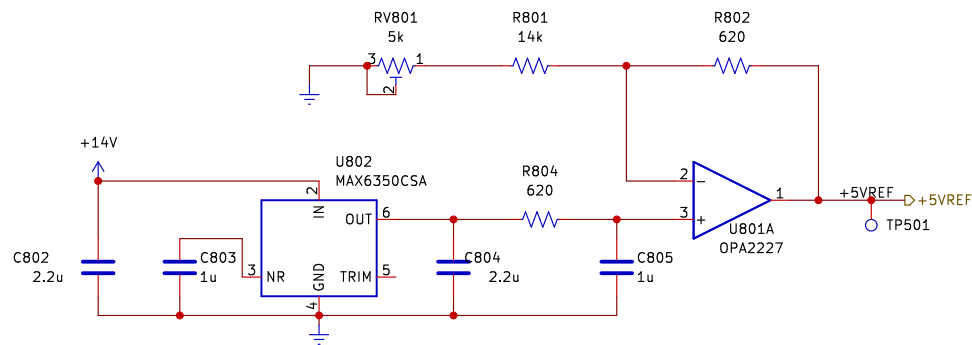
Date:

KiCad E.D.A. kicad (6.0.11)

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Id: 7/6

+5V reference circuit



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Sheet: /+5V reference/
File: 5v-reference.kicad_sch

Title:		
Size: A4	Date:	Rev: v1.0.0
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