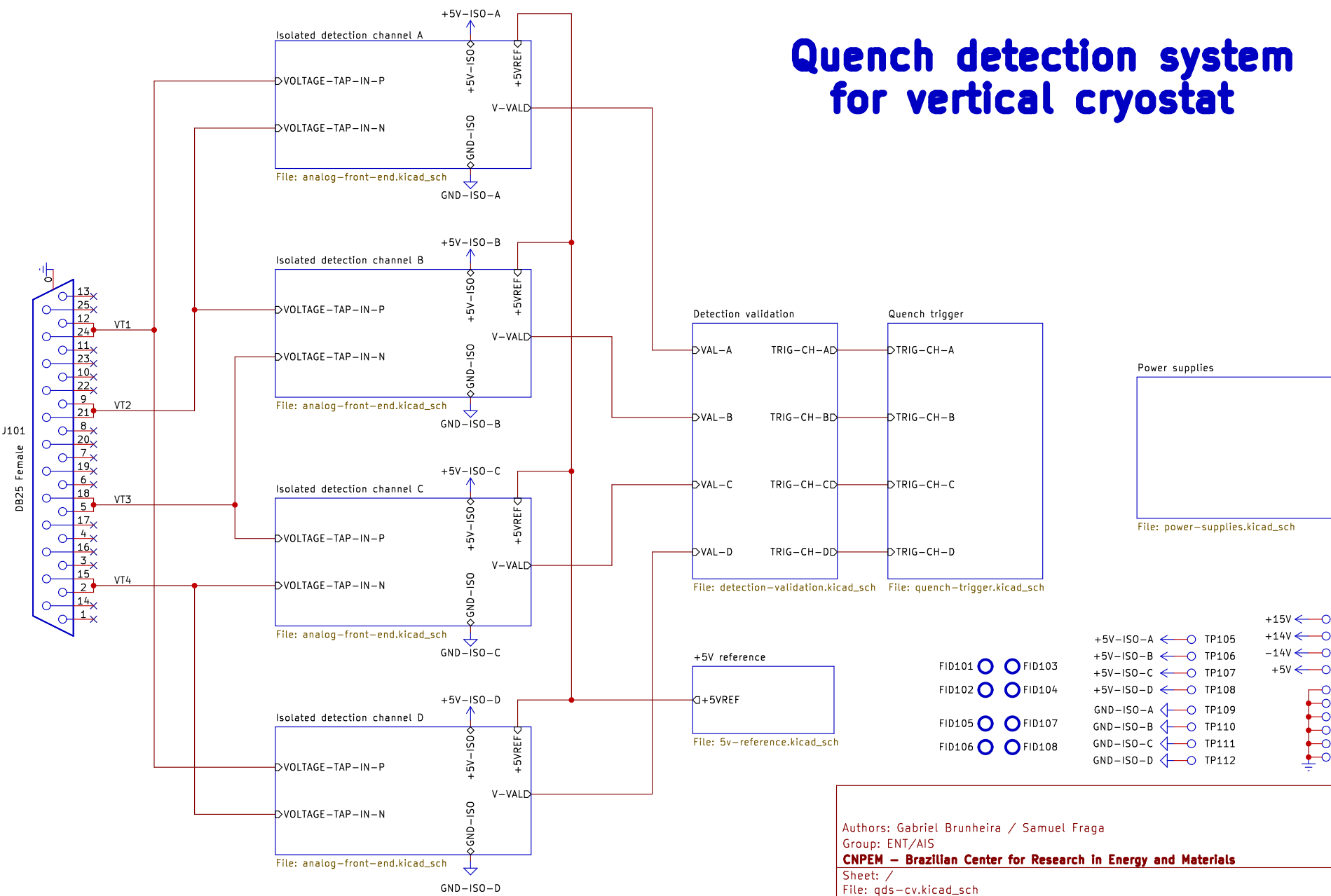
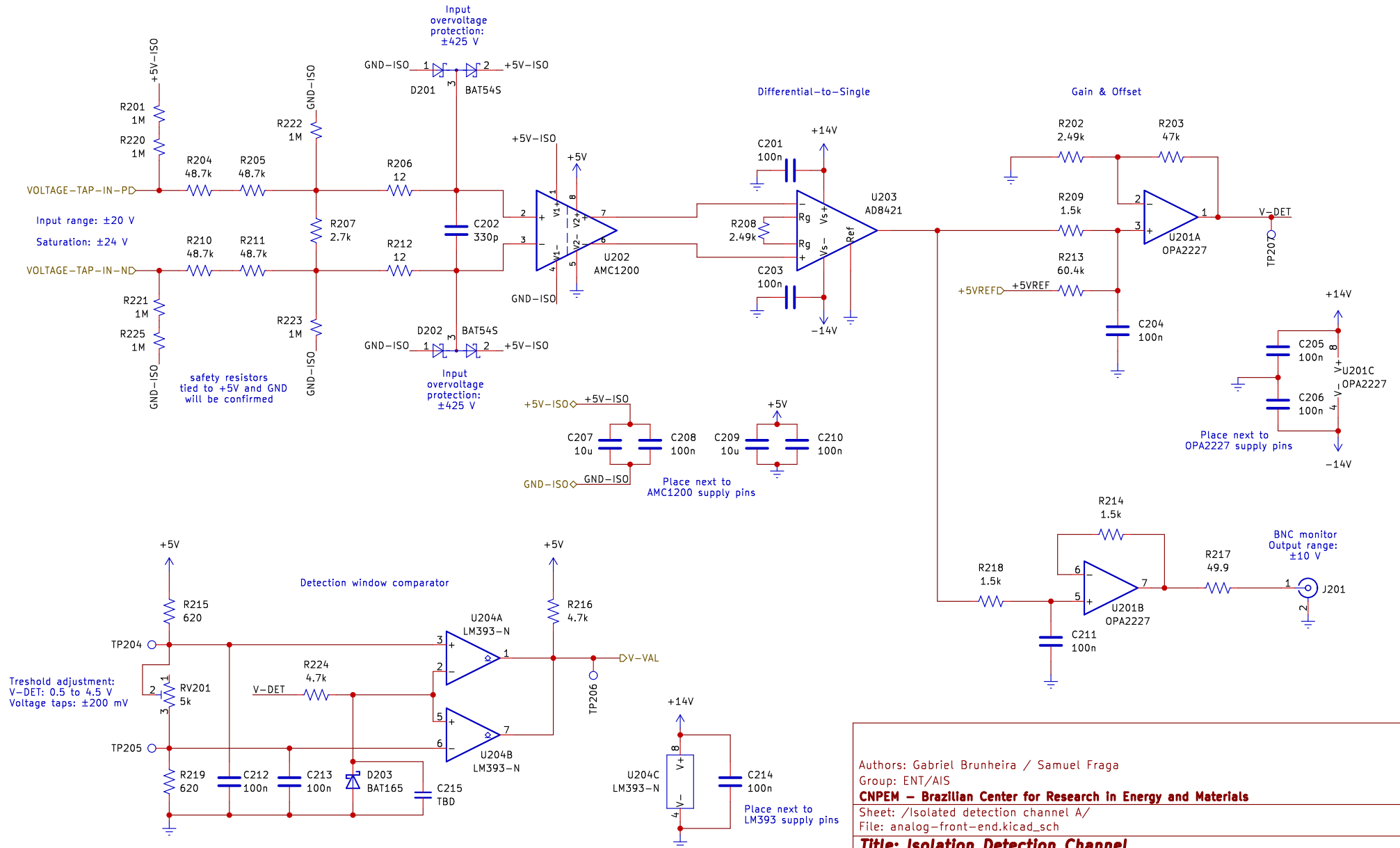


Quench detection system for vertical cryostat



Isolated detection channel



Authors: Gabriel Brunheira / Samuel Fraga

Group: ENT/AIS

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Sheet: /Isolated detection channel A/

File: analog-front-end.kicad_sch

Title: Isolation Detection Channel

Size: A4

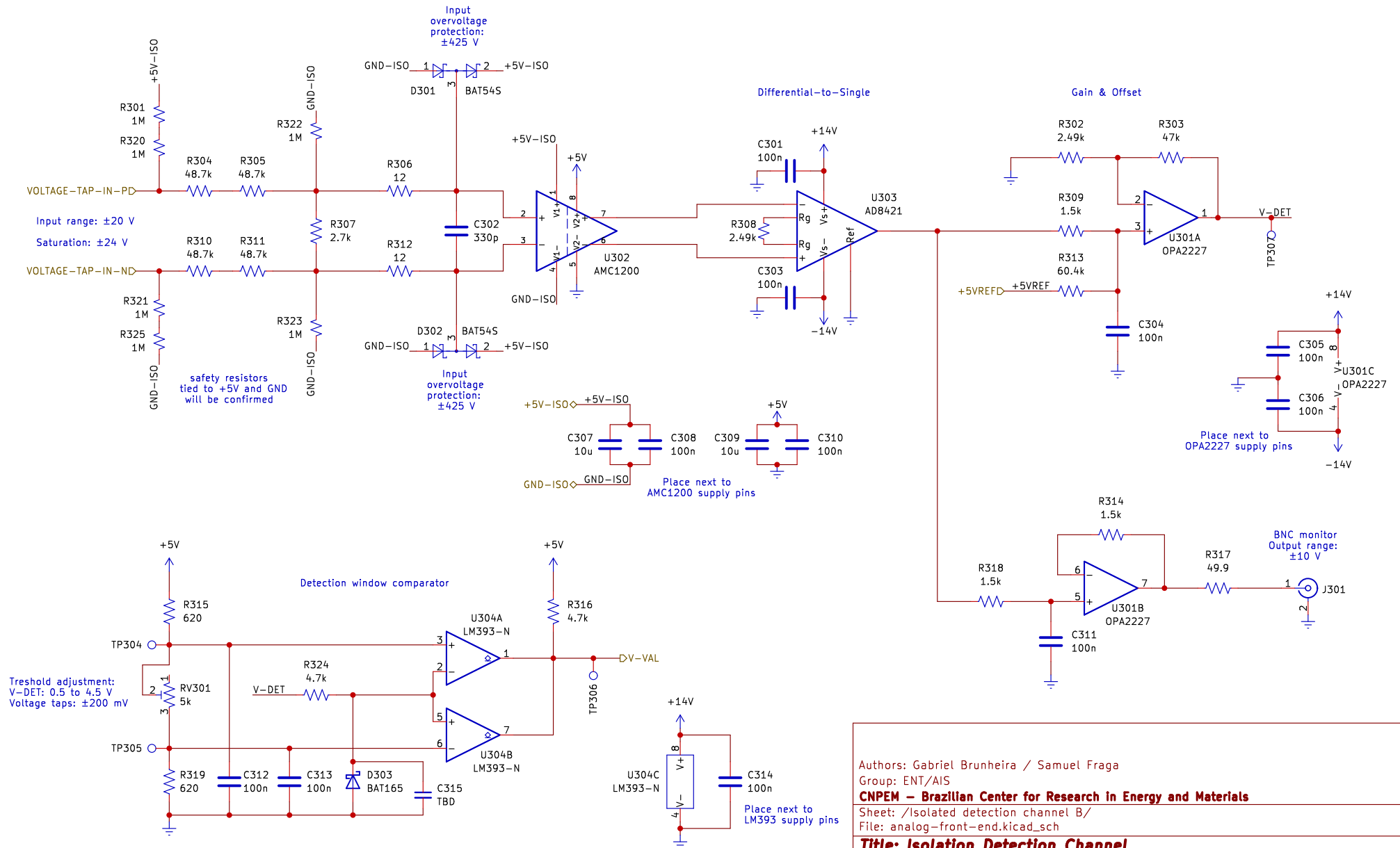
Date:

KiCad E.D.A. kicad (6.0.11)

Rev: v1.0.0

Id: 2/9

Isolated detection channel



Authors: Gabriel Brunheira / Samuel Fraga

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Sheet: /Isolated detection channel B/

File: analog-front-end.kicad_sch

Title: Isolation Detection Channel

Size: A4

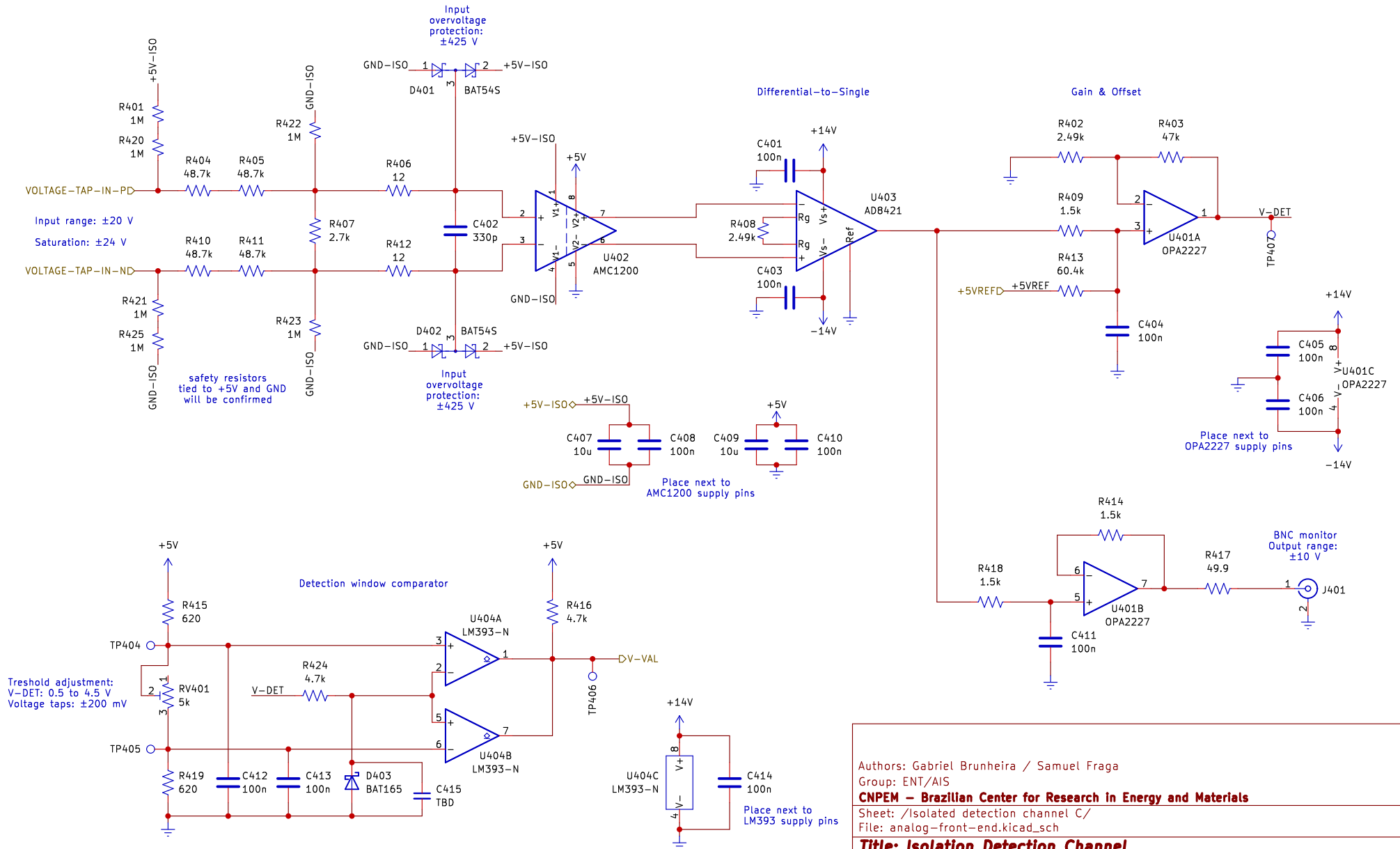
Date:

KiCad E.D.A. kicad (6.0.11)

Rev: v1.0.0

Id: 3/9

Isolated detection channel



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Group: ENT/AIS

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Sheet: /Isolated detection channel C/

File: analog-front-end.kicad_sch

Title: Isolation Detection Channel

Size: A4

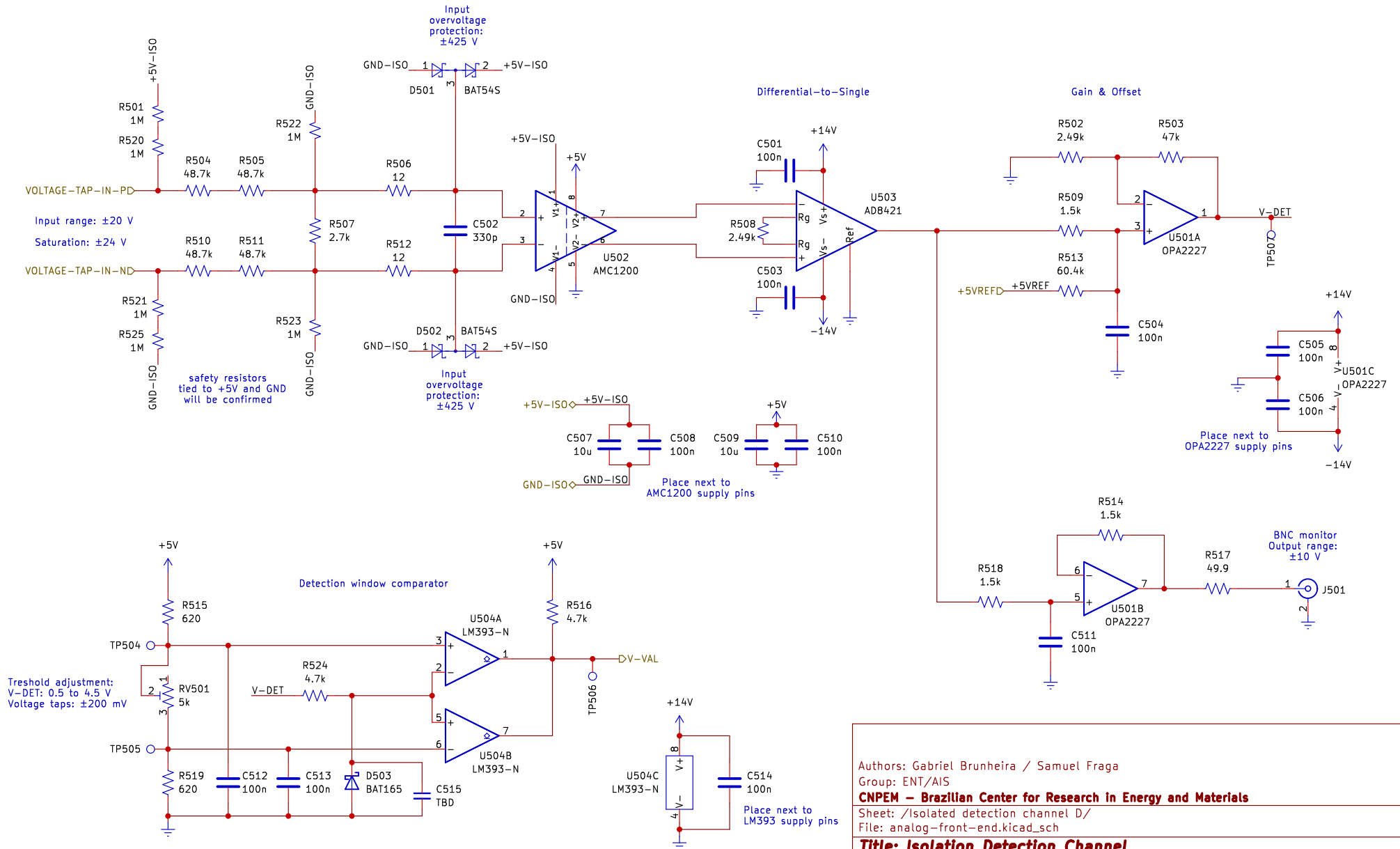
Date:

KiCad E.D.A. kicad (6.0.11)

Rev: v1.0.0

Id: 4/9

Isolated detection channel



Authors: Gabriel Brunheira / Samuel Fraga

Group: ENT/AIS

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Sheet: /Isolated detection channel D/

File: analog-front-end.kicad_sch

Title: Isolation Detection Channel

Size: A4

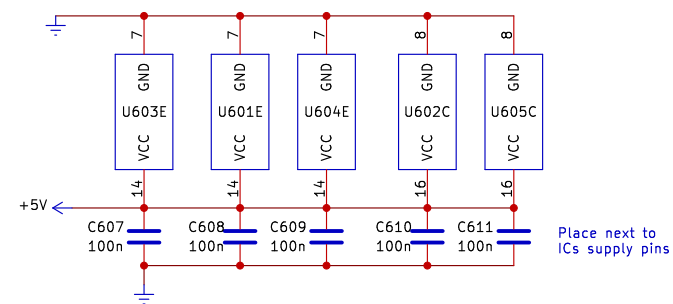
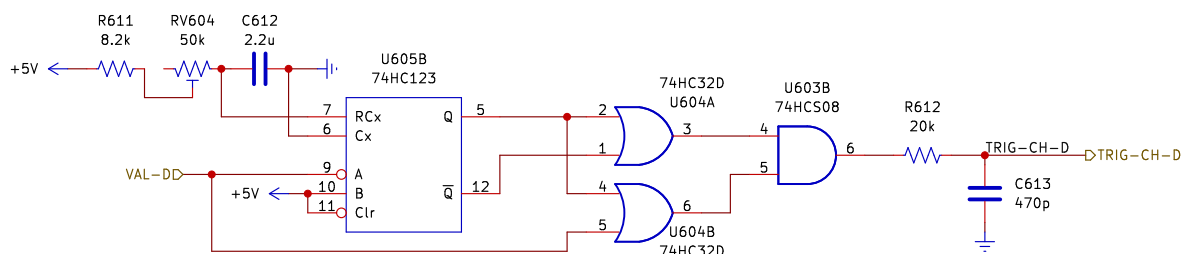
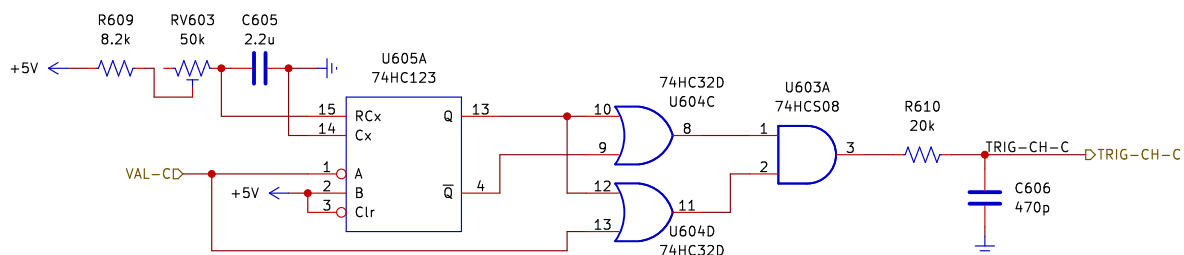
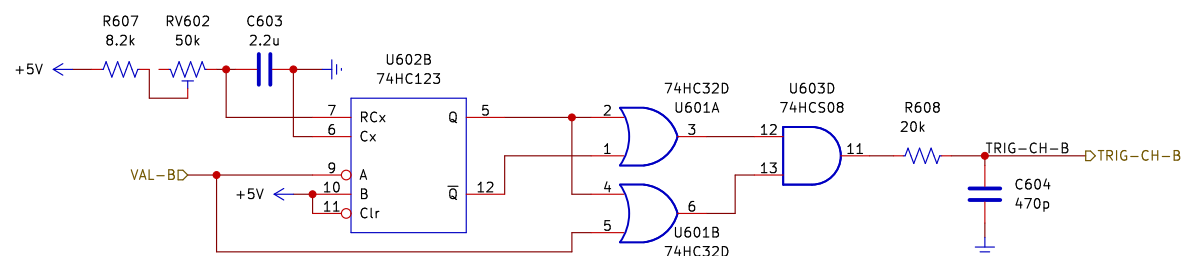
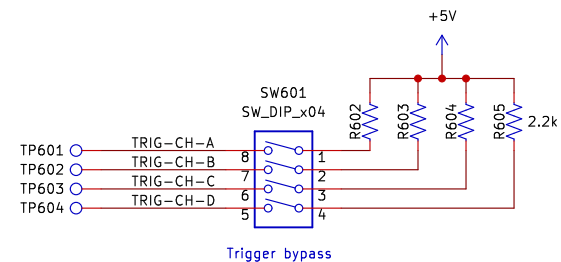
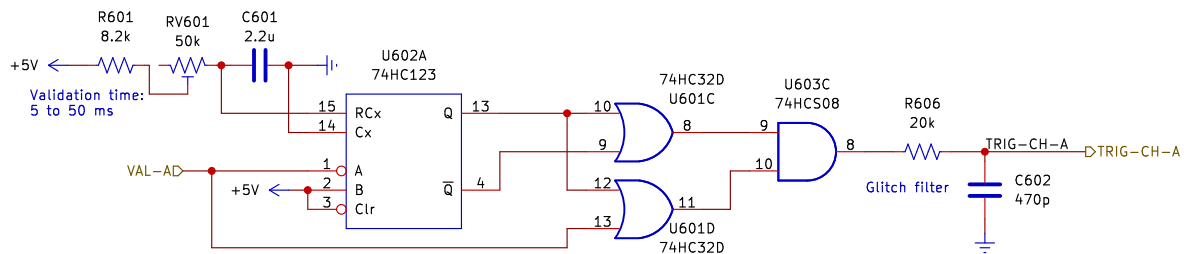
Date:

KiCad E.D.A. kicad (6.0.11)

Rev: v1.0.0

Id: 5/9

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

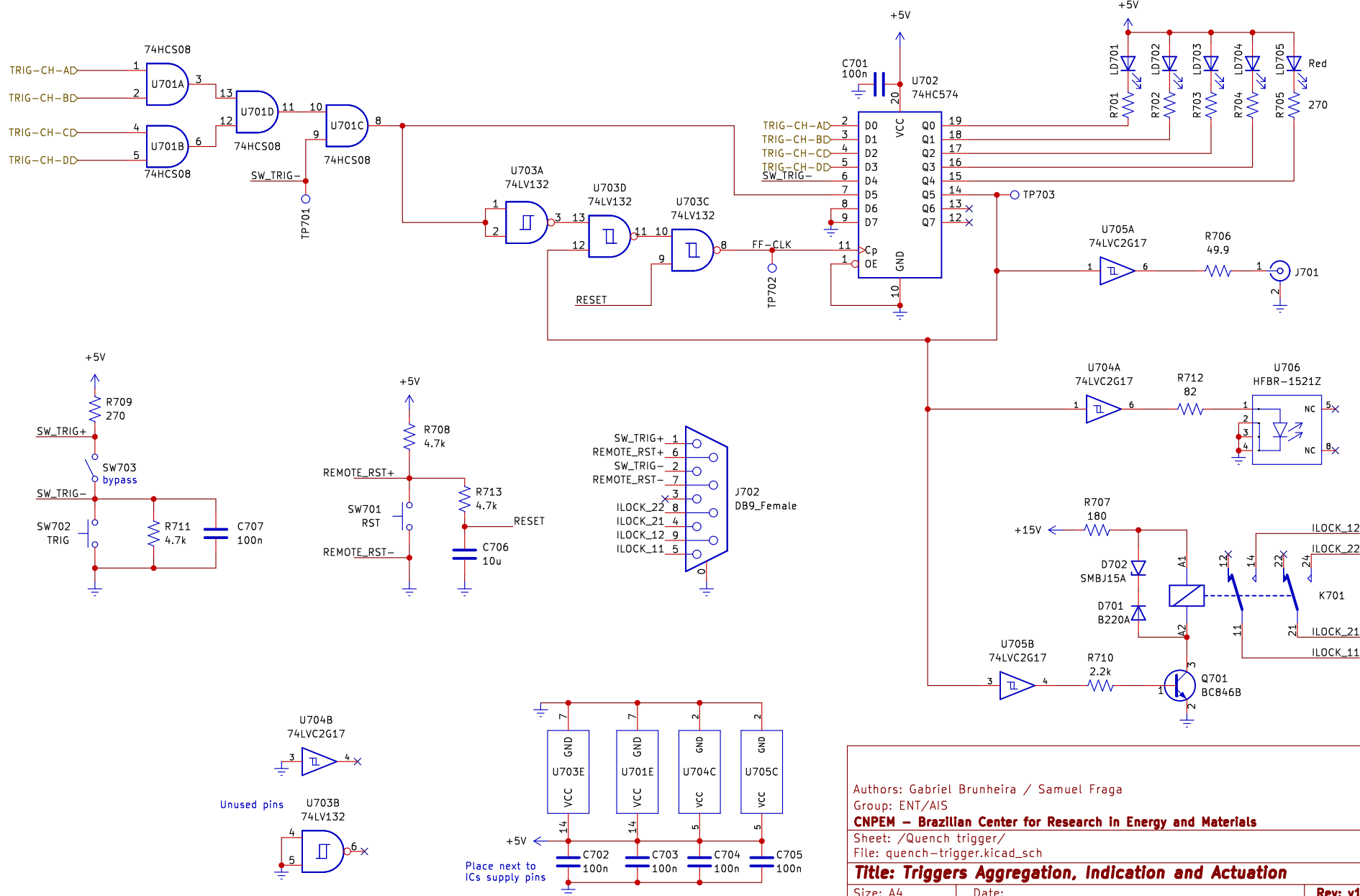
Date:

KiCad E.D.A. kicad (6.0.11)

Rev: v1.0.0

Id: 6/9

Triggers aggregation, indication and actuation



Authors: Gabriel Brunheira / Samuel Fraga

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Sheet: /Quench trigger/

File: quench-trigger.kicad_sch

Title: Triggers Aggregation, Indication and Actuation

Size: A4

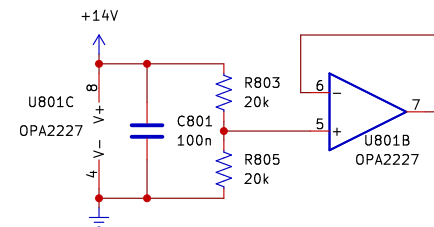
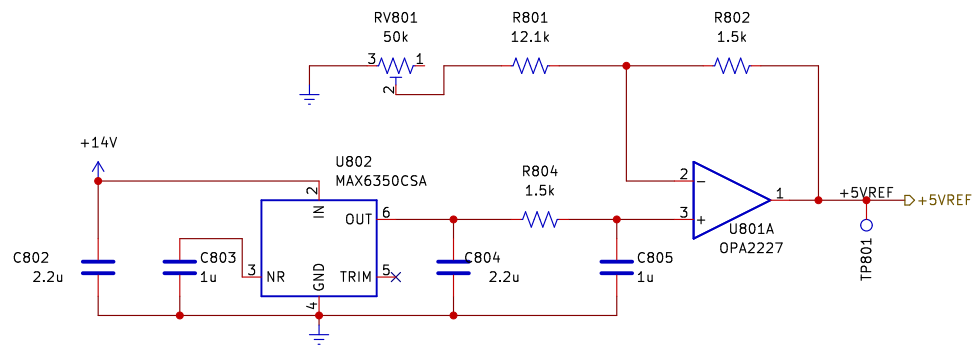
Date:

KiCad E.D.A. kicad (6.0.11)

Rev: v1.0.0

Id: 7/9

+5V reference circuit

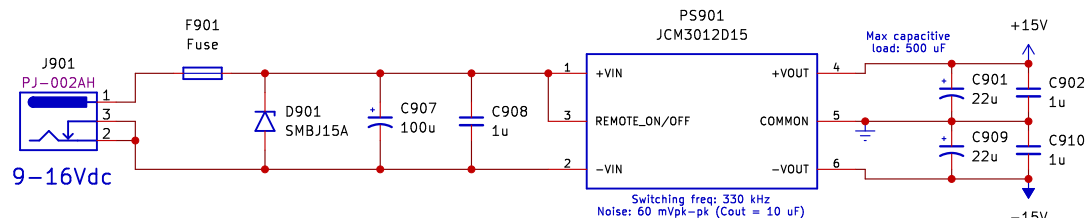


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Sheet: /+5V reference/
File: 5v-reference.kicad_sch

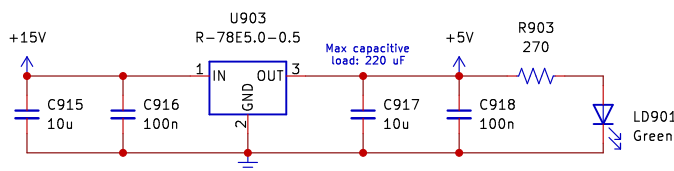
Title:		
Size: A4	Date:	Rev: v1.0.0
KiCad E.D.A. kicad (6.0.11)		Id: 8/9

Power supplies

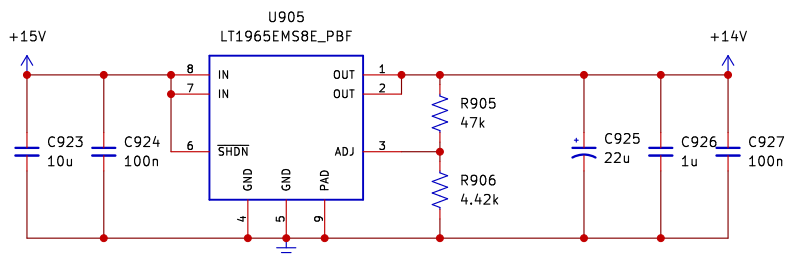
±15V main isolated DC-DC converter



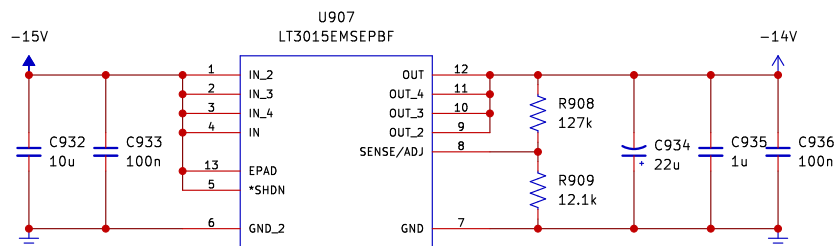
+5V DC-DC converter



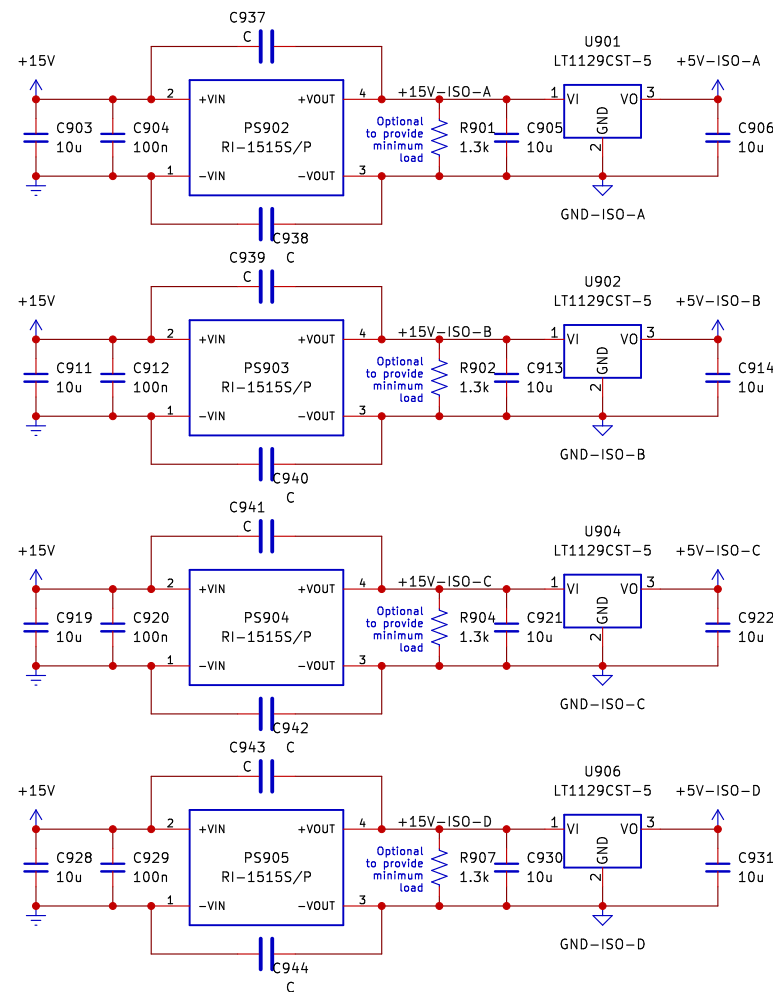
+14V linear regulator



-14V linear regulator



Isolated power supplies



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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: 9/9