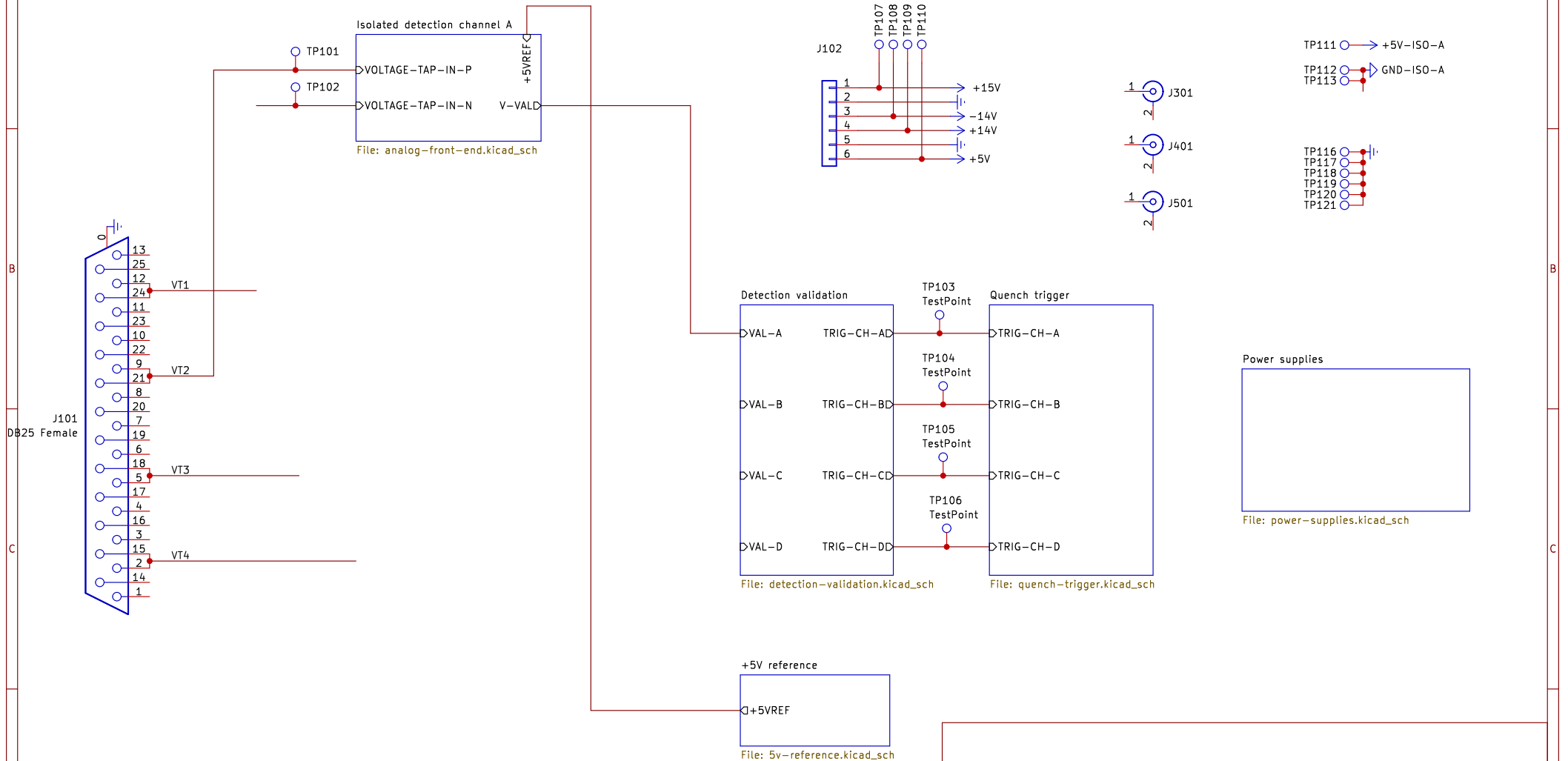


Quench detection system for vertical cryostat



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

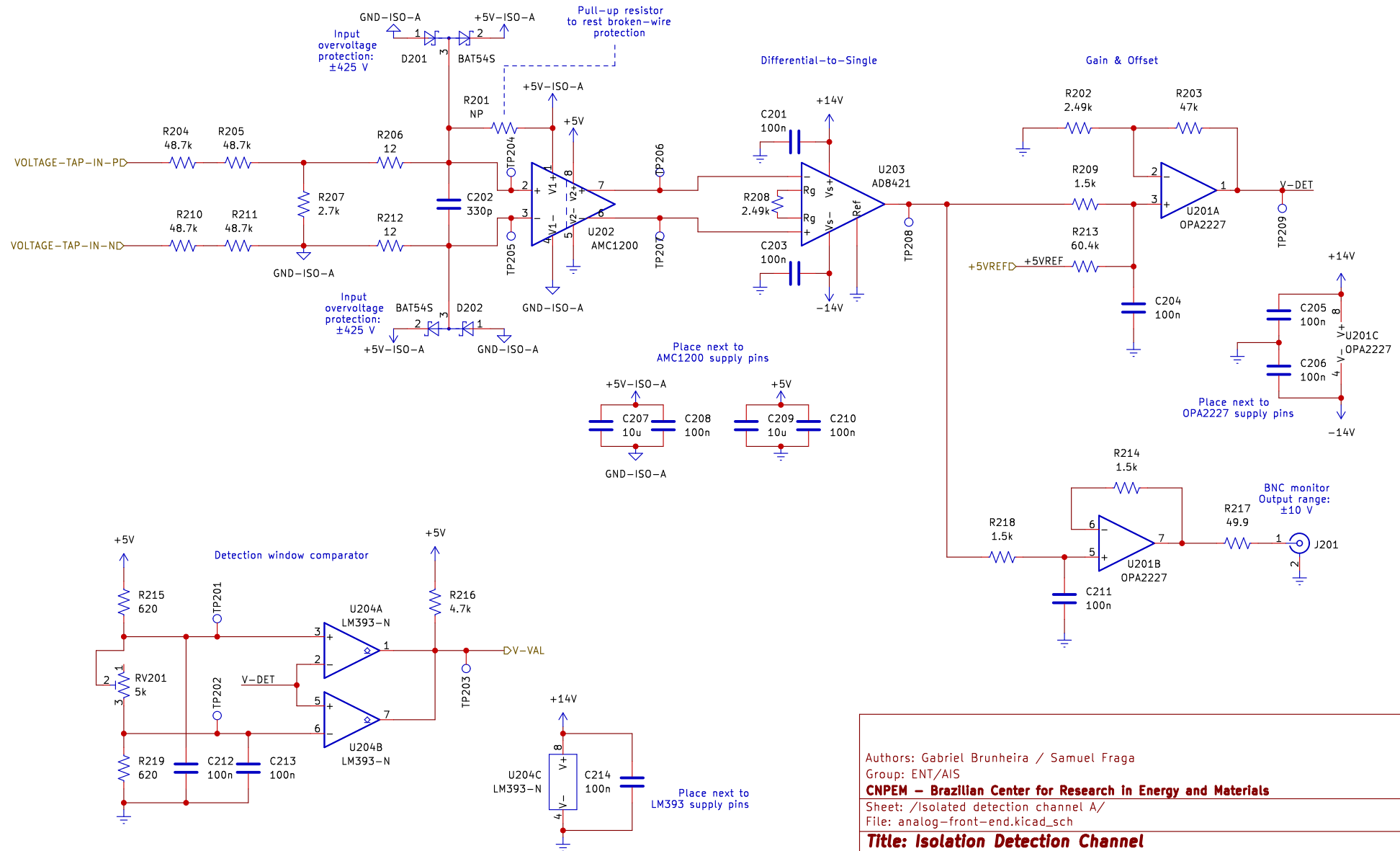
Date:

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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

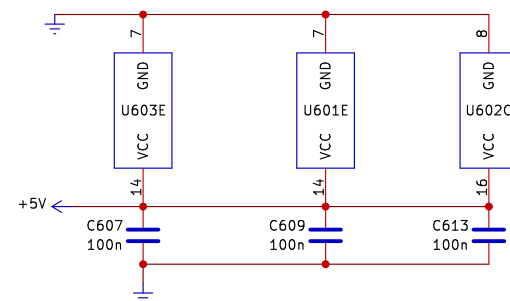
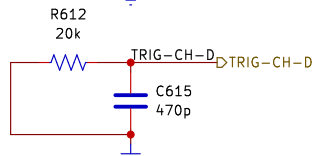
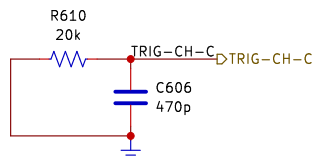
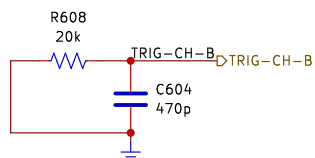
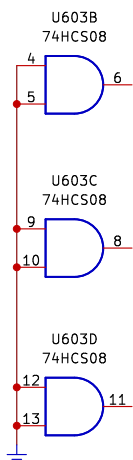
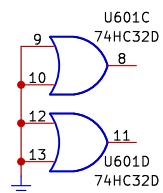
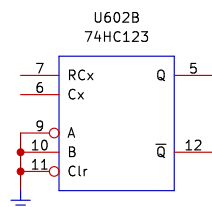
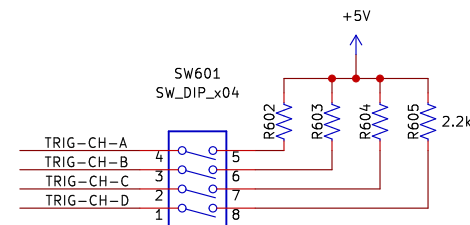
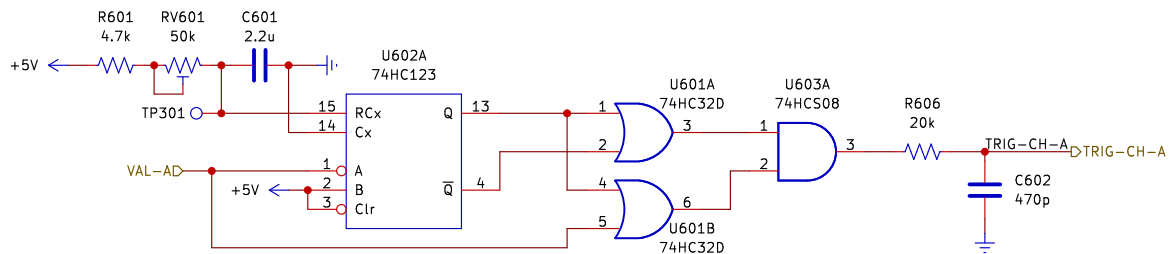
Date:

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Id: 2/6

Detection validation



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Group: ENT/AIS

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Sheet: /Detection validation/

File: detection-validation.kicad_sch

Title: Detection Validation Circuits

Size: A4

Date:

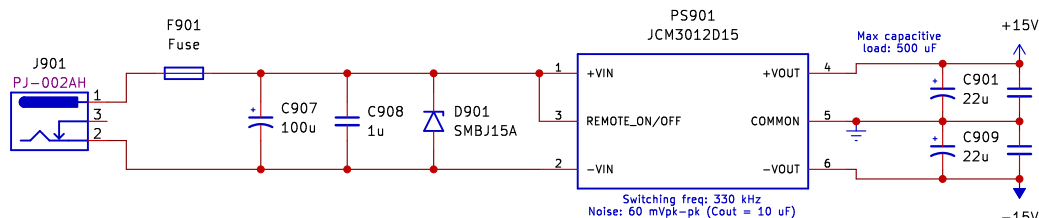
KiCad E.D.A. kicad (6.0.11)

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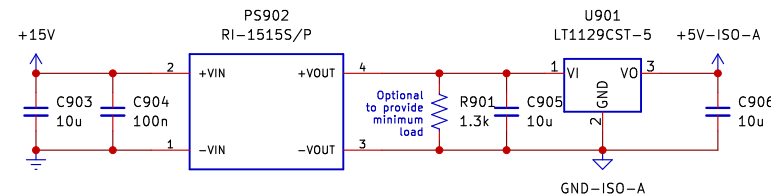
Id: 6/6

Power supplies

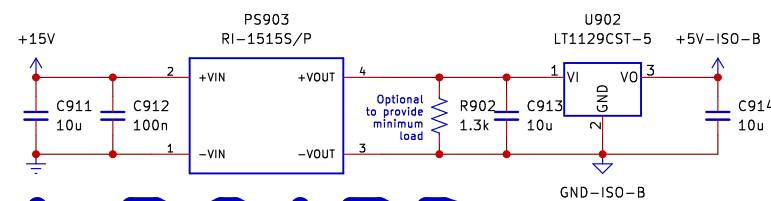
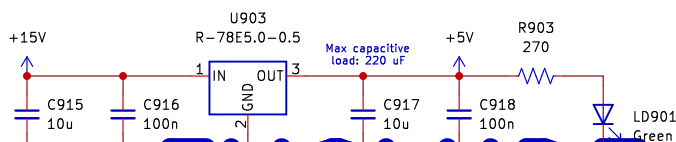
±15V main isolated DC-DC converter



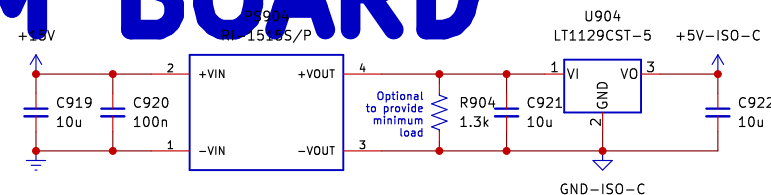
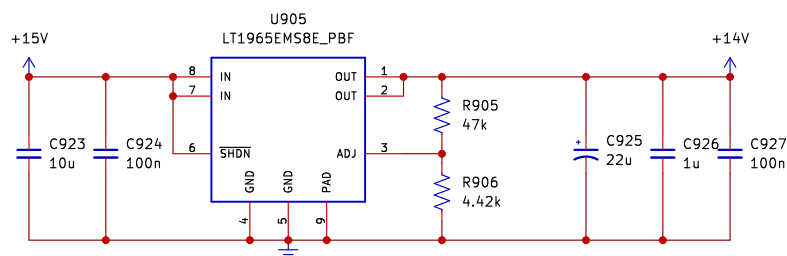
Isolated power supplies



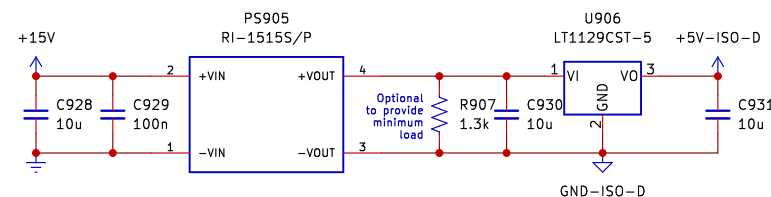
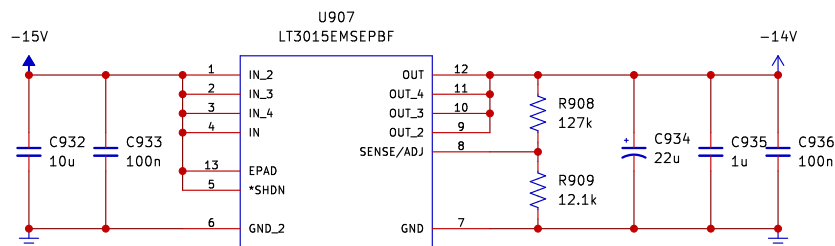
+5V DC-DC converter



+14V linear regulator



-14V linear regulator



Authors: Gabriel Brunheira / Samuel Fraga

Group: ENT/AIS

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Sheet: /Power supplies/

File: power-supplies.kicad_sch

Title: Power Supplies

Size: A4

Date:

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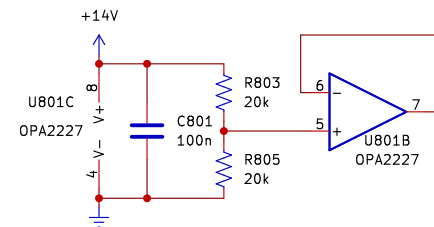
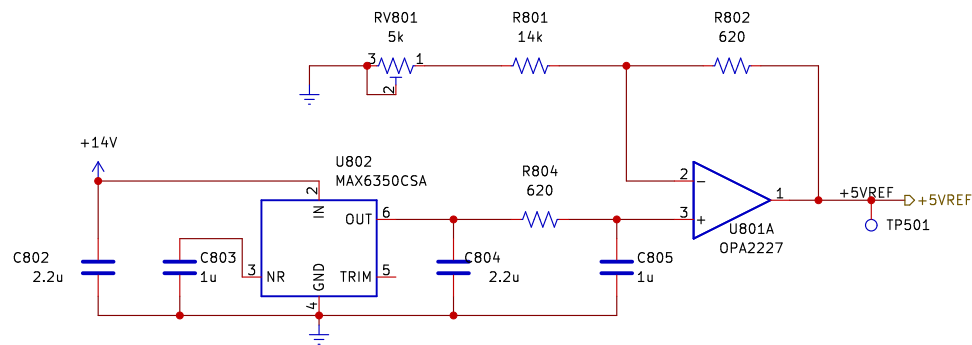
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Id: 6/6

[illegible]

Id: 7/6

+5V reference circuit



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Group: ENT/AIS
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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: 8/6