

A

A

B

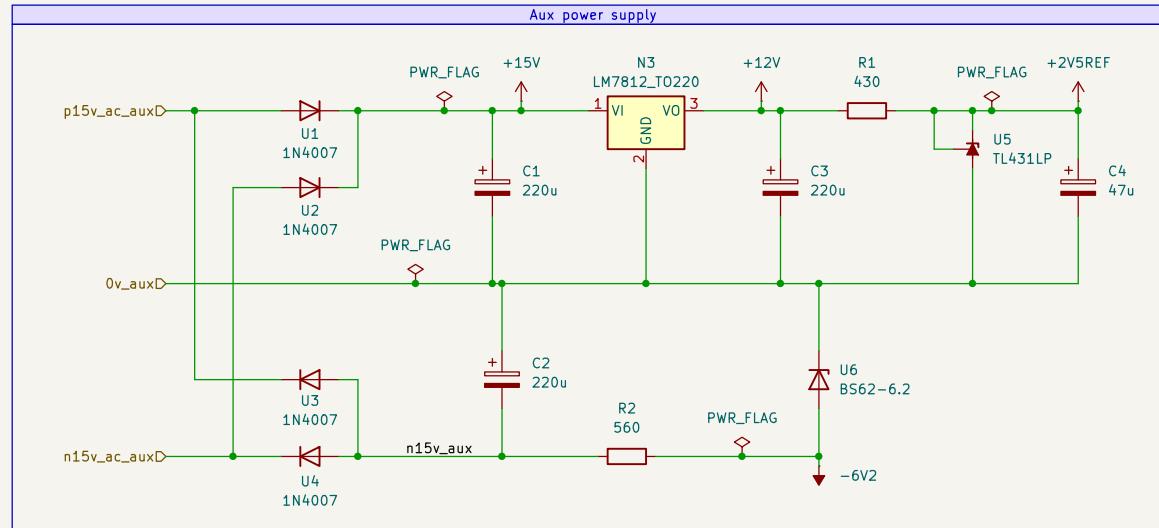
B

C

C

D

D



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Compliant with Velleman's layout

Sheet: /auxiliary/
File: auxiliary.kicad_sch

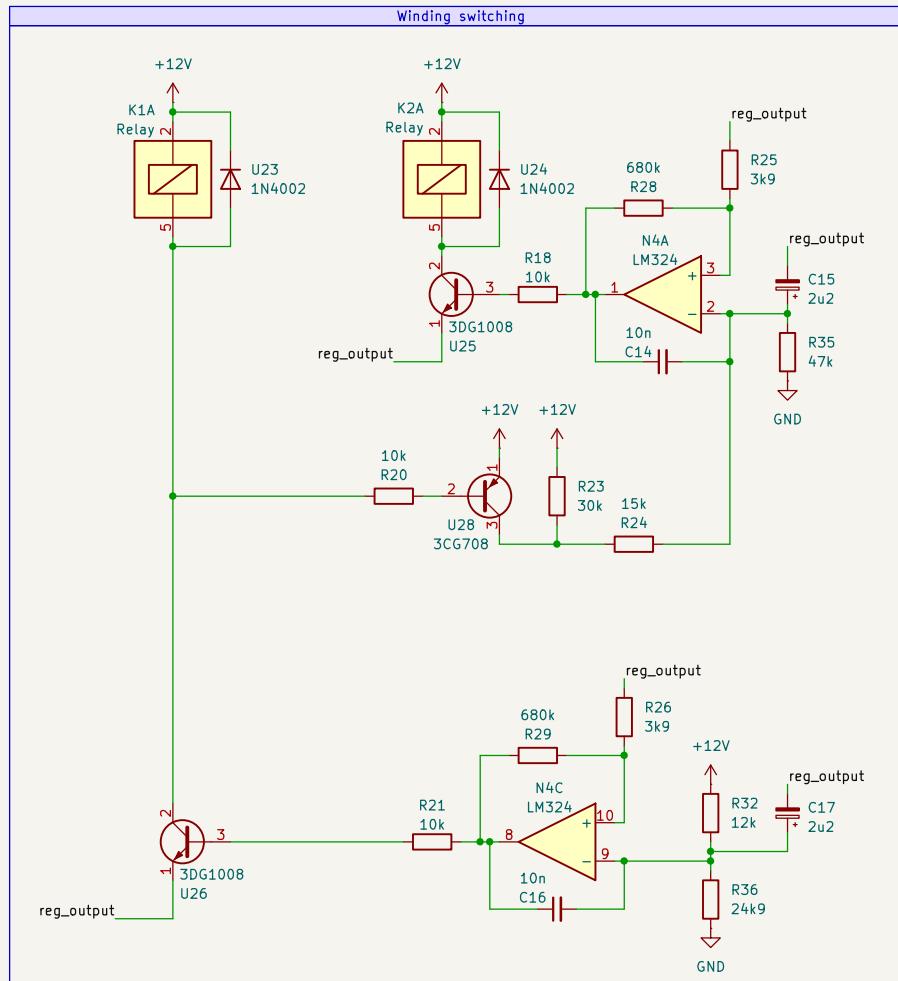
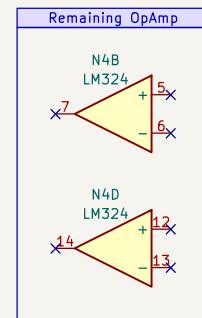
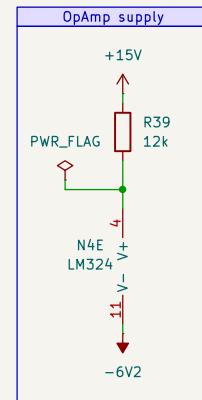
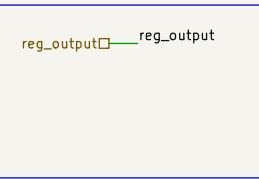
Title: PS23023 Master

Size: A4 Date: 2025-12-29

KiCad E.D.A. 9.0.6



Rev: 1.0.0
Id: 2/5



Here is the switching diagram of the transformer:
All voltages are measured without load.

Taps	Colors	Pins	Voltages
2-4	Yellow-Orange	23 – 27	14.6V
1-4	Green-Orange	22 – 27	22.7V
2-3	Yellow-Red	23 – 26	30.9V
1-3	Green-Red	22 – 26	39.0V

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Compliant with Velleman's layout

Sheet: /winding_switching/
File: winding_switching.kicad_sch

Title: PS23023 Master

Size: A4 Date: 2025-12-29

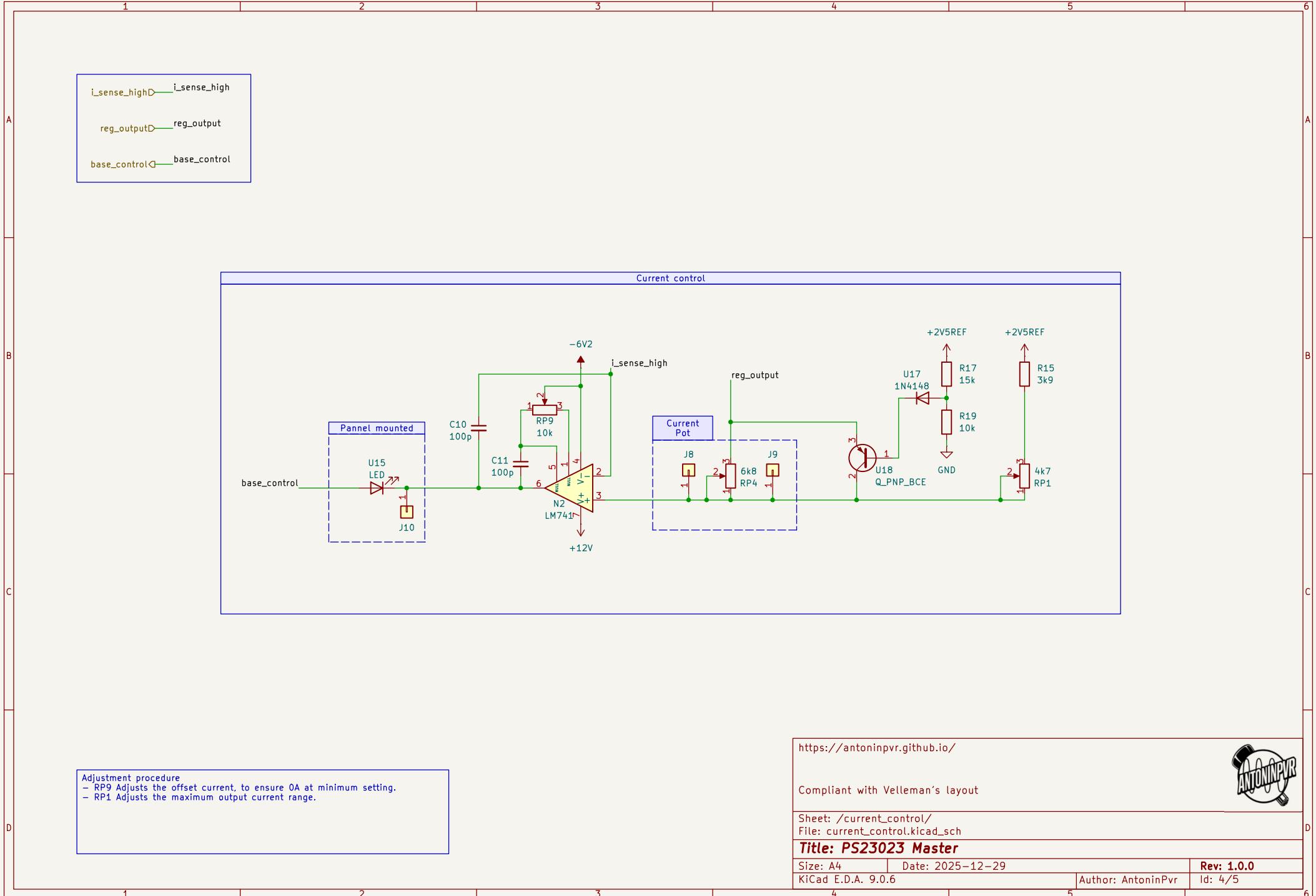
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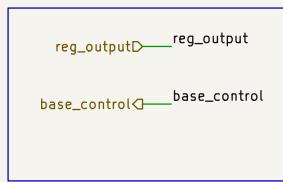


Rev: 1.0.0

Id: 3/5

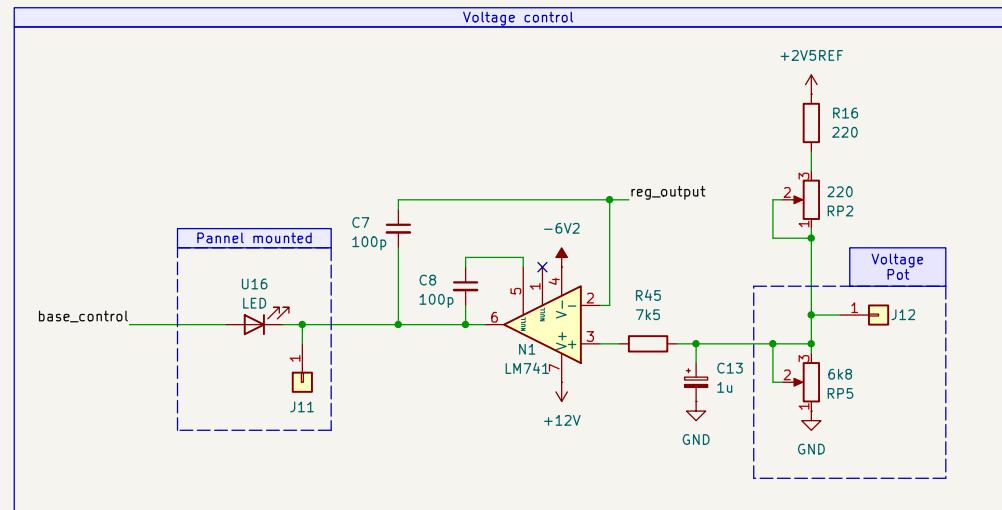


A



A

B



B

C

Adjustment procedure
 - RP2 Adjusts the maximum output voltage range.

C

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Compliant with Velleman's layout

Sheet: /voltage_control/
 File: voltage_control.kicad_sch

Title: PS23023 Master

Size: A4 Date: 2025-12-29

KiCad E.D.A. 9.0.6

Author: AntoninPvr



Rev: 1.0.0
 Id: 5/5