

Diagram illustrating the power supply sink configuration for the Open Battery Tester.

The diagram shows four power supply sources connected to the system:

- 5V (PWR_FLAG)
- GND (PWR_FLAG)
- +10V (PWR_FLAG)
- +24V (PWR_FLAG)

The power supply sink is connected to the control and power-electronics blocks.

control block (File: control.kicad_sch) contains:

- Inputs: `>ref`, `>meas`
- Output: `out`

power-electronics block (File: power-electronics.kicad_sch) contains:

- Inputs: `>v_in`
- Output: `v_out`

limit-logic block (File: limit-logic.kicad_sch) contains:

- Inputs: `>power_ok`, `>conf_ok`
- Outputs: `mode_vc`, `mode_vlc`, `mode_lvlc`, `mode_cc`, `mode_uclc`, `mode_lclc`, `meas_out_v`, `meas_out_i`

Overview

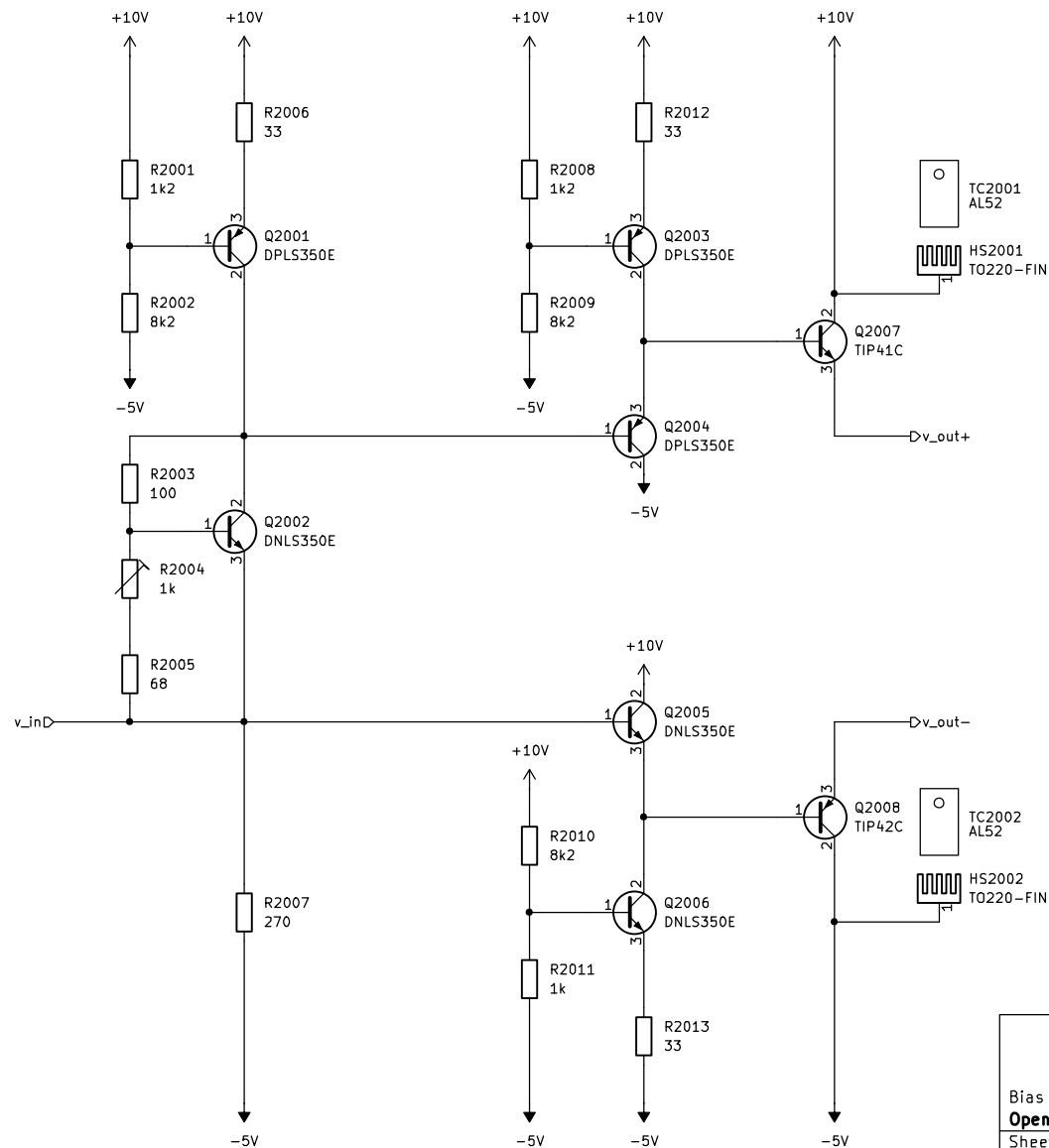
Open Battery Tester

Sheet: /

File: pss.kicad_sch

Title: Power Supply Sink

Size: A4	Date: 2024-11-07	Rev: 0.5.2
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Bias Stage

Open Battery Tester

Sheet: /power-electronics/bias/

File: bias.kicad_sch

Title: Power Supply Sink

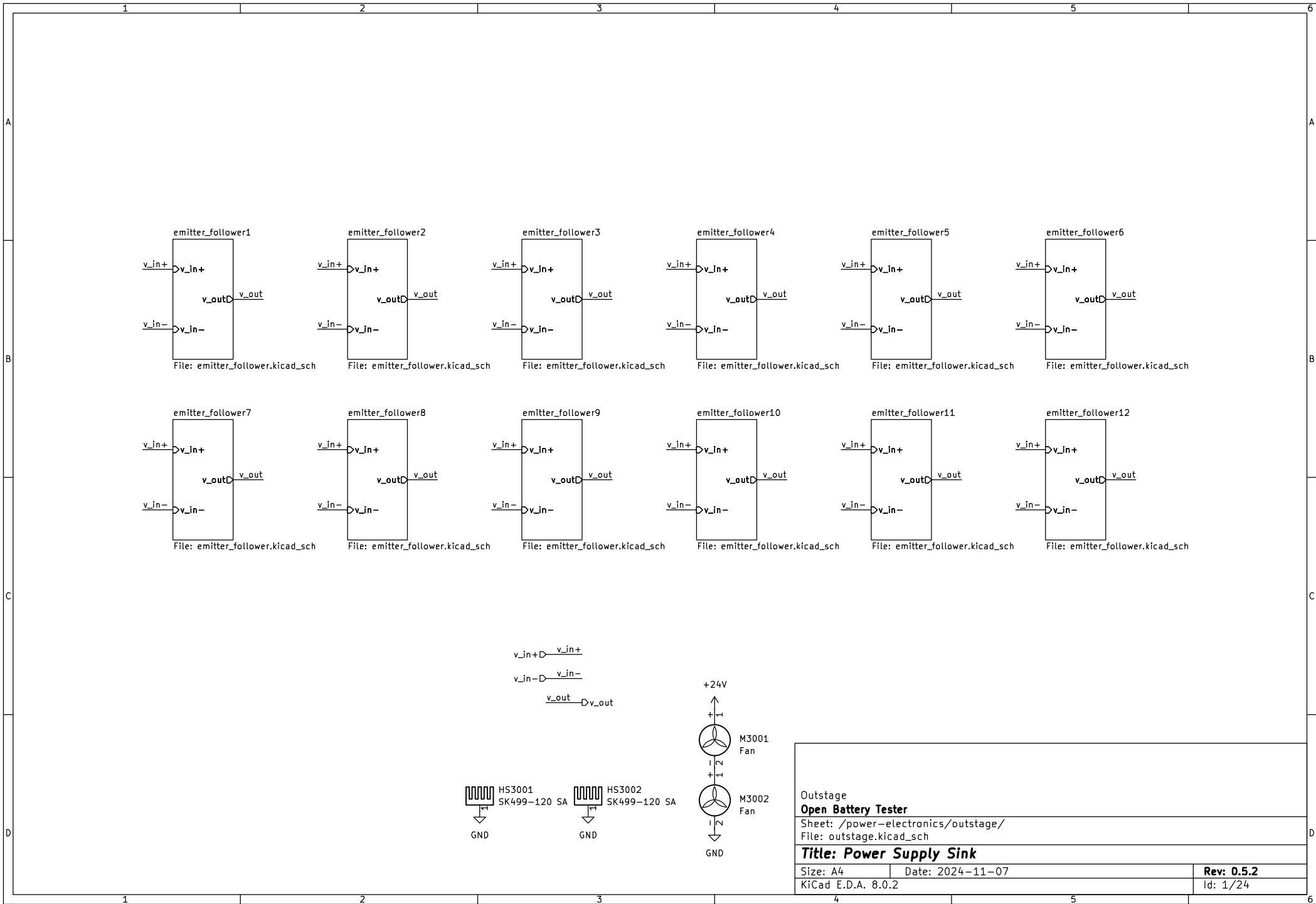
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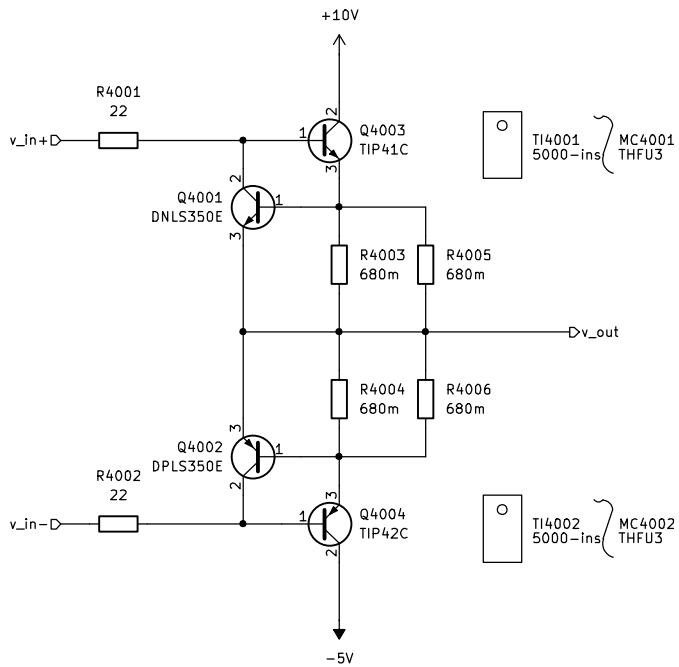
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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower5/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

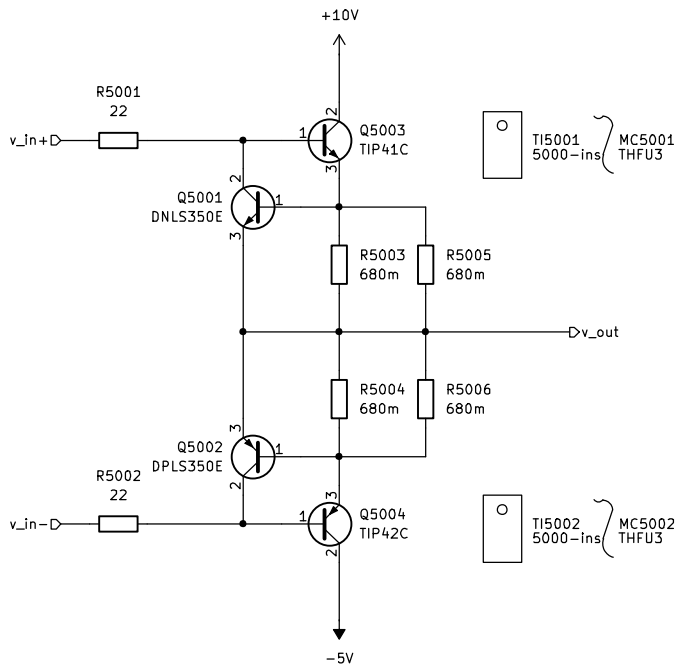
Size: A4

Date: 2024-11-07

Rev: 0.5.2

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower10/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

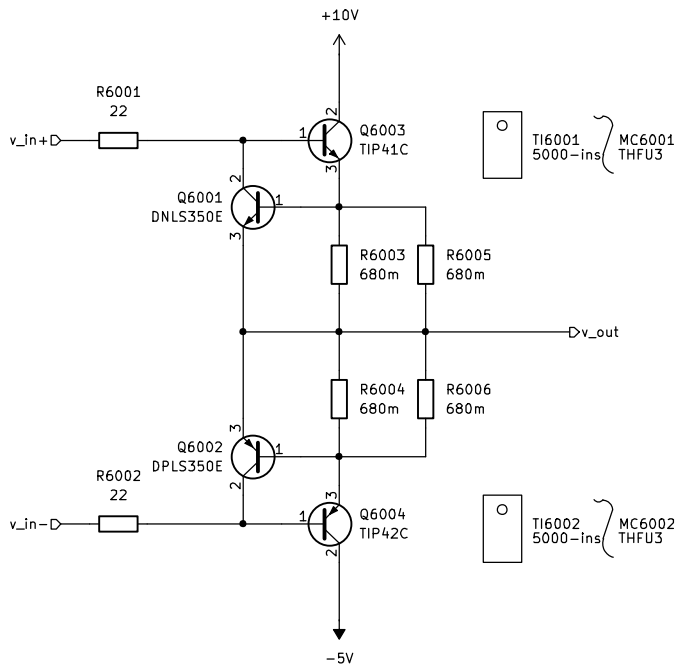
Size: A4

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower12/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

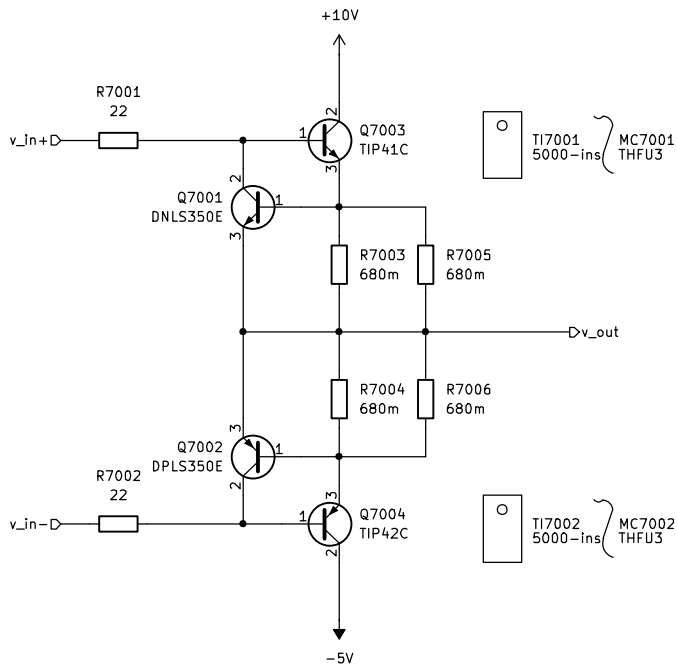
Size: A4

Date: 2024-11-07

Rev: 0.5.2

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower4/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

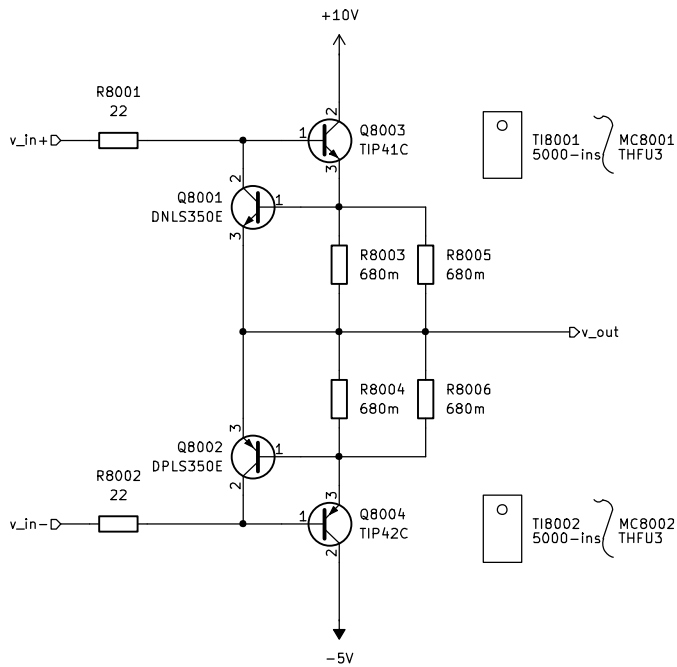
Size: A4

Date: 2024-11-07

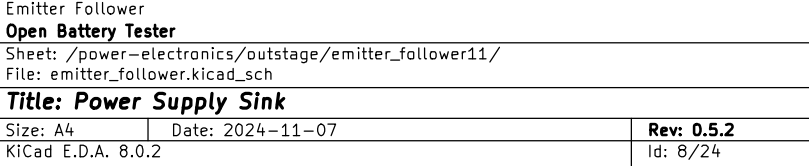
Rev: 0.5.2

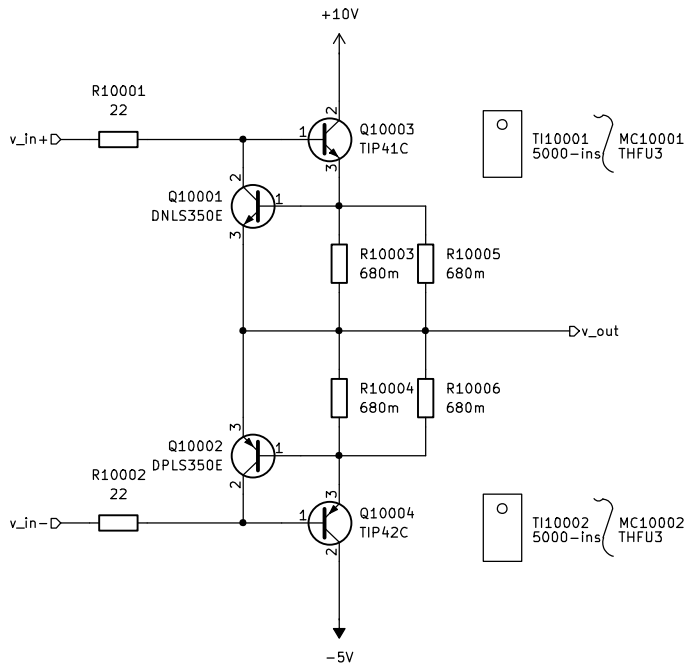
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Emitter Follower		
Open Battery Tester		
Sheet: /power-electronics/outstage/emitter_follower6/		
File: emitter_follower.kicad_sch		
Title: Power Supply Sink		
Size: A4	Date: 2024-11-07	Rev: 0.5.2
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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower8/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

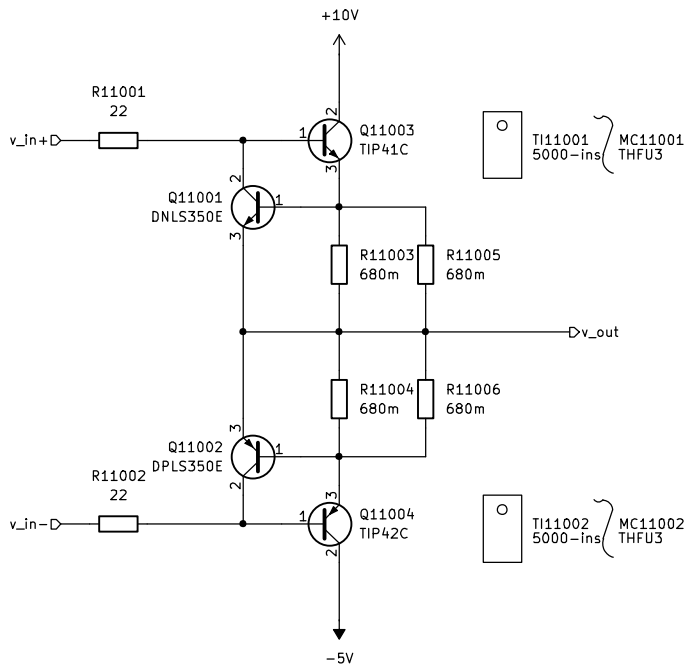
Size: A4

Date: 2024-11-07

Rev: 0.5.2

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower2/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

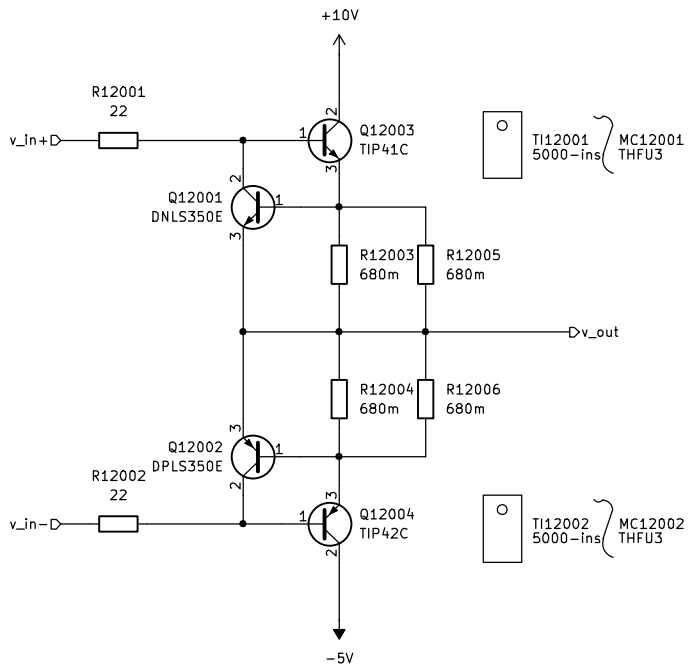
Size: A4

Date: 2024-11-07

Rev: 0.5.2

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Id: 10/24



Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower1/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

Size: A4

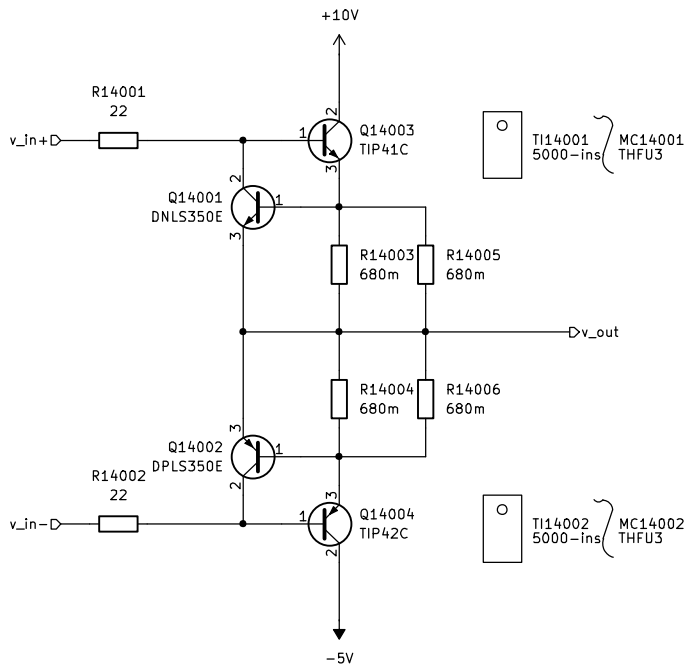
Date: 2024-11-07

Rev: 0.5.2

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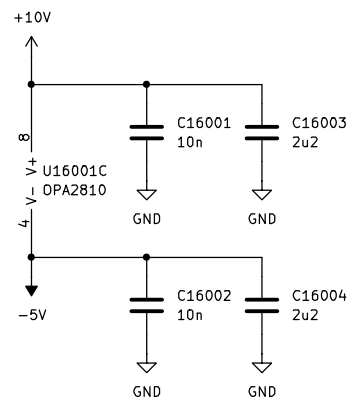
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Id: 12/24

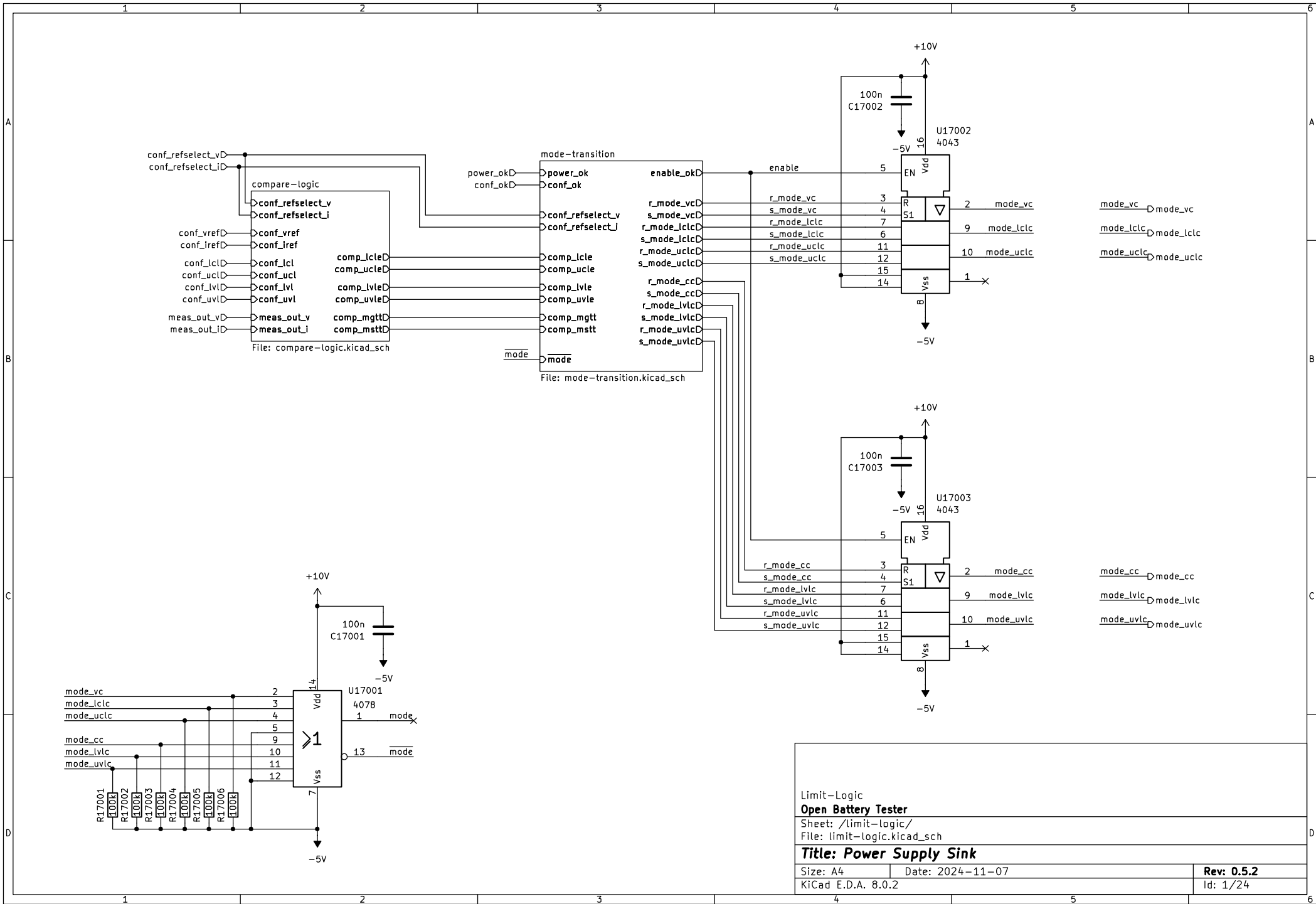


Emitter Follower		
Open Battery Tester		
Sheet: /power-electronics/outstage/emitter_follower3/		
File: emitter_follower.kicad_sch		
Title: Power Supply Sink		
Size: A4	Date: 2024-11-07	Rev: 0.5.2
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Id: 14/24



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Limit-Logic

Open Battery Tester

Sheet: /limit-logic/

File: limit-logic.kicad_sch

Title: Power Supply Sink

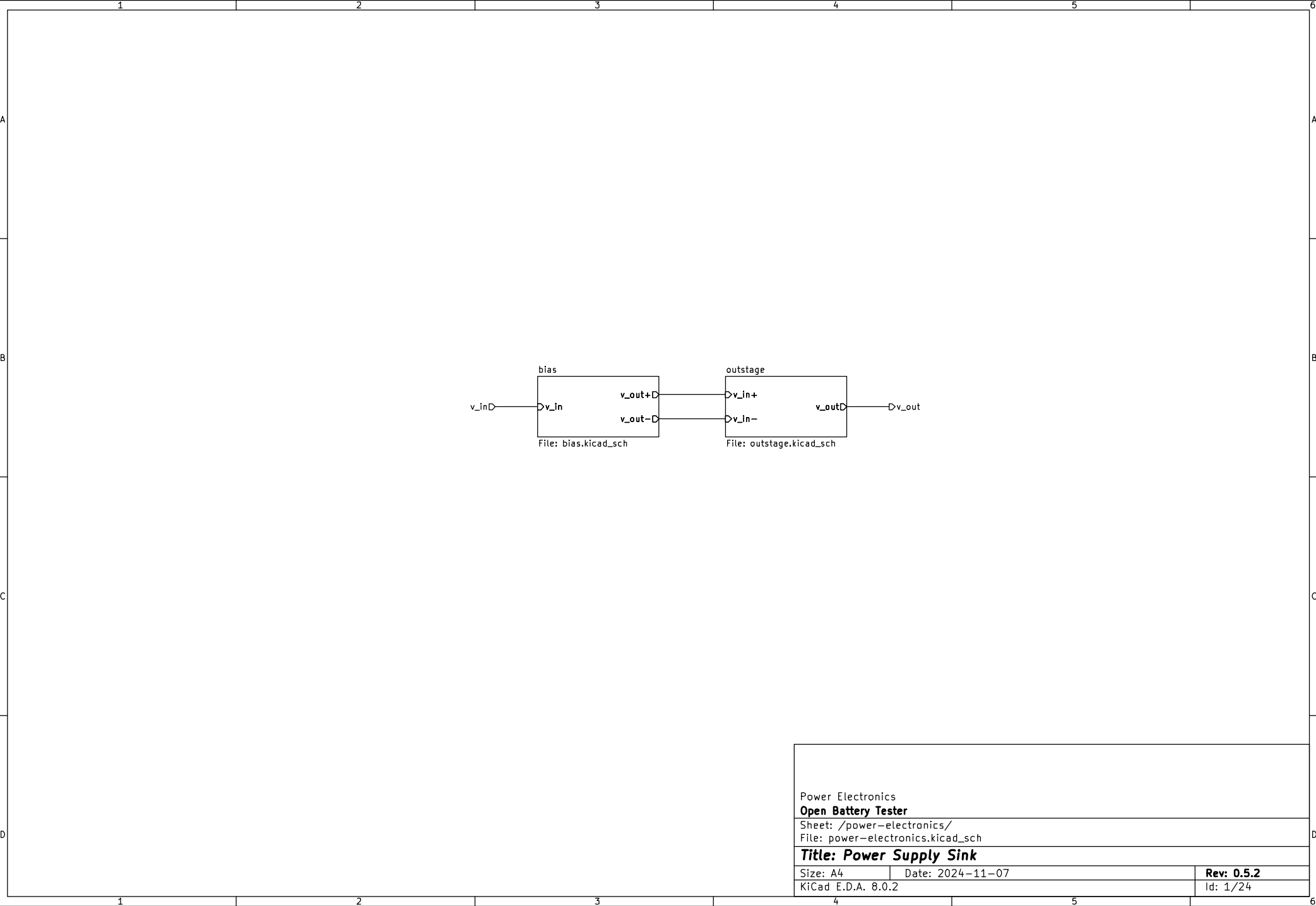
Size: A4

Date: 2024-11-07

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Power Electronics

Open Battery Tester

Sheet: /power-electronics/

File: power-electronics.kicad_sch

Title: Power Supply Sink

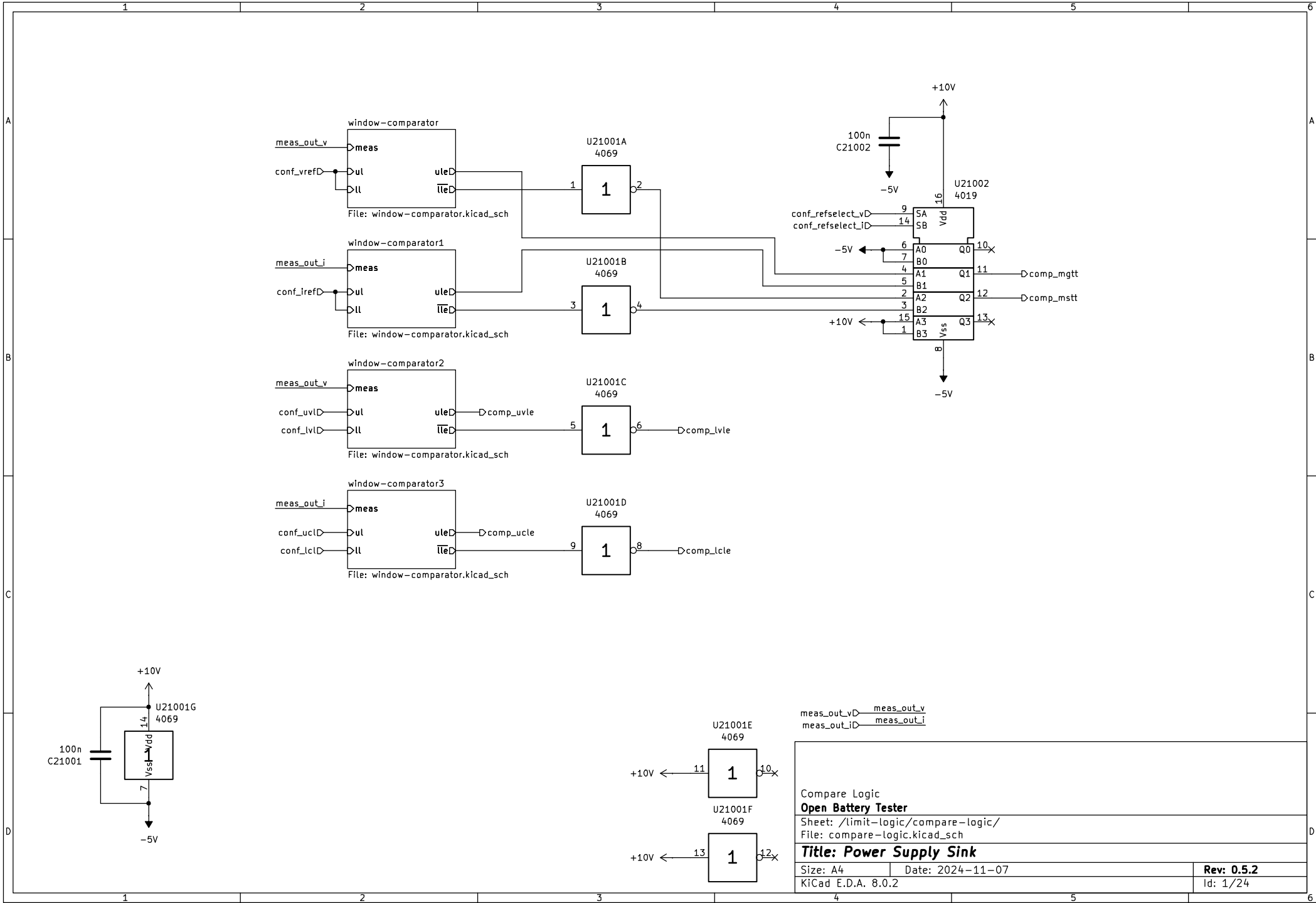
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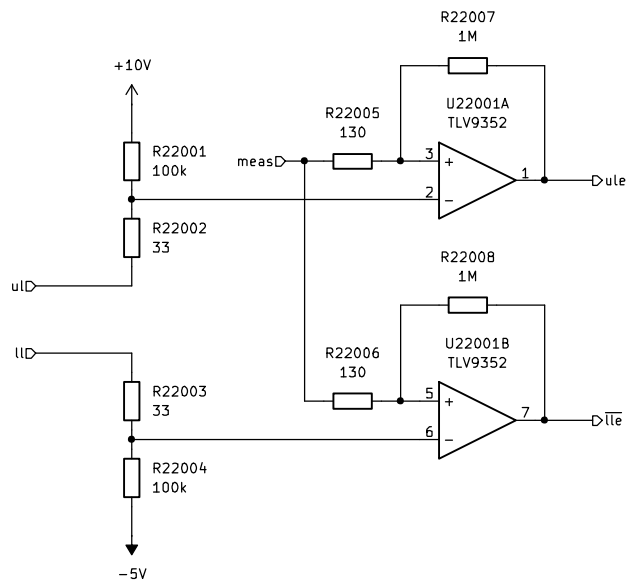
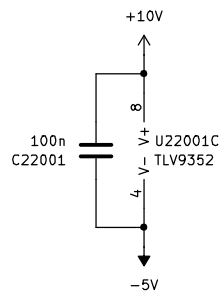
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Window-Comparator
Open Battery Tester

Sheet: /limit-logic/compare-logic/window-comparator/
File: window-comparator.kicad_sch

Title: Power Supply Sink

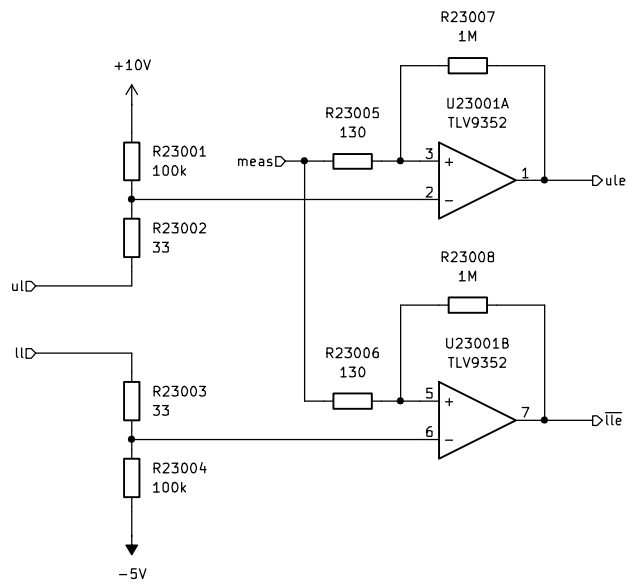
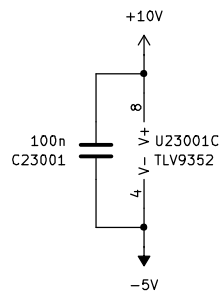
Size: A4

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Window-Comparator

Open Battery Tester

Sheet: /limit-logic/compare-logic/window-comparator1/

File: window-comparator.kicad_sch

Title: Power Supply Sink

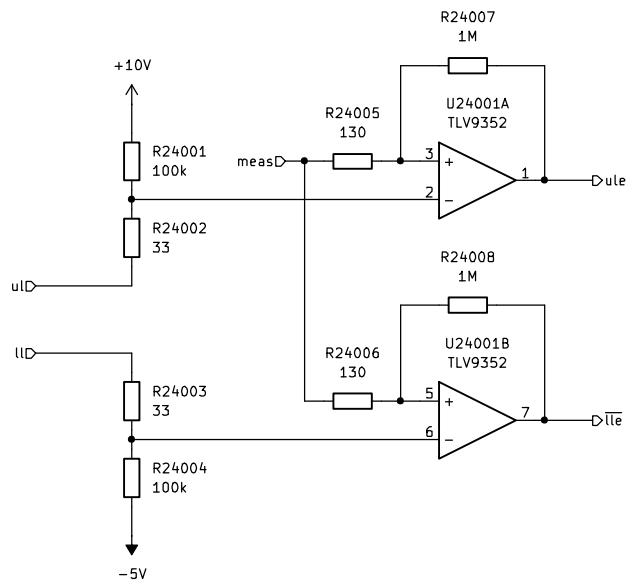
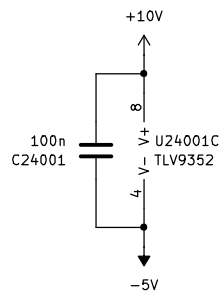
Size: A4

Date: 2024-11-07

Rev: 0.5.2

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Window-Comparator
Open Battery Tester

Sheet: /limit-logic/compare-logic/window-comparator2/
File: window-comparator.kicad_sch

Title: Power Supply Sink

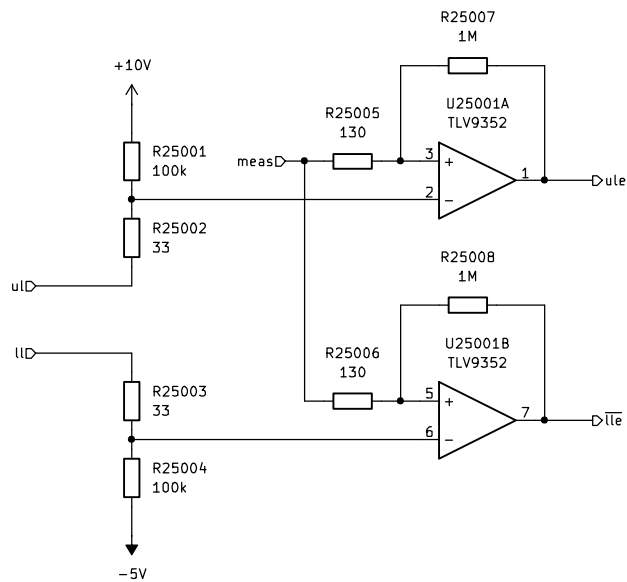
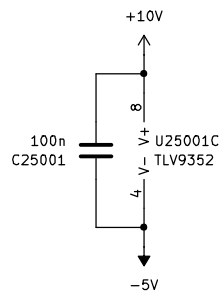
Size: A4

Date: 2024-11-07

Rev: 0.5.2

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Window-Comparator
Open Battery Tester

Sheet: /limit-logic/compare-logic/window-comparator3/
File: window-comparator.kicad_sch

Title: Power Supply Sink

Size: A4

Date: 2024-11-07

Rev: 0.5.2

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