

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 modules.

The control module (File: control.kicad_sch) has the following connections:

- ref (input)
- meas (input)
- out (output)

The power-electronics module (File: power-electronics.kicad_sch) has the following connections:

- v_in (input)
- v_out (output)

The limit-logic module (File: limit-logic.kicad_sch) has the following connections:

- power_ok (input)
- conf_ok (input)
- conf_refselect_v (input)
- mode_vc (input)
- conf_vref (input)
- mode_vlcl (input)
- conf_uvl (input)
- mode_lvcl (input)
- conf_lvl (input)
- conf_refselect_i (input)
- mode_cc (input)
- conf_iref (input)
- mode_uclcl (input)
- conf_ucl (input)
- mode_lclcl (input)
- conf_lcl (input)
- meas_out_v (input)
- meas_out_i (input)

The power supply sink is connected to the limit-logic module.

Overview

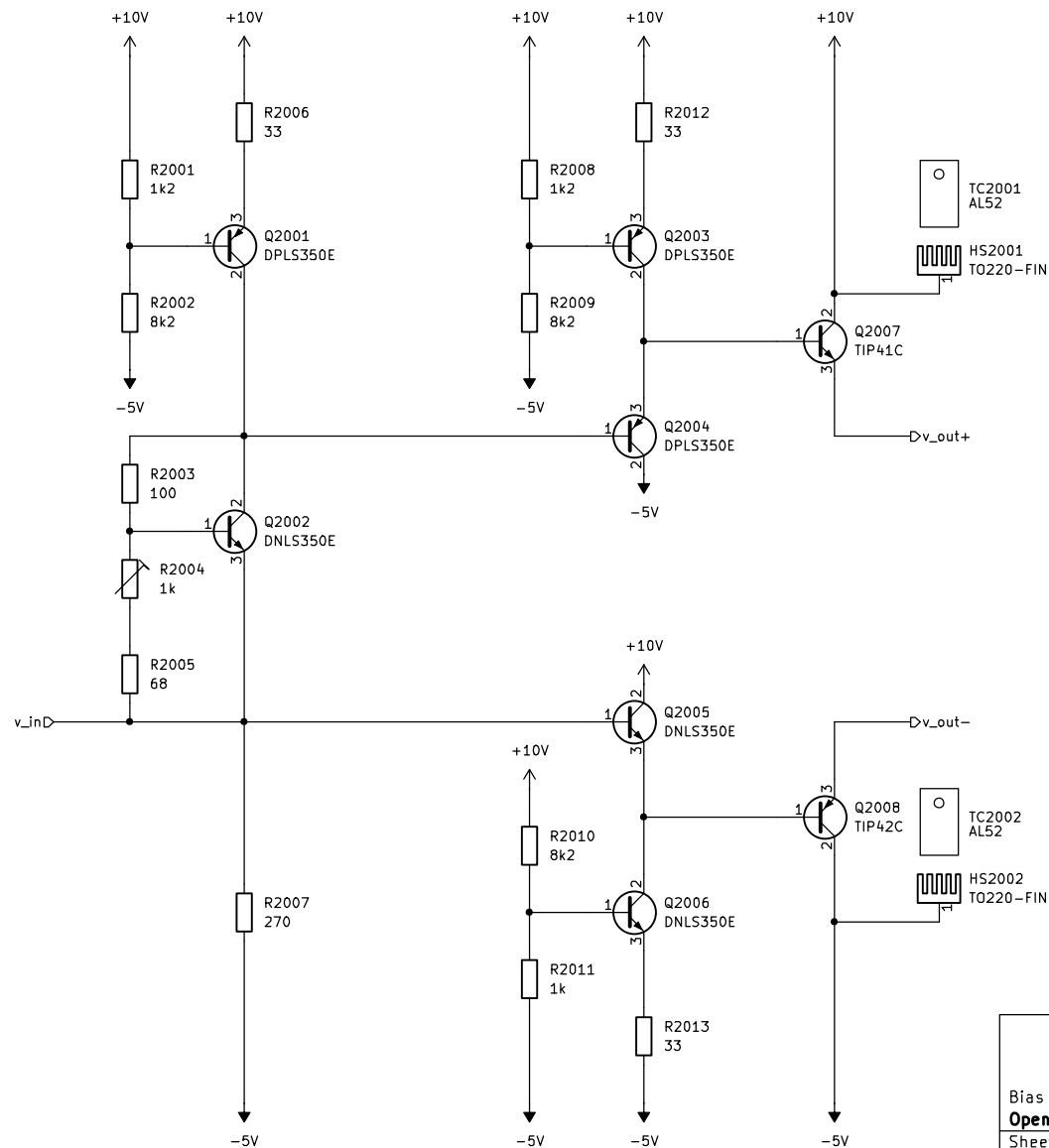
Open Battery Tester

Sheet: /

File: pss.kicad_sch

Title: Power Supply Sink

Size: A4	Date: 2024-10-28	Rev: 0.5.0
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Bias Stage

Open Battery Tester

Sheet: /power-electronics/bias/

File: bias.kicad_sch

Title: Power Supply Sink

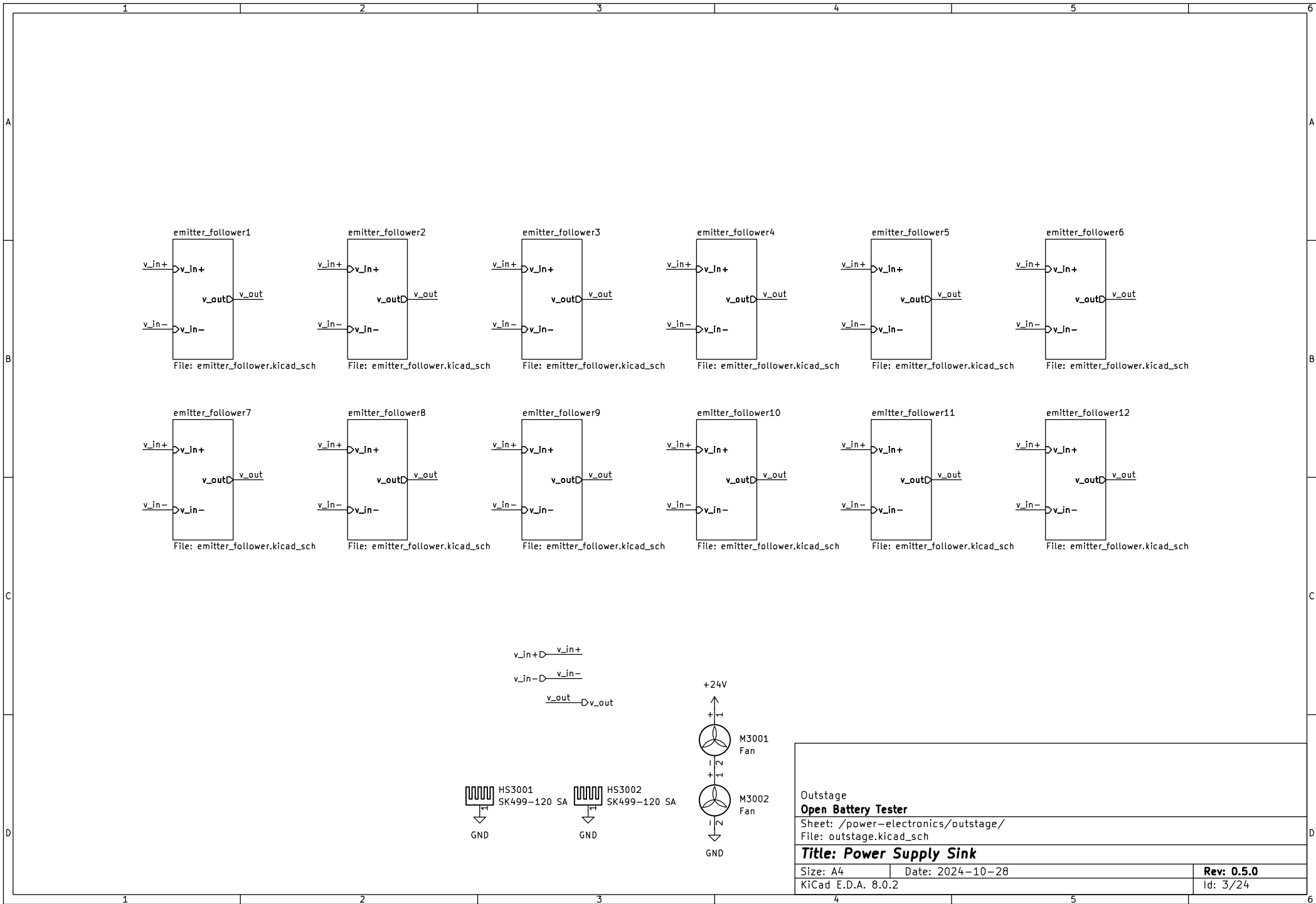
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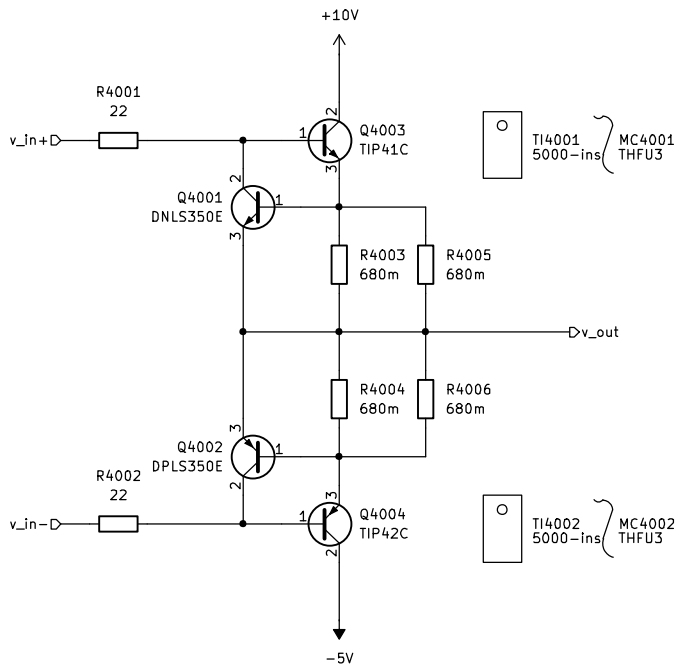
Date: 2024-10-28

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower5/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

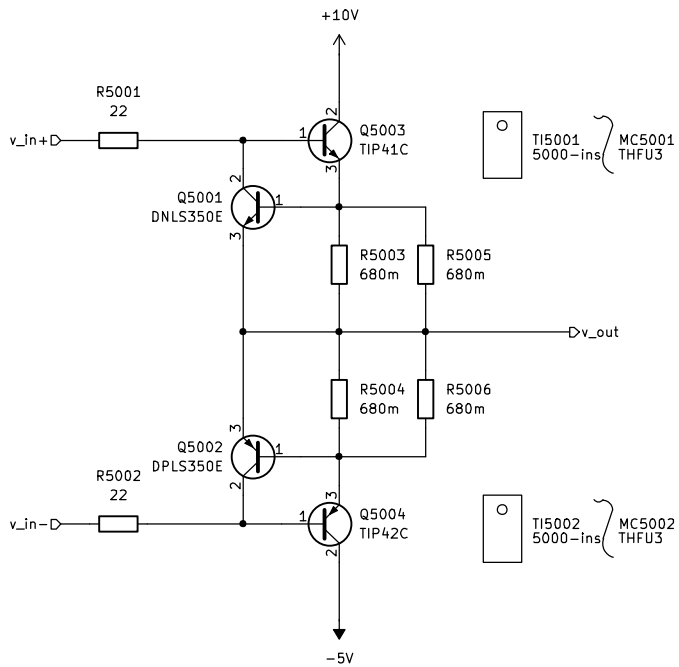
Size: A4

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower10/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

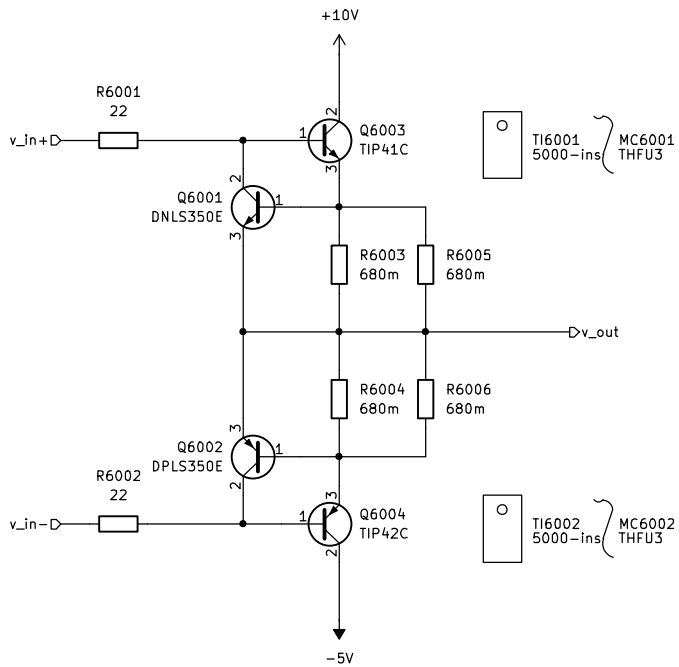
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Date: 2024-10-28

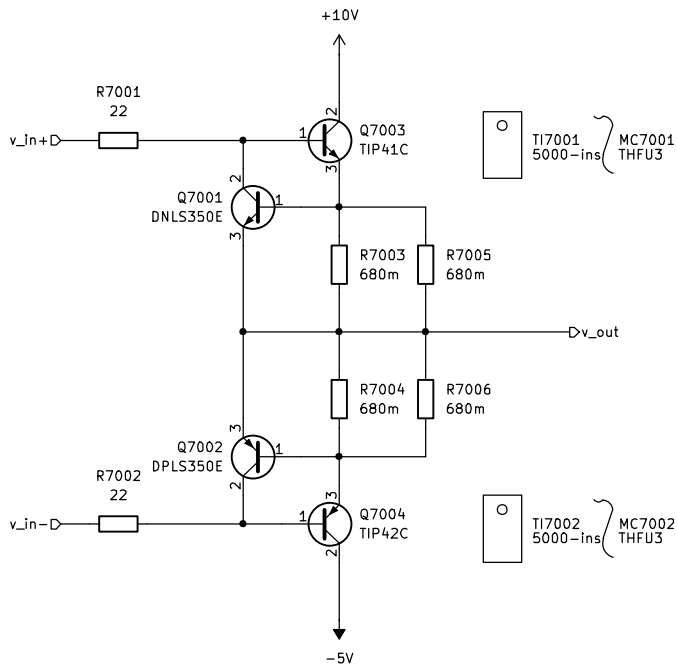
Rev: 0.5.0

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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: 2024-10-28	Rev: 0.5.0
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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower4/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

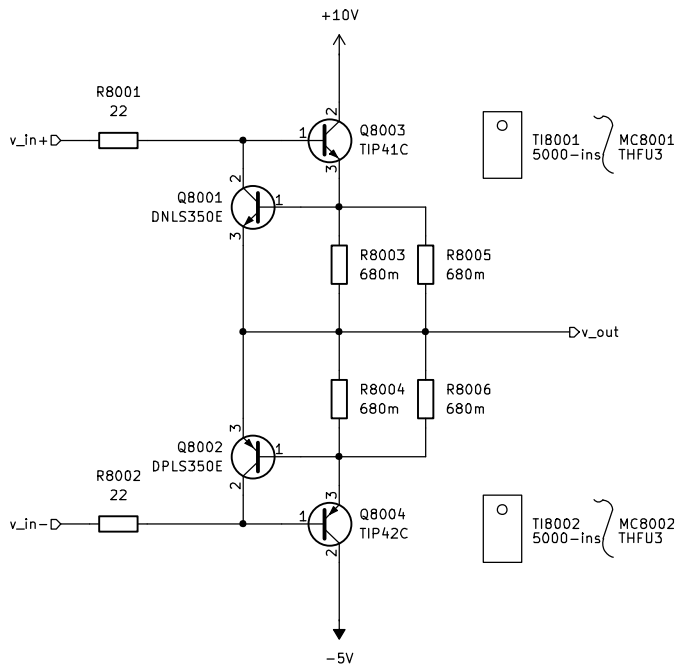
Size: A4

Date: 2024-10-28

Rev: 0.5.0

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower6/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

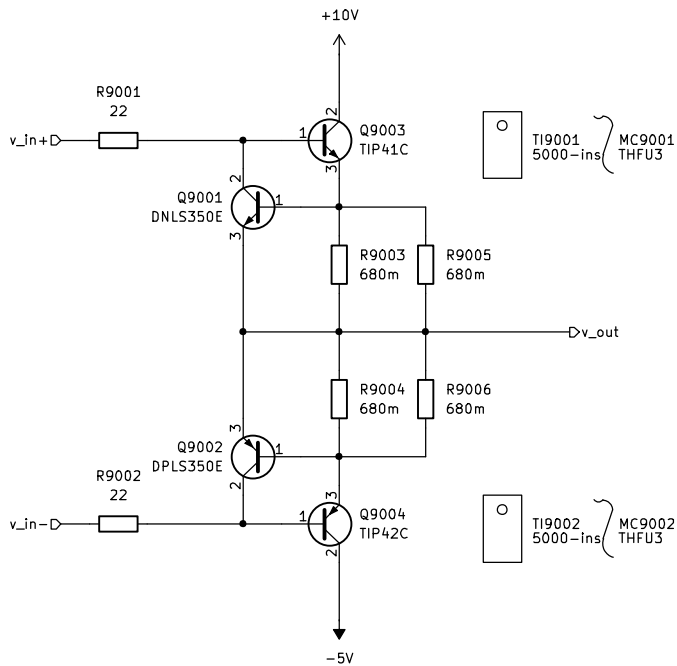
Size: A4

Date: 2024-10-28

Rev: 0.5.0

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower11/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

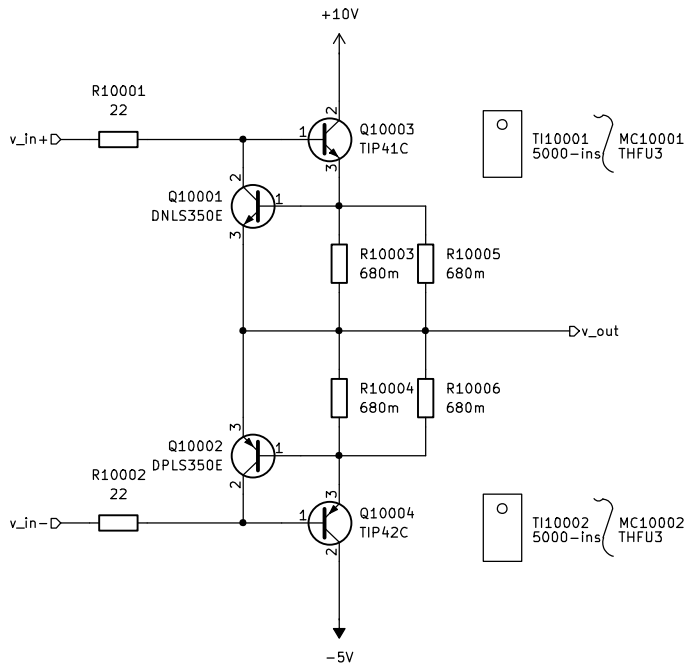
Size: A4

Date: 2024-10-28

Rev: 0.5.0

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower8/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

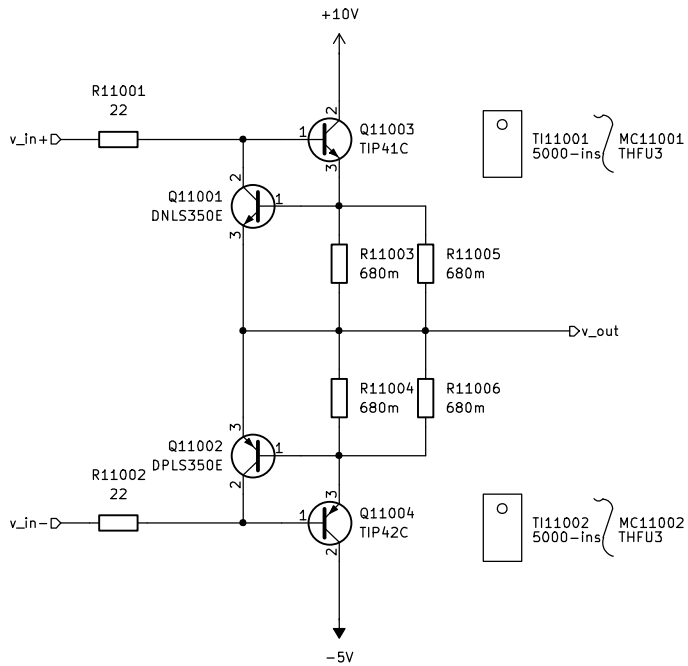
Size: A4

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower2/
File: emitter_follower.kicad_sch

Title: Power Supply Sink

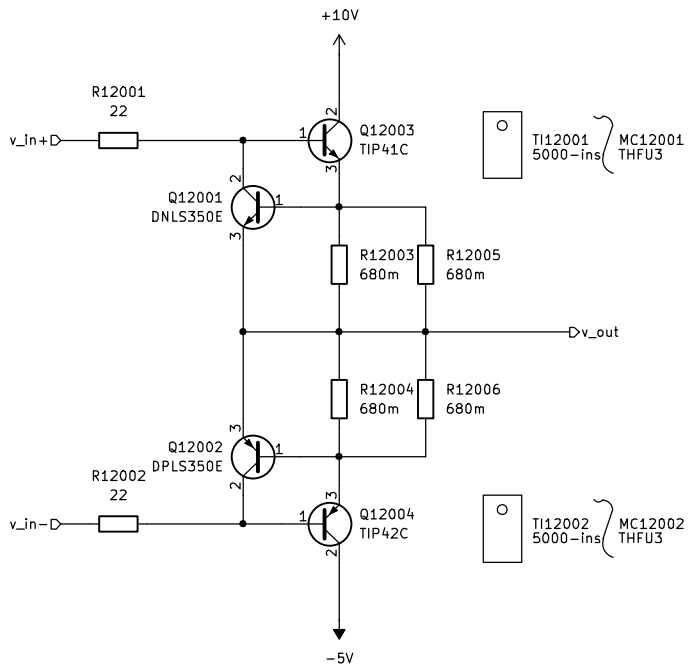
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Date: 2024-10-28

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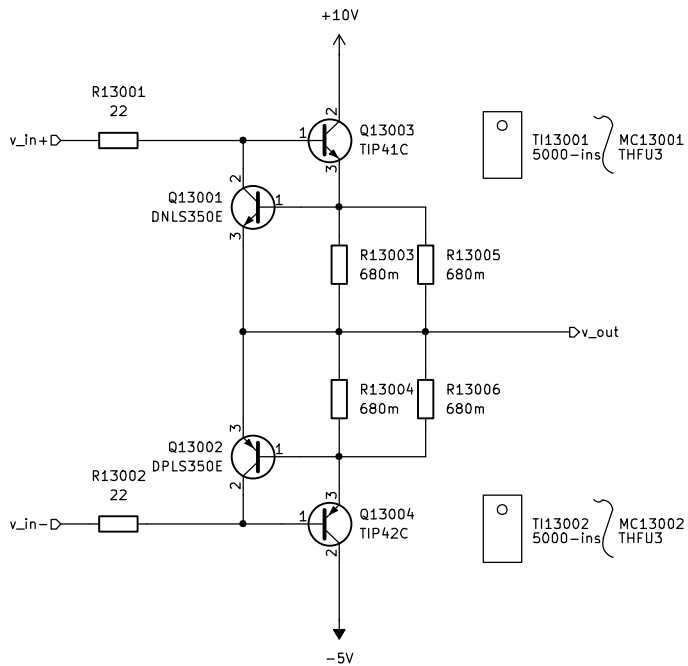
Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower1/
File: emitter_follower.kicad_sch

Title: Power Supply Sink

Size: A4	Date: 2024-10-28	Rev: 0.5.0
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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower7/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

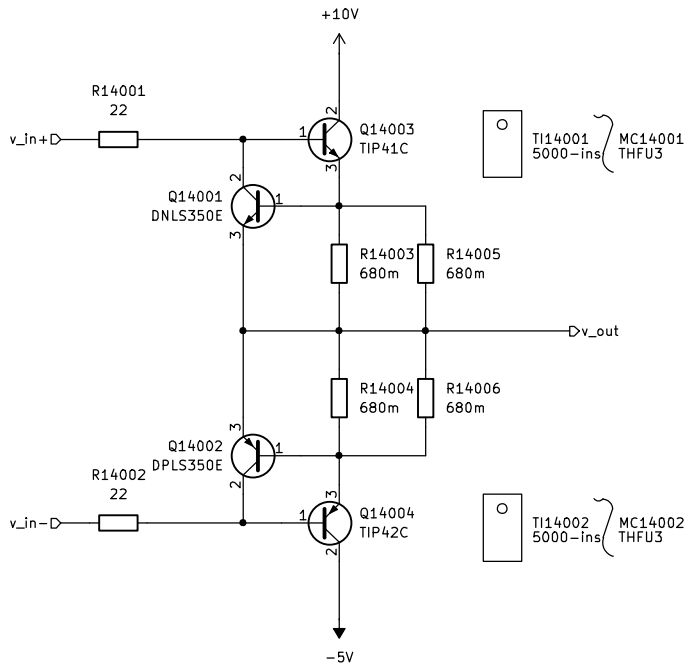
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Date: 2024-10-28

Rev: 0.5.0

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower3/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

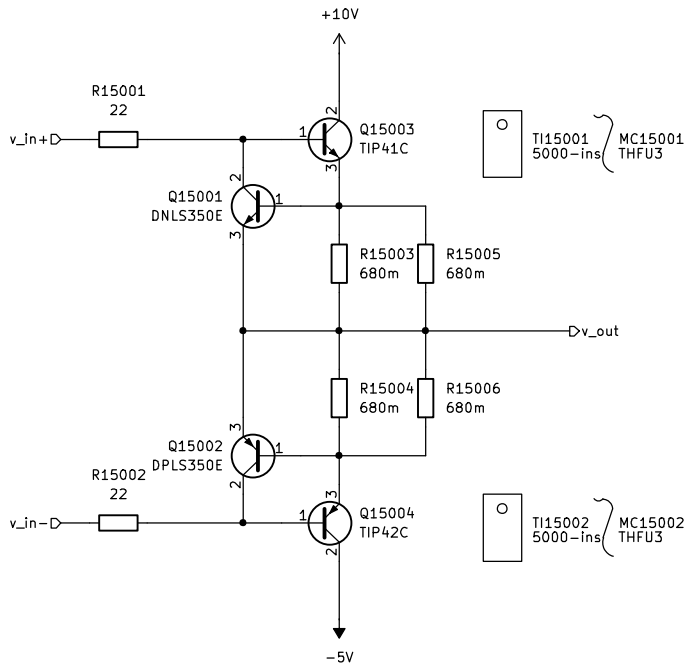
Size: A4

Date: 2024-10-28

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Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower9/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

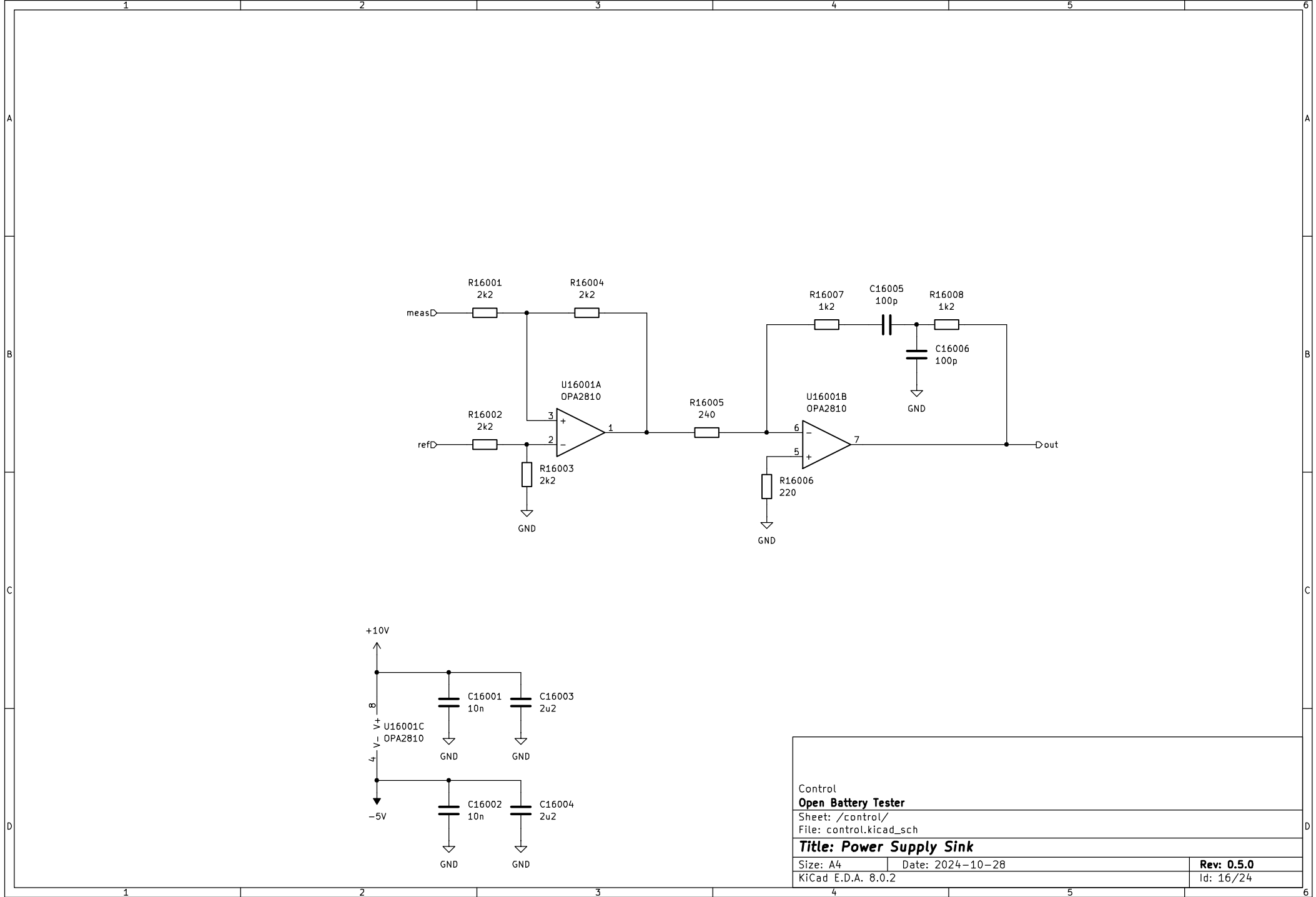
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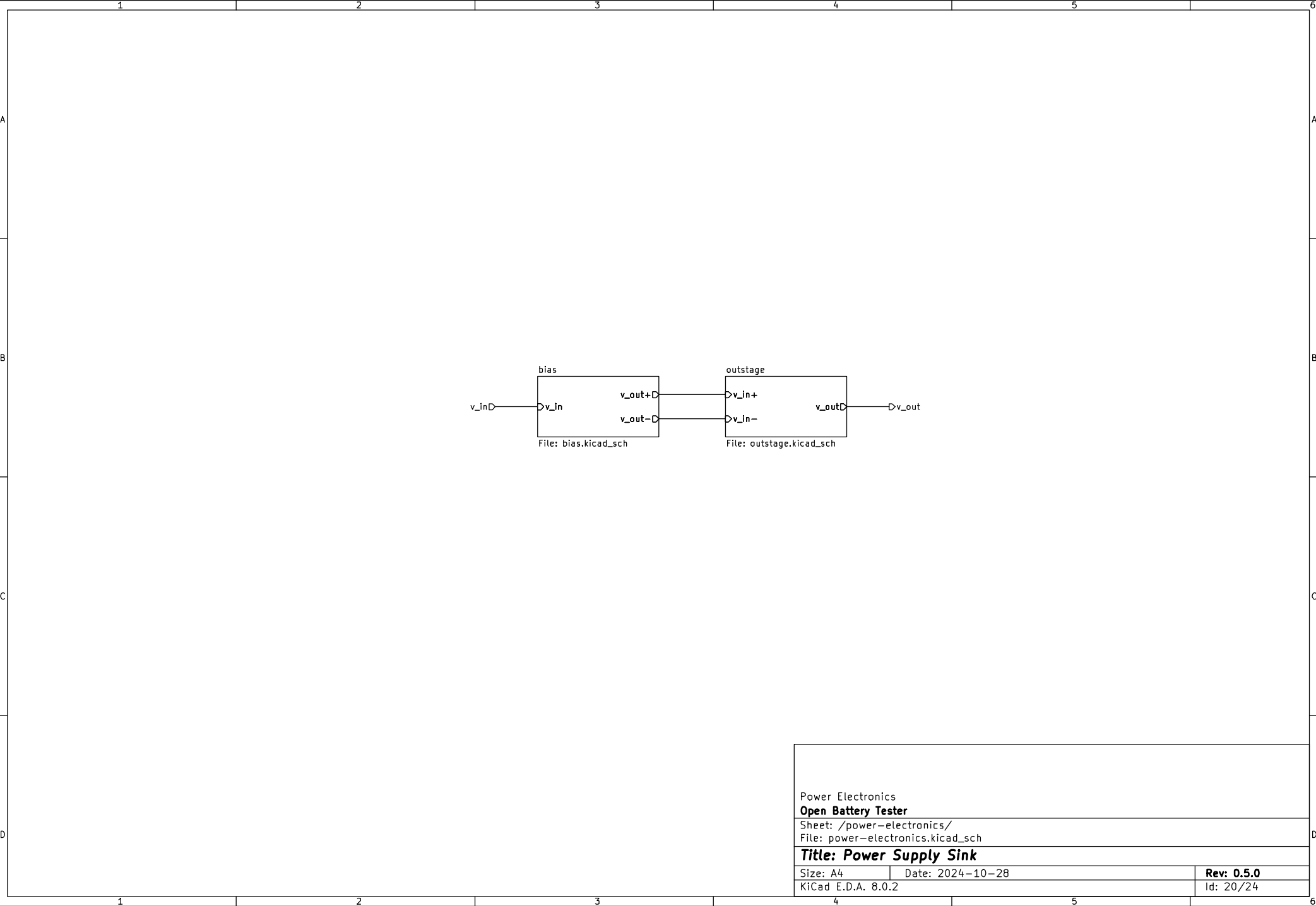
Date: 2024-10-28

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Power Electronics

Open Battery Tester

Sheet: /power-electronics/

File: power-electronics.kicad_sch

Title: Power Supply Sink

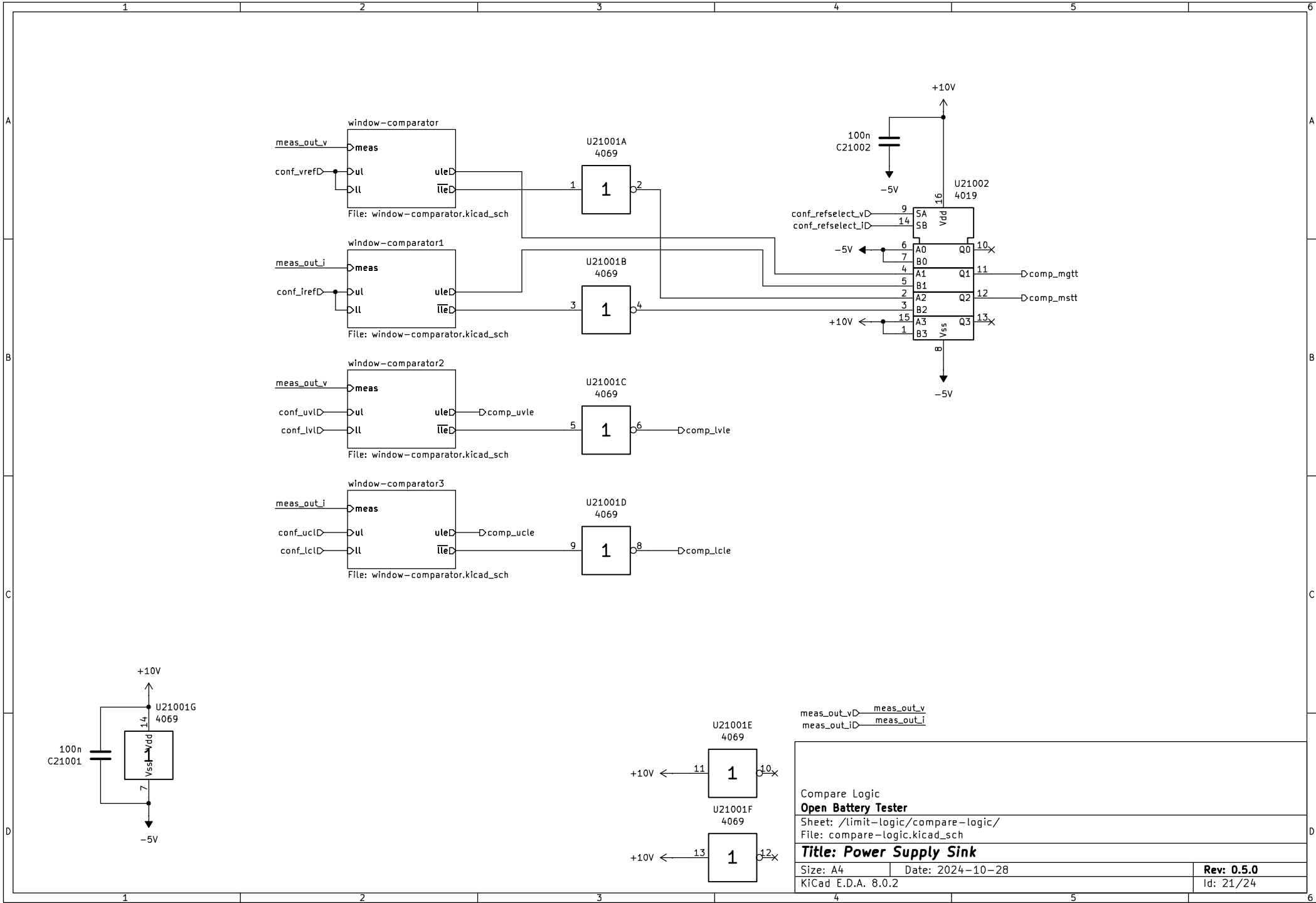
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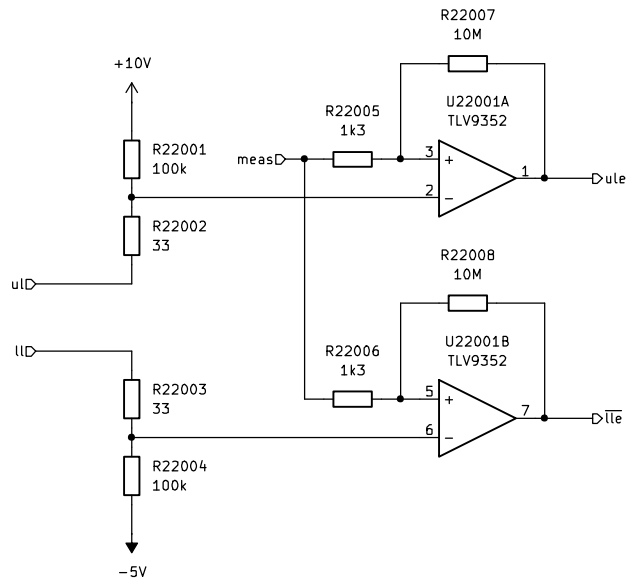
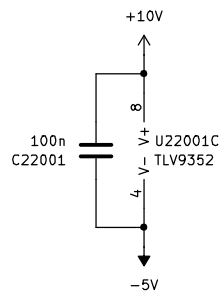
Date: 2024-10-28

Rev: 0.5.0

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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

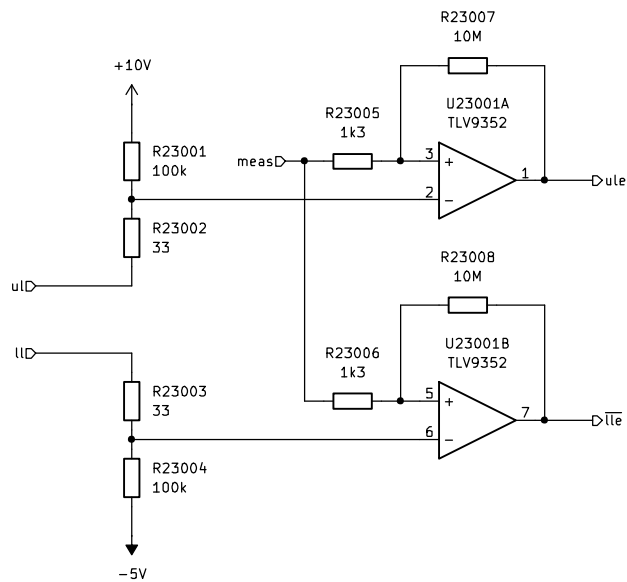
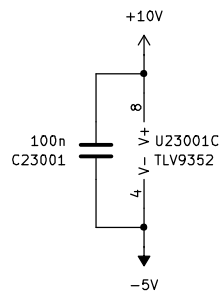
Size: A4

Date: 2024-10-28

Rev: 0.5.0

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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

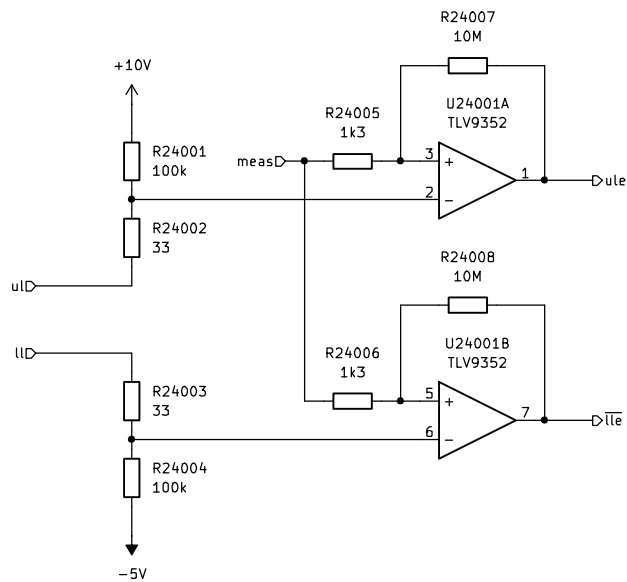
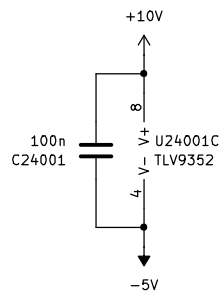
Size: A4

Date: 2024-10-28

Rev: 0.5.0

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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

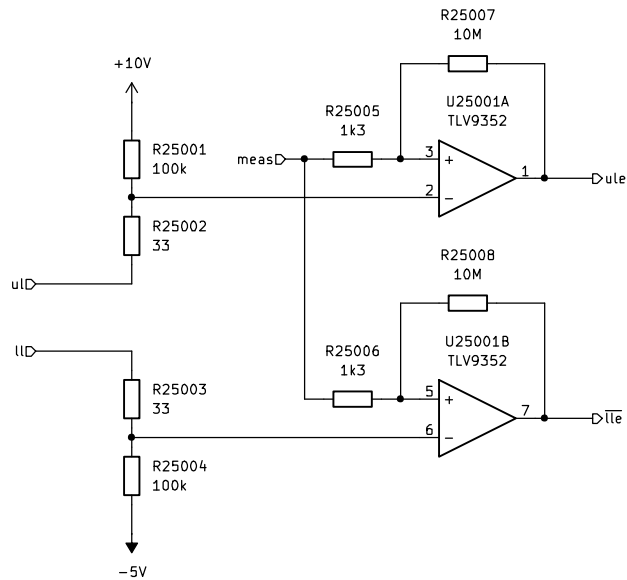
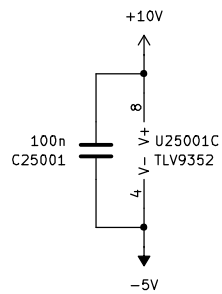
Size: A4

Date: 2024-10-28

Rev: 0.5.0

KiCad E.D.A. 8.0.2

Id: 23/24



Window-Comparator
Open Battery Tester

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

Title: Power Supply Sink

Size: A4

Date: 2024-10-28

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