

```

conf
├── CS          conf_vrefD
├── SCLK        conf_uvld
├── SDI         conf_lvld
├── SDO         conf_irefd
│               conf_ucld
│               conf_lclD
│               relay_connectD
│               conf_okD
├── conf_refselect_vD
└── conf_refselect_iD

```

```

mux
├── conf_vref
├── conf_uvl
├── conf_lvl
├── conf_lref
├── conf_ucl
├── conf_lcl
├── meas_out_v
├── meas_out_i
├── mode_vc
├── mode_vvc
├── mode_lvlc
├── mode_cc
├── mode_vcl
├── mode_lcl
└── mux_refD
    └── mux_measD

```

```
control-var
├── ref
└── meas
```

power-electronics

```

measurement
┌───────────┴───────────┐
│ In                      out │
│ meas_out_v              │
│ meas_out_i              │
└───────────┴───────────┘

```

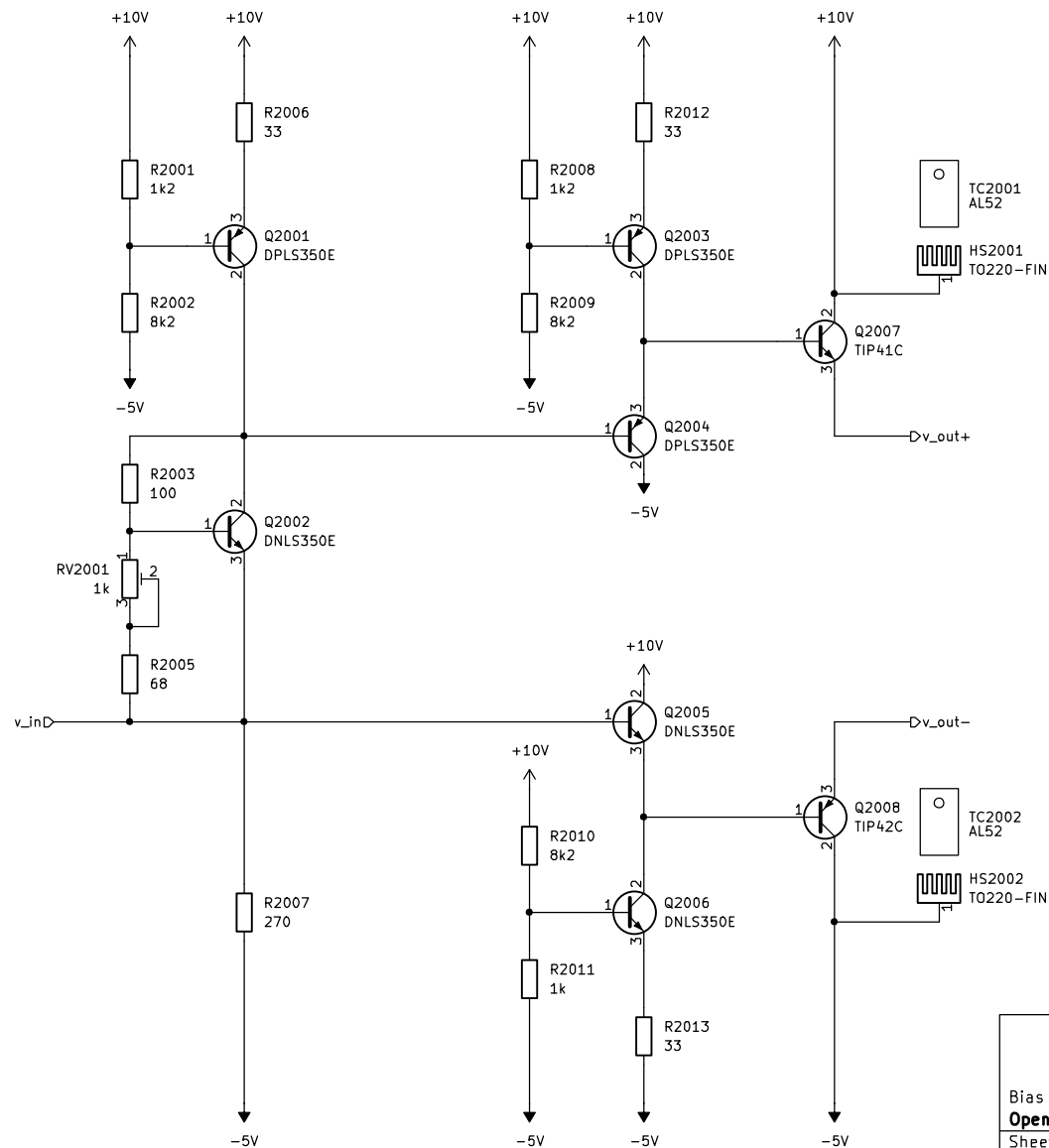
[illegible]

```
adc
┌───────────┐
│> CONVST/CS      AIN_P┐
│> SCKL            │
│> SDI              │
│< SDO-0           │
└───────────┘
```

```
adc1
> CONVST/CS
> SCKL
> SDI
> SDO-0
```

limit-logic	
▷power_ok	
▷conf_ok	
▷conf_refselect_v	mode_vc
▷conf_vref	mode_uvltc
▷conf_uvl	mode_lvlc
▷conf_lvl	
▷conf_refselect_i	mode_cc
▷conf_iref	mode_ucltc
▷conf_ucl	mode_lcltc
▷conf_lcl	
▷meas_out_v	
▷meas_out_i	

Id: 1/32



Bias Stage

Open Battery Tester

Sheet: /power-electronics/bias/

File: bias.kicad_sch

Title: Power Supply Sink

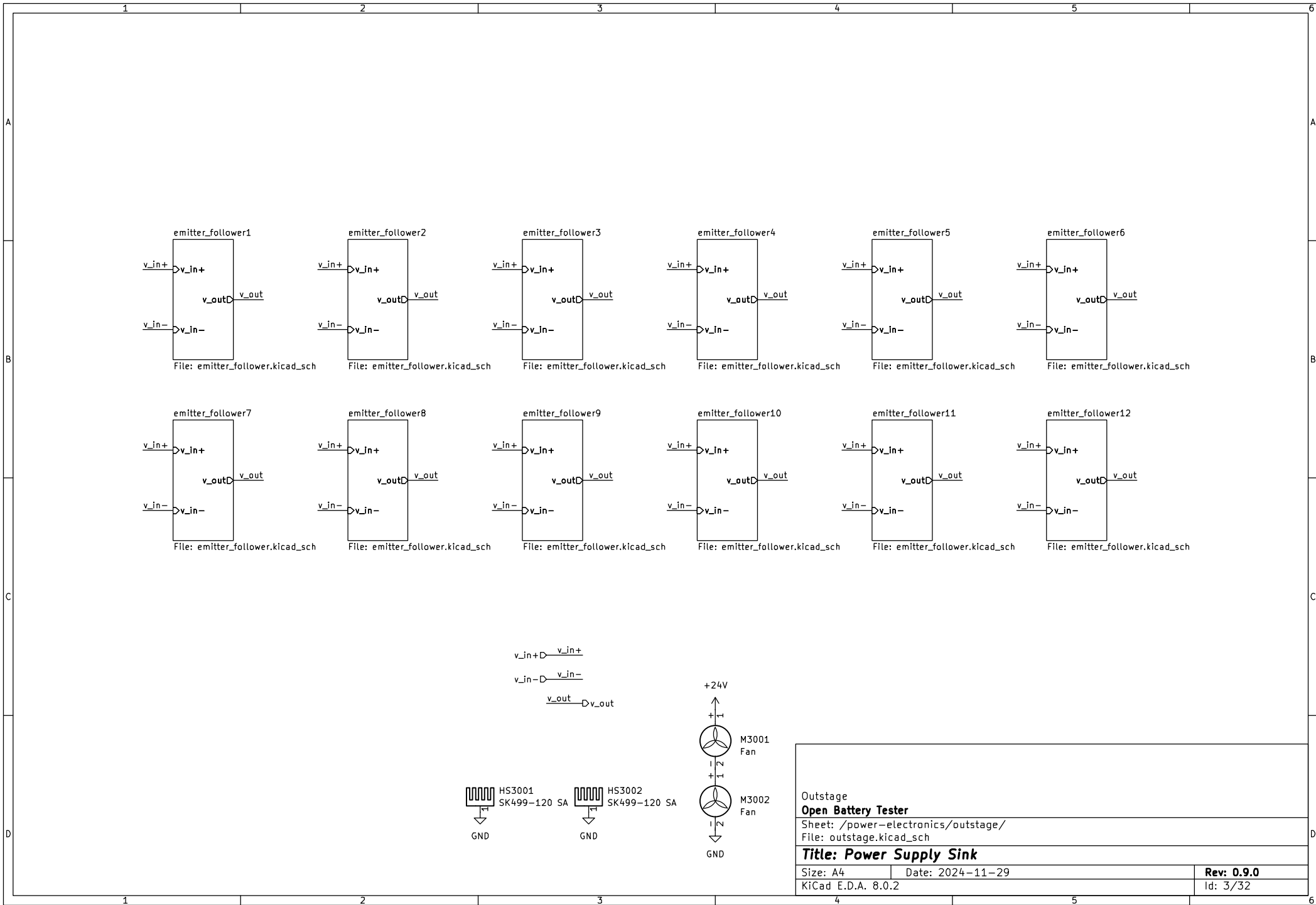
Size: A4

Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 2/32



Outstage

Open Battery Tester

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

Title: Power Supply Sink

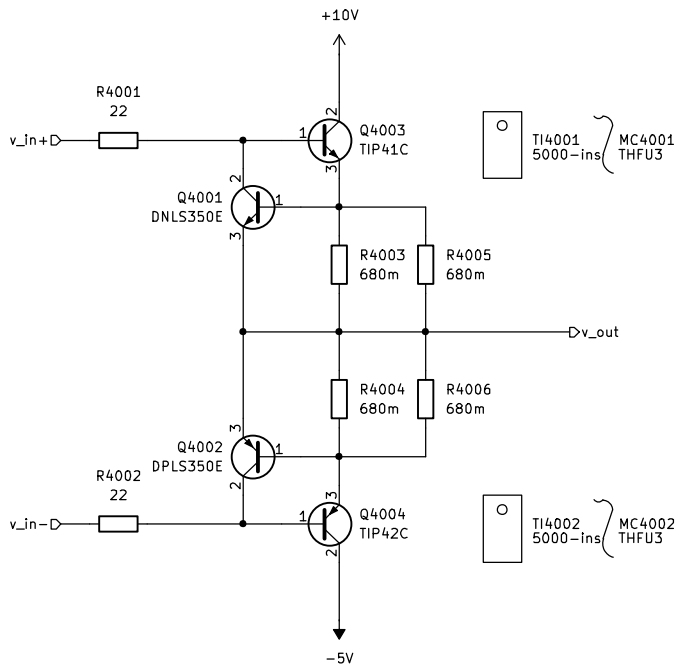
Size: A4

Date: 2024-11-29

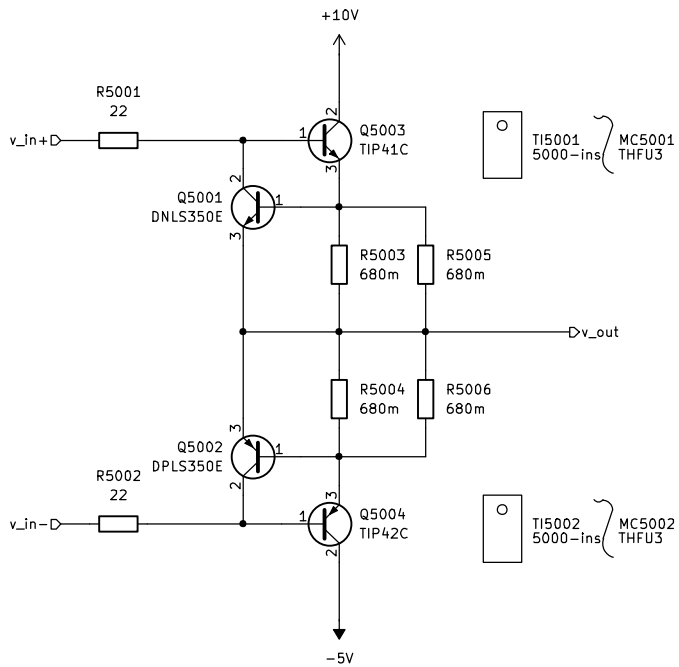
Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 3/32



Emitter Follower		
Open Battery Tester		
Sheet: /power-electronics/outstage/emitter_follower5/		
File: emitter_follower.kicad_sch		
Title: Power Supply Sink		
Size: A4	Date: 2024-11-29	Rev: 0.9.0
KiCad E.D.A. 8.0.2		Id: 0/32



Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower10/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

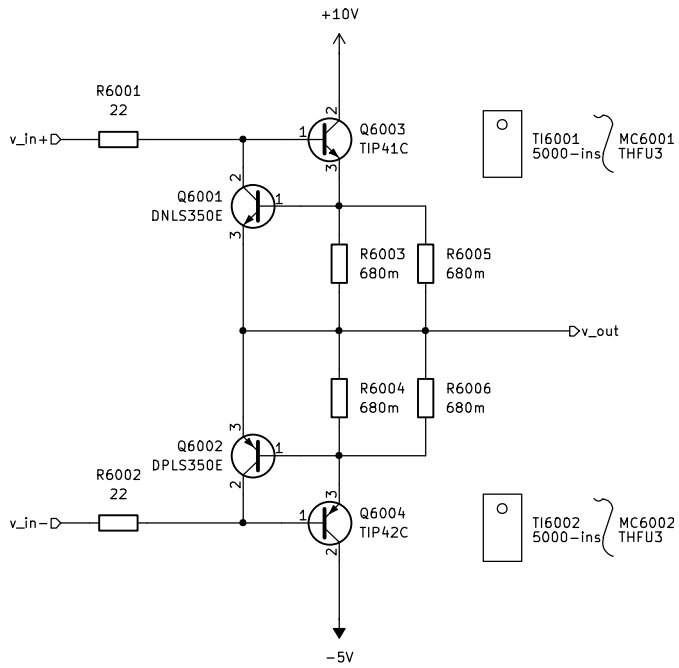
Size: A4

Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 4/32



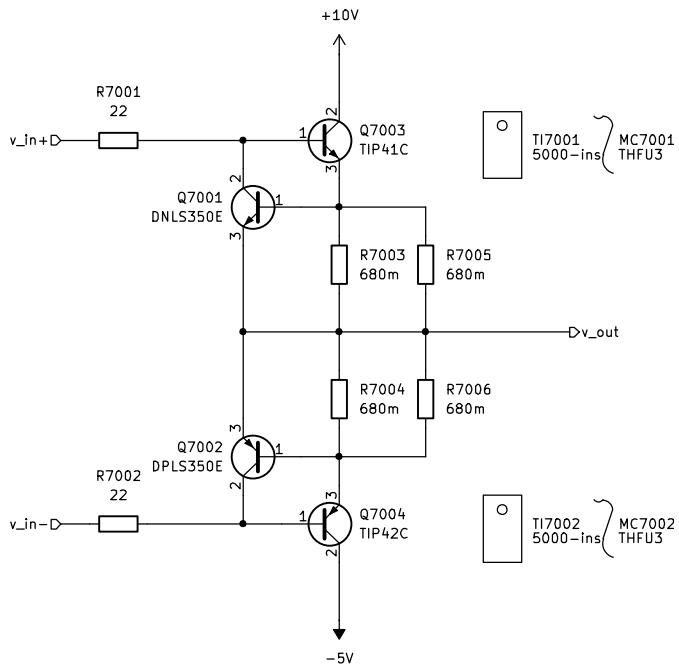
Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower12/
File: emitter_follower.kicad_sch

Title: Power Supply Sink

Size: A4	Date: 2024-11-29	Rev: 0.9.0
KiCad E.D.A. 8.0.2		Id: 5/32



Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower4/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

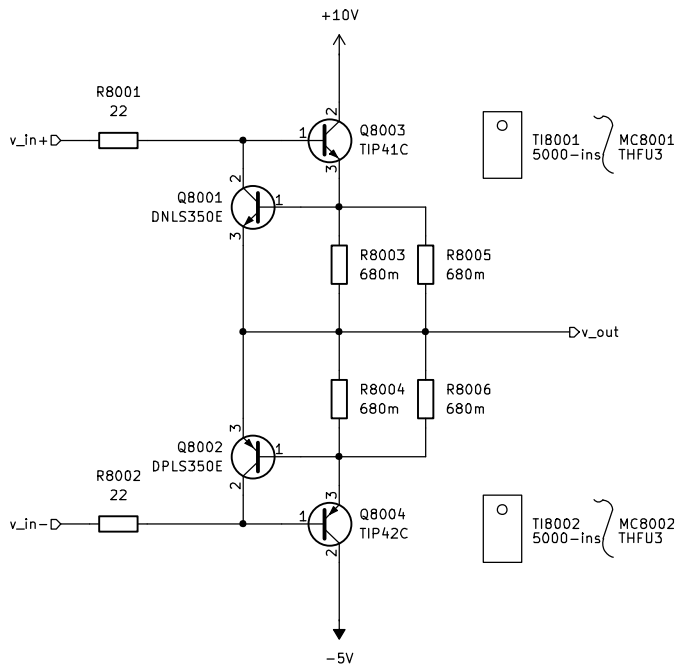
Size: A4

Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 6/32



Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower6/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

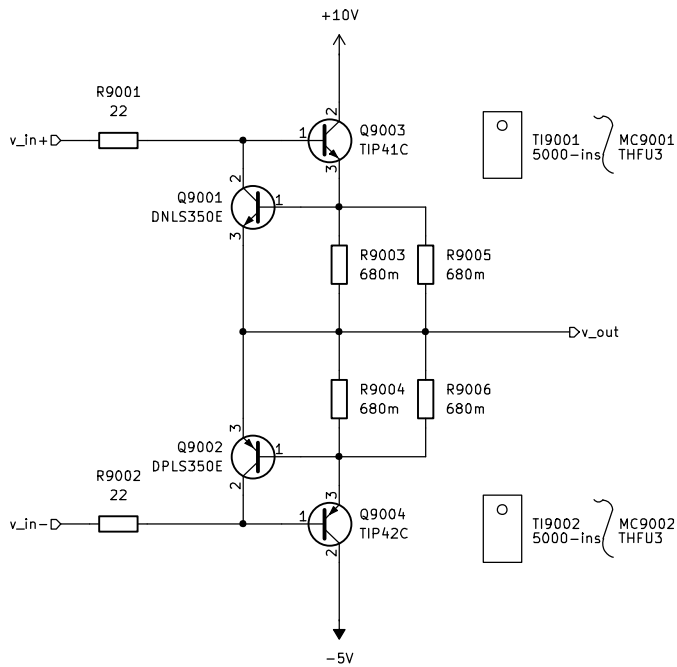
Size: A4

Date: 2024-11-29

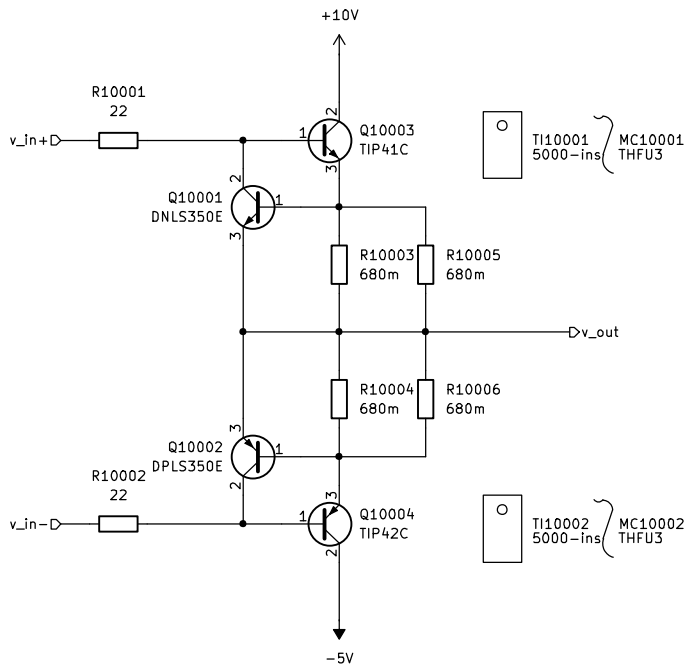
Rev: 0.9.0

KiCad E.D.A. 8.0.2

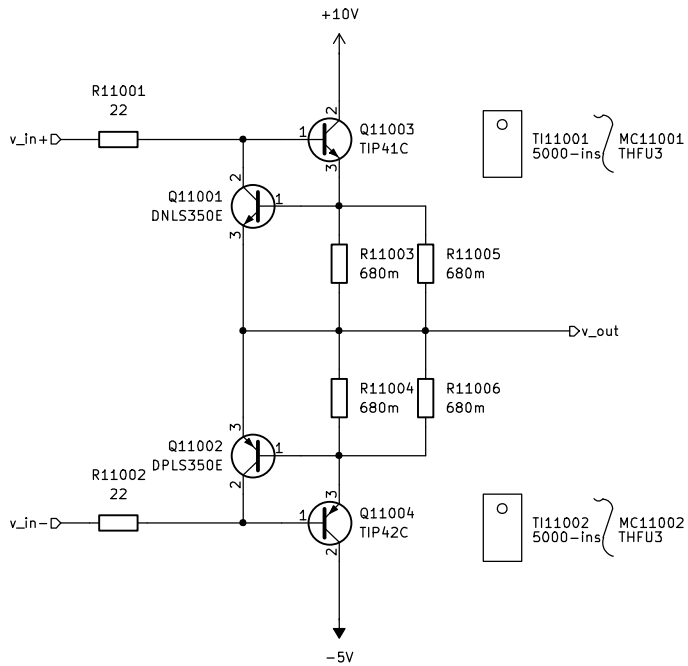
Id: 7/32



Emitter Follower		
Open Battery Tester		
Sheet: /power-electronics/outstage/emitter_follower11/		
File: emitter_follower.kicad_sch		
Title: Power Supply Sink		
Size: A4	Date: 2024-11-29	Rev: 0.9.0
KiCad E.D.A. 8.0.2		Id: 8/32



Emitter Follower		
Open Battery Tester		
Sheet: /power-electronics/outstage/emitter_follower8/		
File: emitter_follower.kicad_sch		
Title: Power Supply Sink		
Size: A4	Date: 2024-11-29	Rev: 0.9.0
KiCad E.D.A. 8.0.2		Id: 9/32



Emitter Follower

Open Battery Tester

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

Title: Power Supply Sink

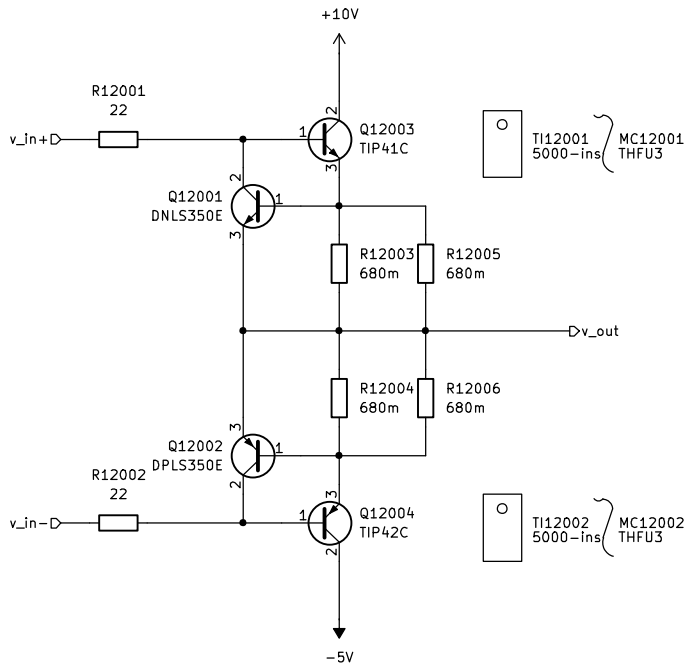
Size: A4

Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 10/32



Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower1/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

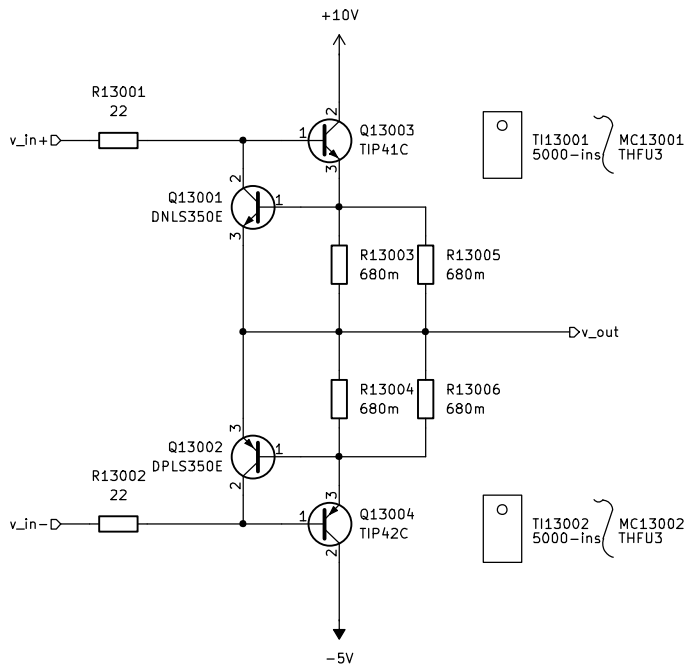
Size: A4

Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 11/32



Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower7/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

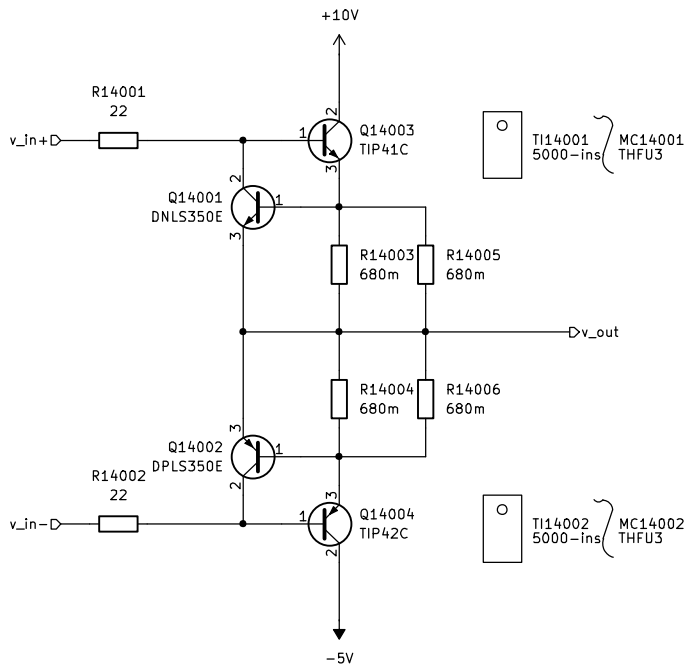
Size: A4

Date: 2024-11-29

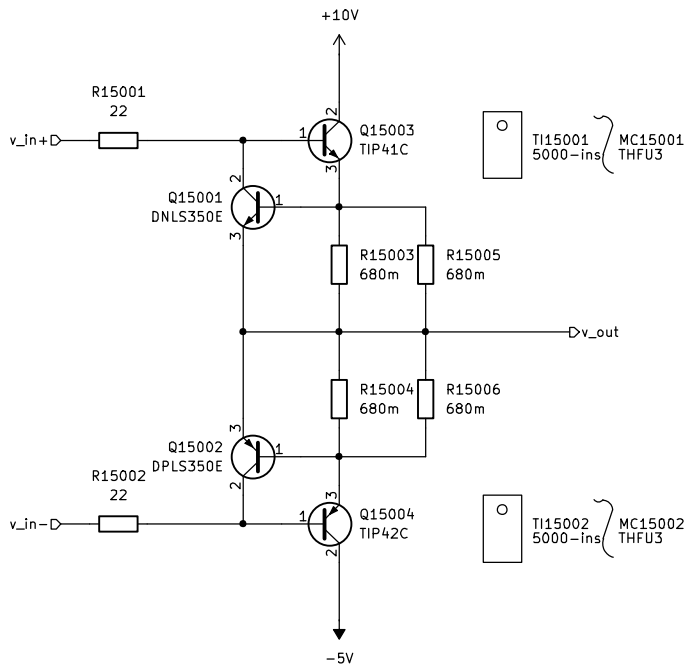
Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 12/32



Emitter Follower		
Open Battery Tester		
Sheet: /power-electronics/outstage/emitter_follower3/		
File: emitter_follower.kicad_sch		
Title: Power Supply Sink		
Size: A4	Date: 2024-11-29	Rev: 0.9.0
KiCad E.D.A. 8.0.2	Id: 13/32	



Emitter Follower

Open Battery Tester

Sheet: /power-electronics/outstage/emitter_follower9/

File: emitter_follower.kicad_sch

Title: Power Supply Sink

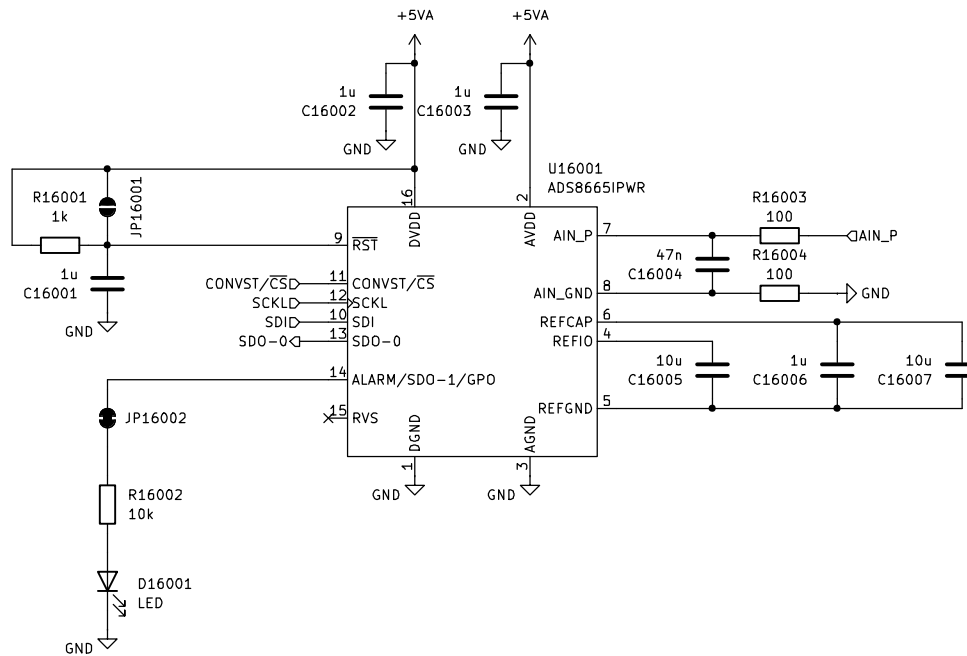
Size: A4

Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 14/32



Analog Digital Converter
Open Battery Tester

Sheet: /adc/
 File: adc.kicad_sch

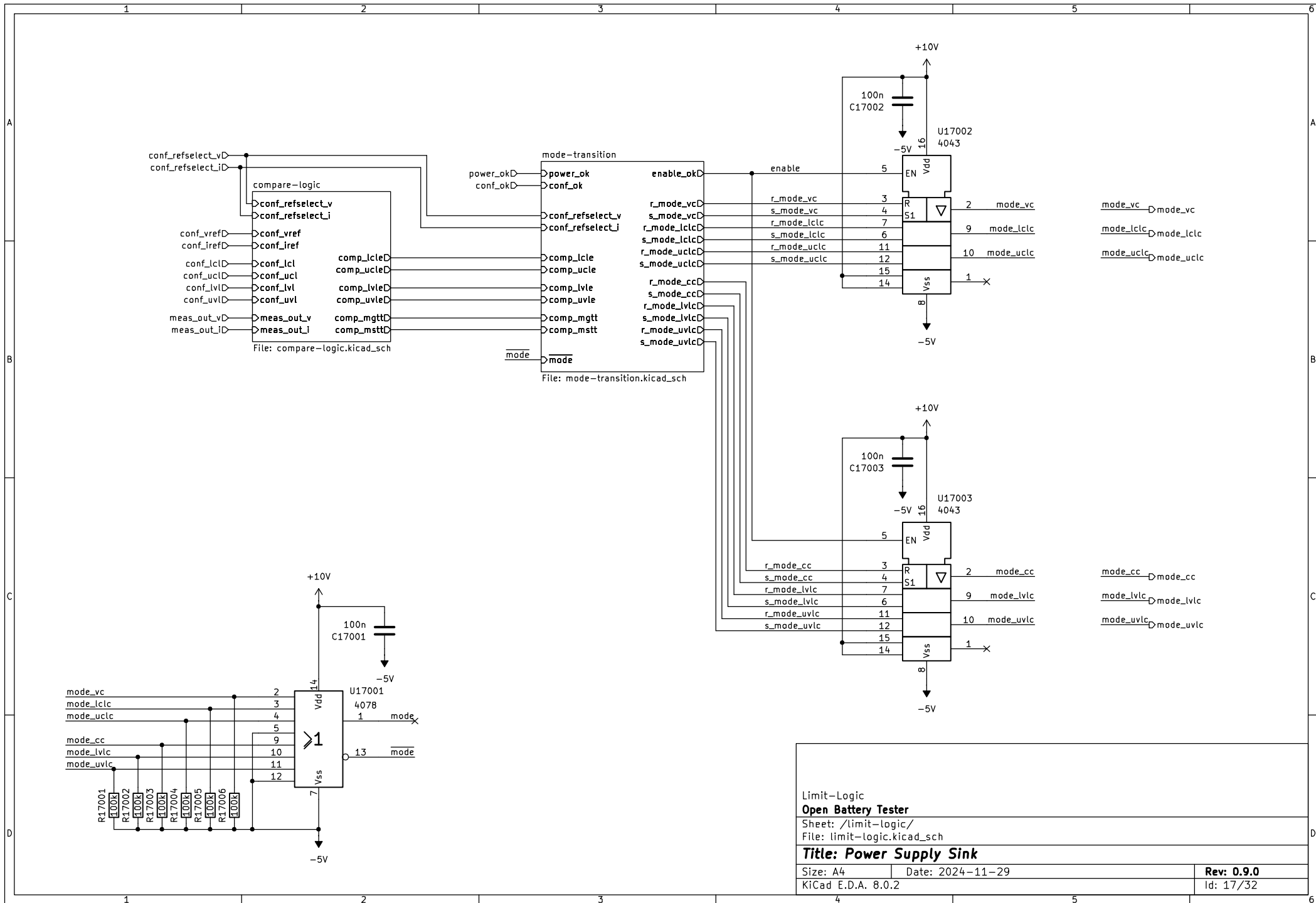
Title: Power Supply Sink

Size: A4 Date: 2024-11-29

KiCad E.D.A. 8.0.2

Rev: 0.9.0

Id: 16/32



Limit-Logic

Open Battery Tester

Sheet: /limit-logic/

File: limit-logic.kicad_sch

Title: Power Supply Sink

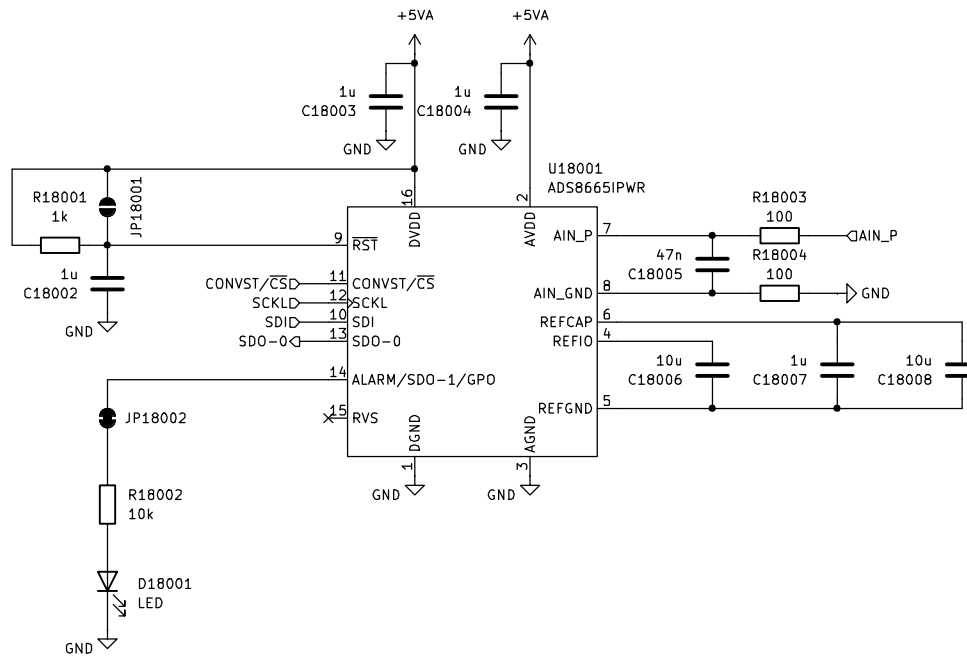
Size: A4

Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 17/32

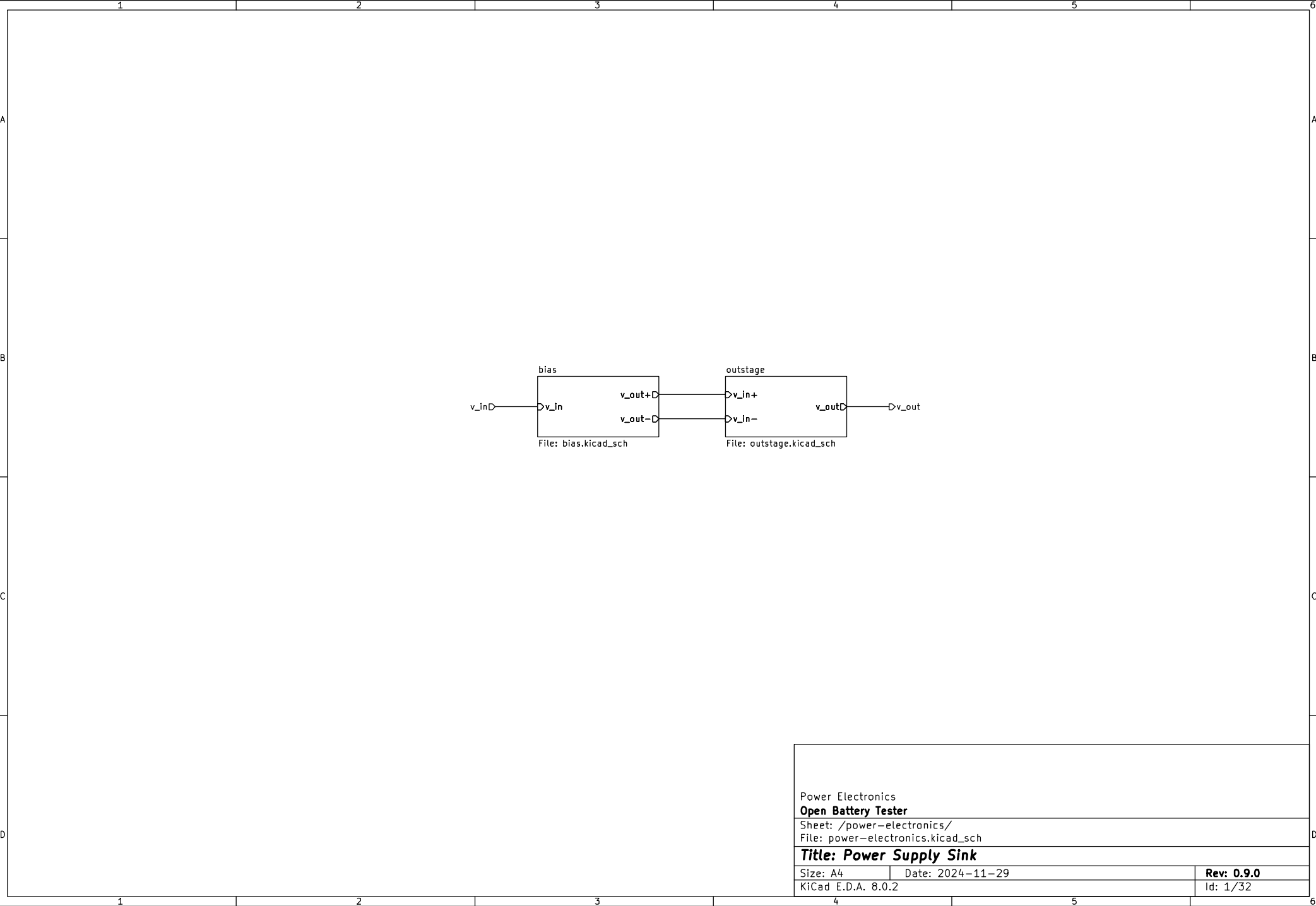


Analog Digital Converter
Open Battery Tester

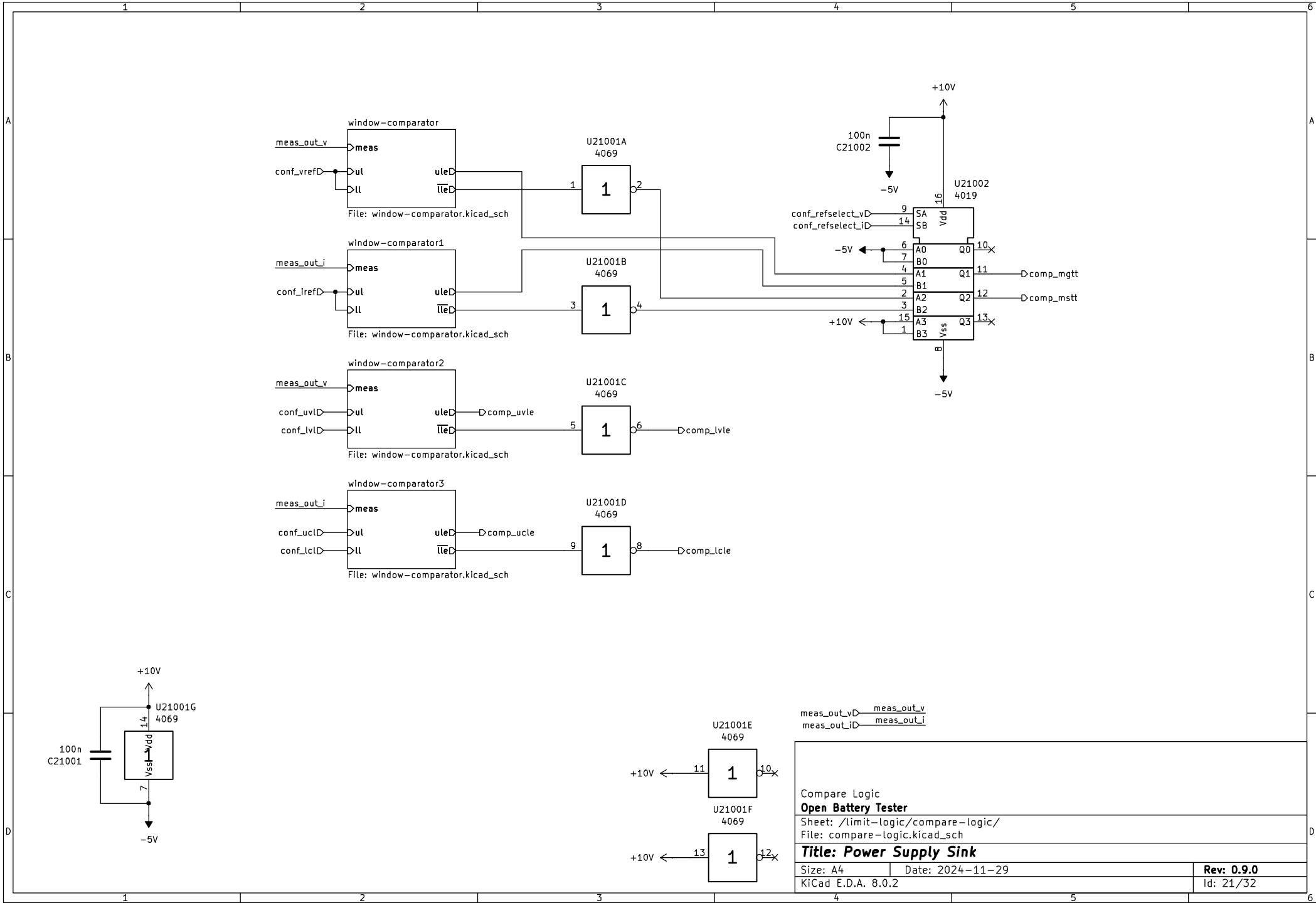
Sheet: /adc1/
 File: adc.kicad_sch

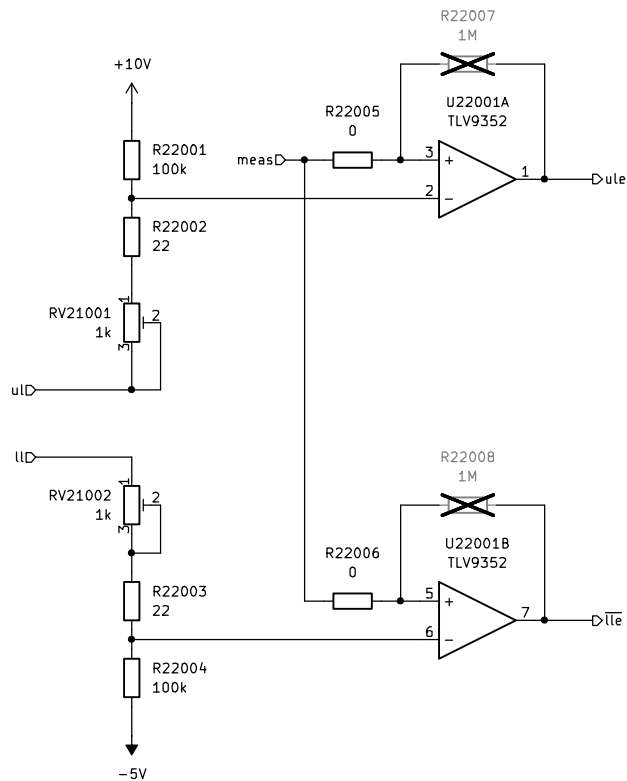
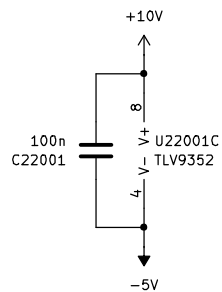
Title: Power Supply Sink

Size: A4	Date: 2024-11-29	Rev: 0.9.0
KiCad E.D.A. 8.0.2		Id: 16/32



Power Electronics		
Open Battery Tester		
Sheet: /power-electronics/		
File: power-electronics.kicad_sch		
Title: Power Supply Sink		
Size: A4	Date: 2024-11-29	Rev: 0.9.0
KiCad E.D.A. 8.0.2		Id: 1/32





Window-Comparator

Open Battery Tester

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

File: window-comparator.kicad_sch

Title: Power Supply Sink

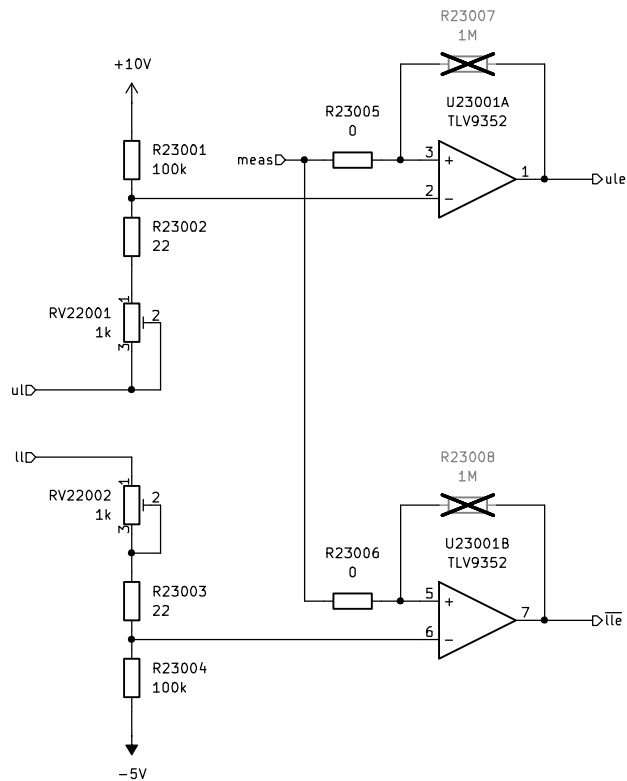
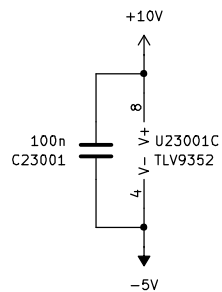
Size: A4

Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 23/32



Window-Comparator
Open Battery Tester

Sheet: /limit-logic/compare-logic/window-comparator1/
File: window-comparator.kicad_sch

Title: Power Supply Sink

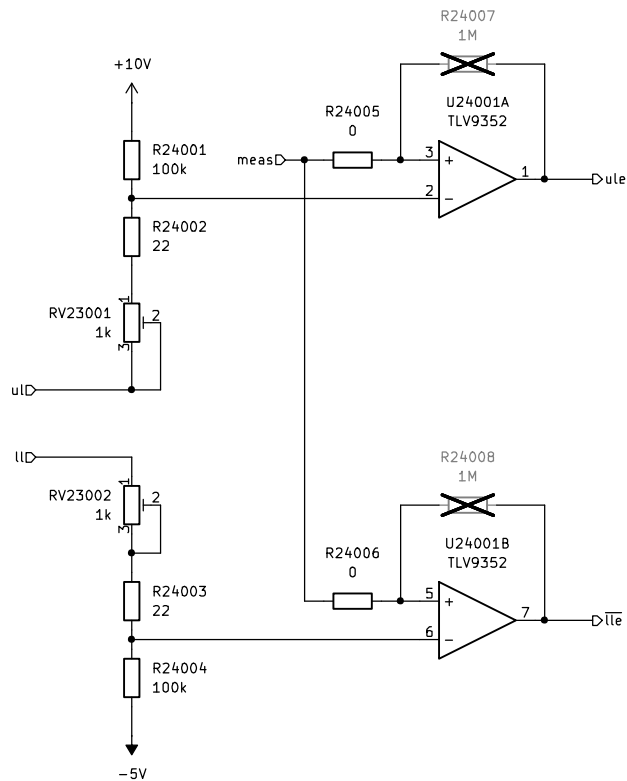
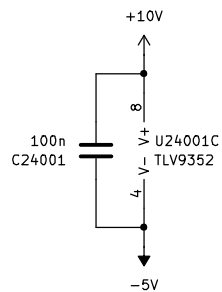
Size: A4

Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 22/32



Window-Comparator

Open Battery Tester

Sheet: /limit-logic/compare-logic/window-comparator2/

File: window-comparator.kicad_sch

Title: Power Supply Sink

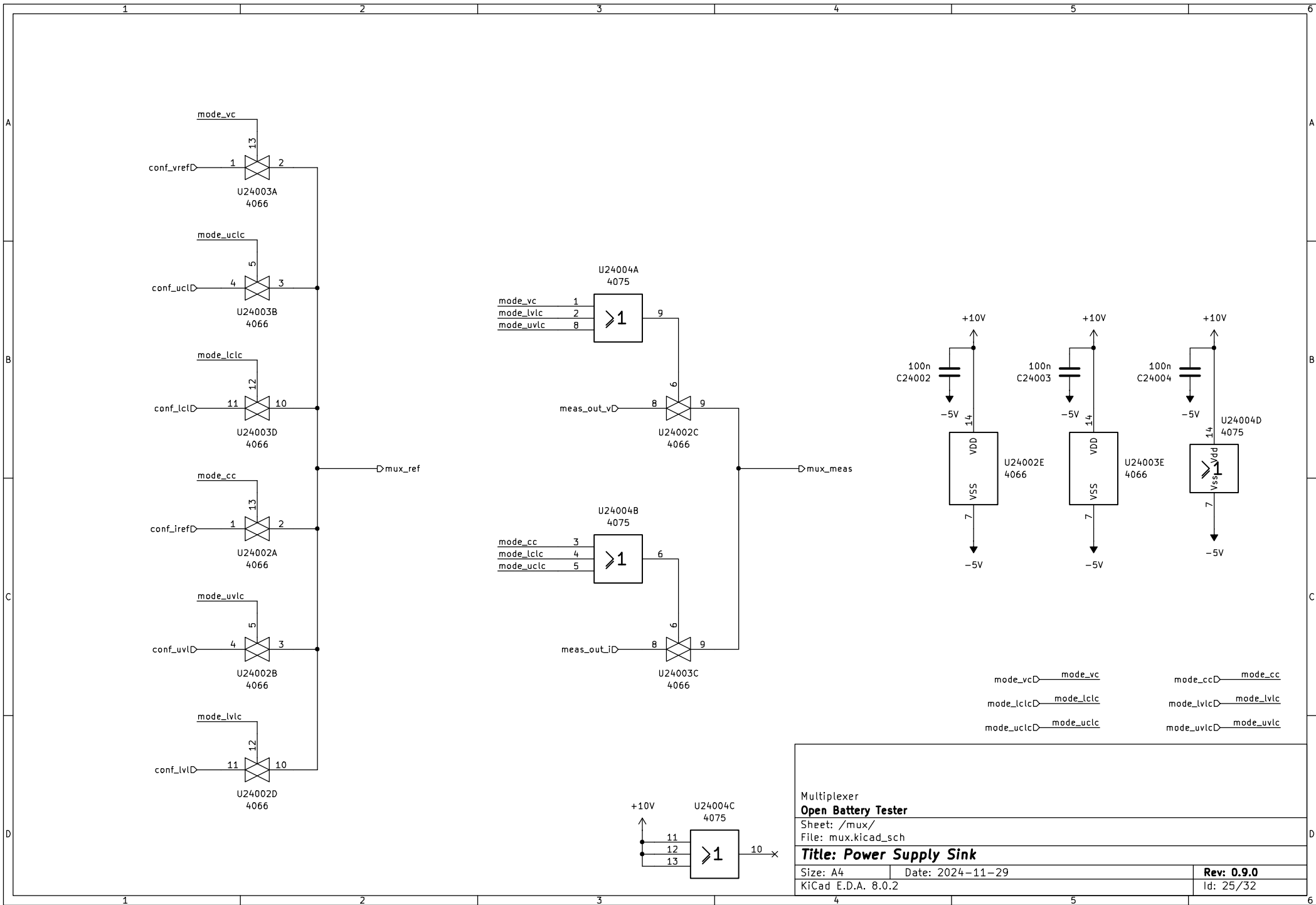
Size: A4

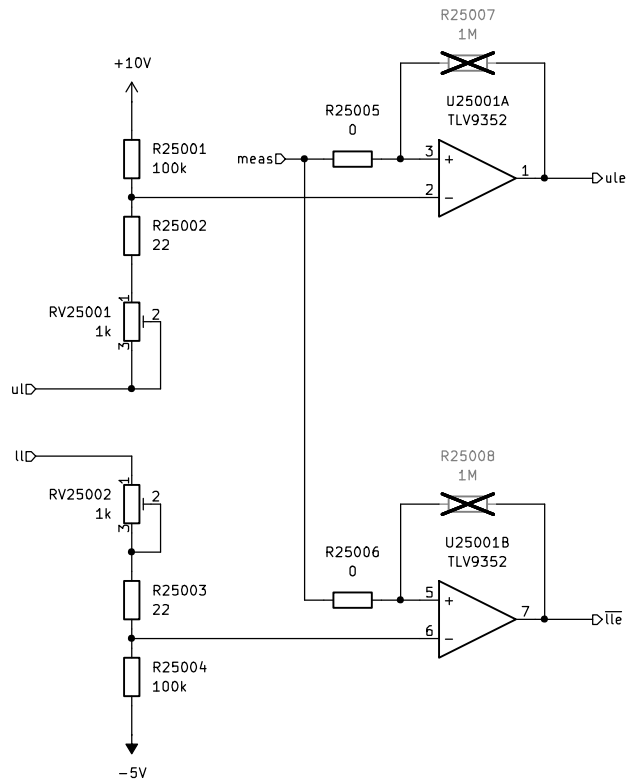
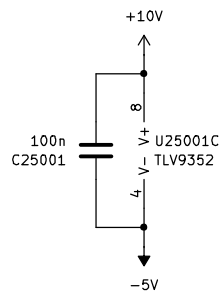
Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 23/32





Window-Comparator
Open Battery Tester

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

Title: Power Supply Sink

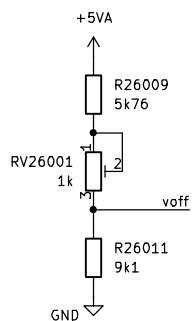
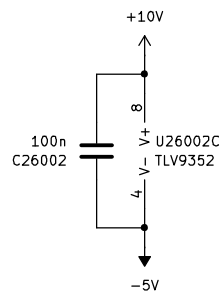
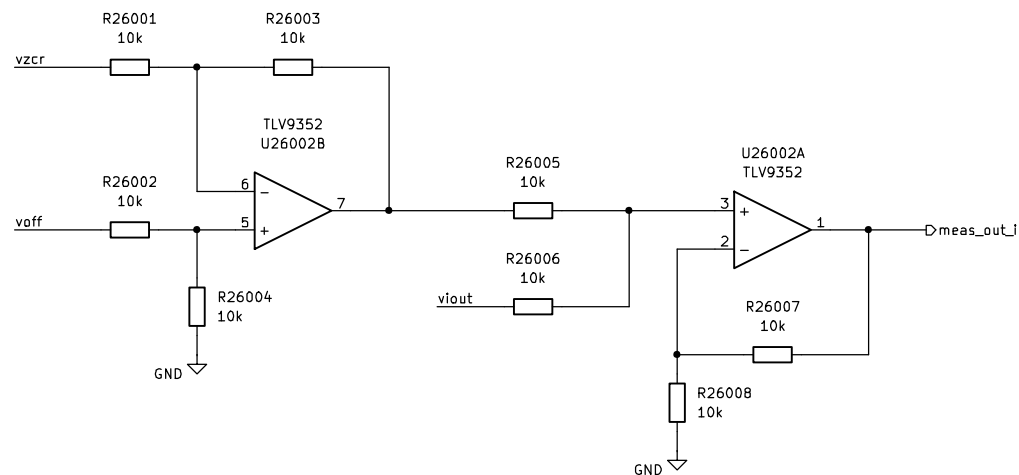
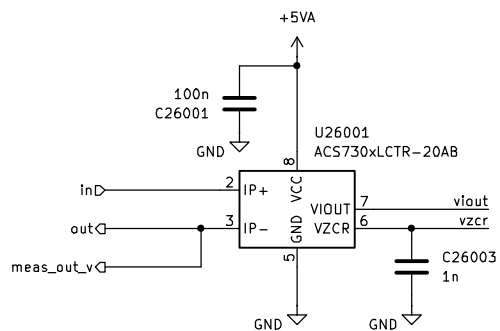
Size: A4

Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 24/32



Measurement

Open Battery Tester

Sheet: /measurement/

File: measurement.kicad_sch

Title: Power Supply Sink

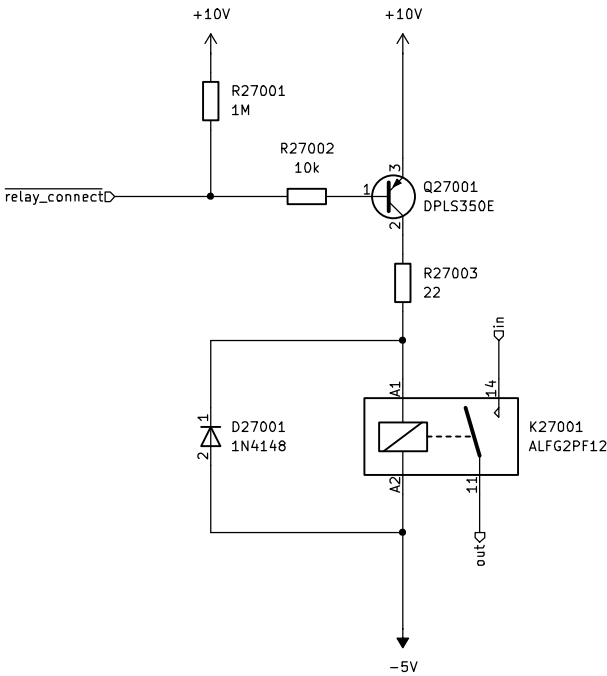
Size: A4

Date: 2024-11-29

Rev: 0.9.0

KiCad E.D.A. 8.0.2

Id: 26/32

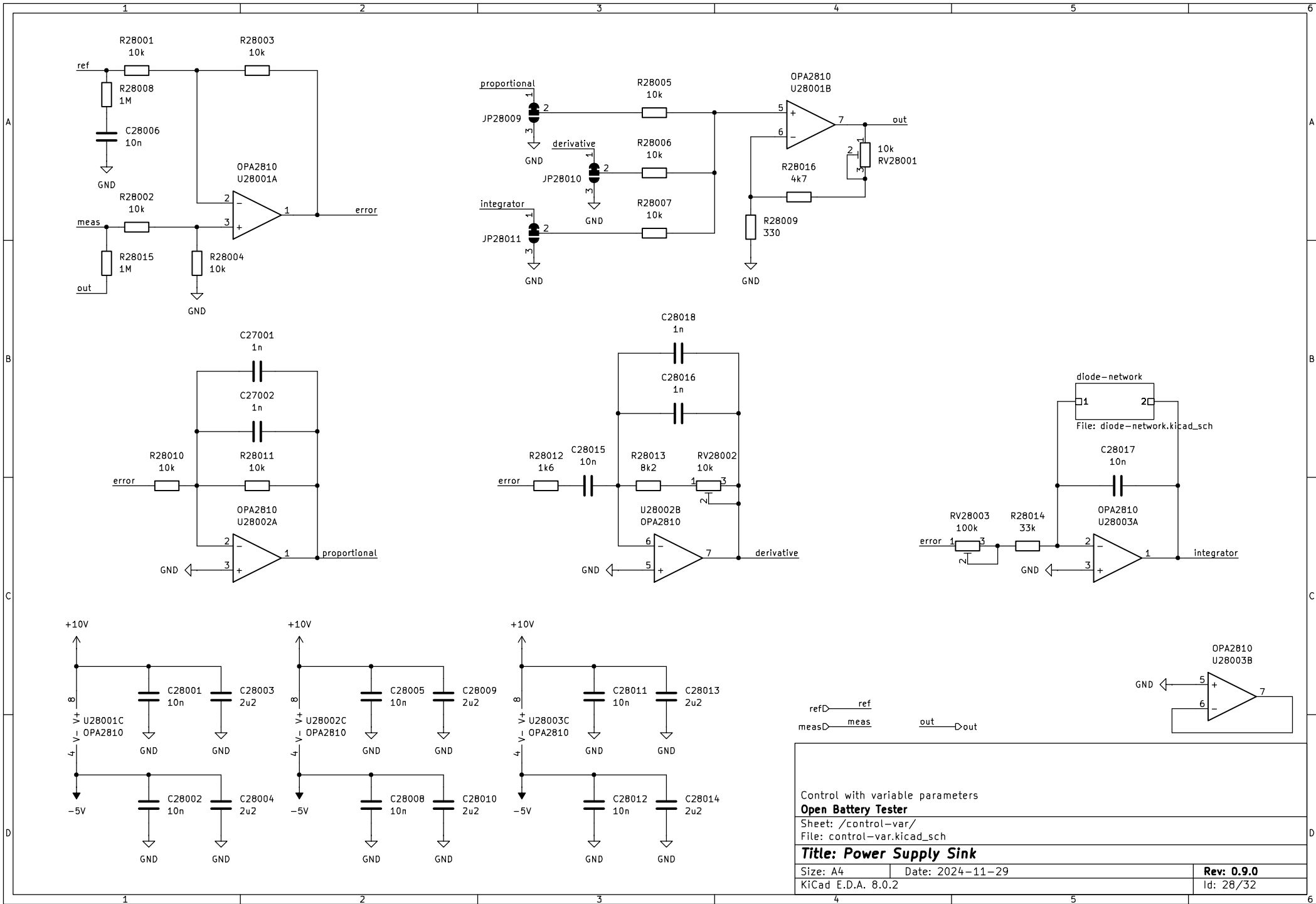


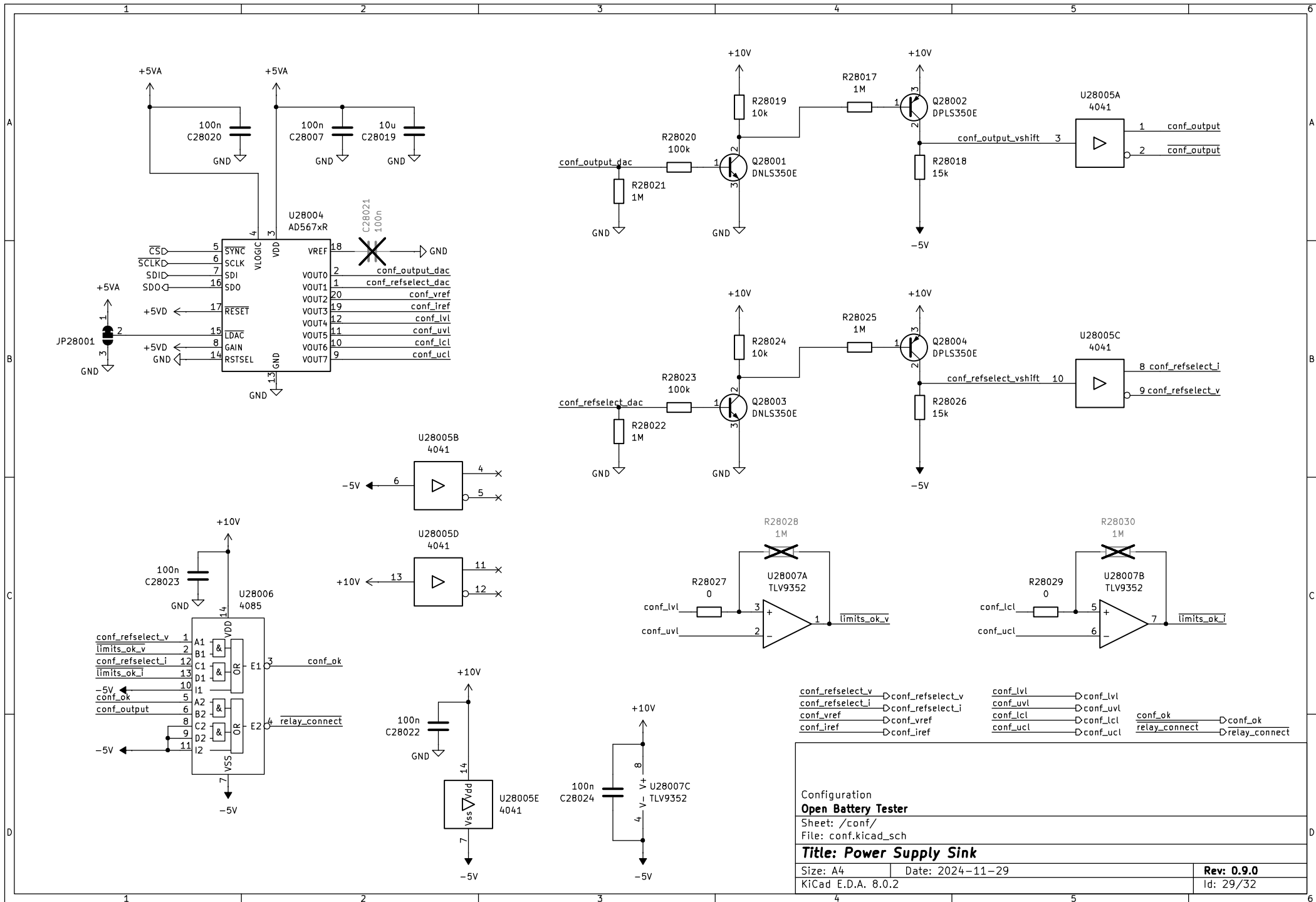
Relay
Open Battery Tester

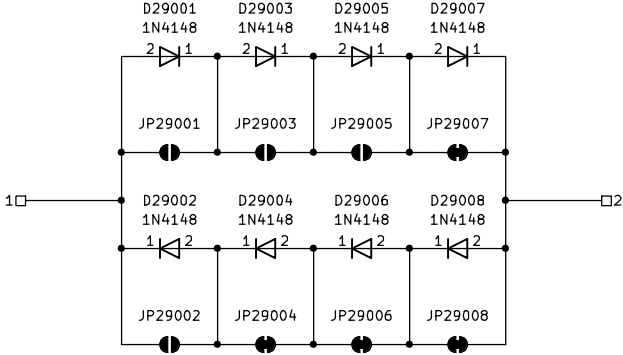
Sheet: /relay/
File: relay.kicad_sch

Title: Power Supply Sink

Size: A4	Date: 2024-11-29	Rev: 0.9.0
KiCad E.D.A. 8.0.2		Id: 27/32







Open Battery Tester

Sheet: /control-var/diode-network/
File: diode-network.kicad_sch

Title: Power Supply Sink

Size: A4	Date: 2024-11-29	Rev: 0.9.0
KiCad E.D.A. 8.0.2		Id: 29/32

