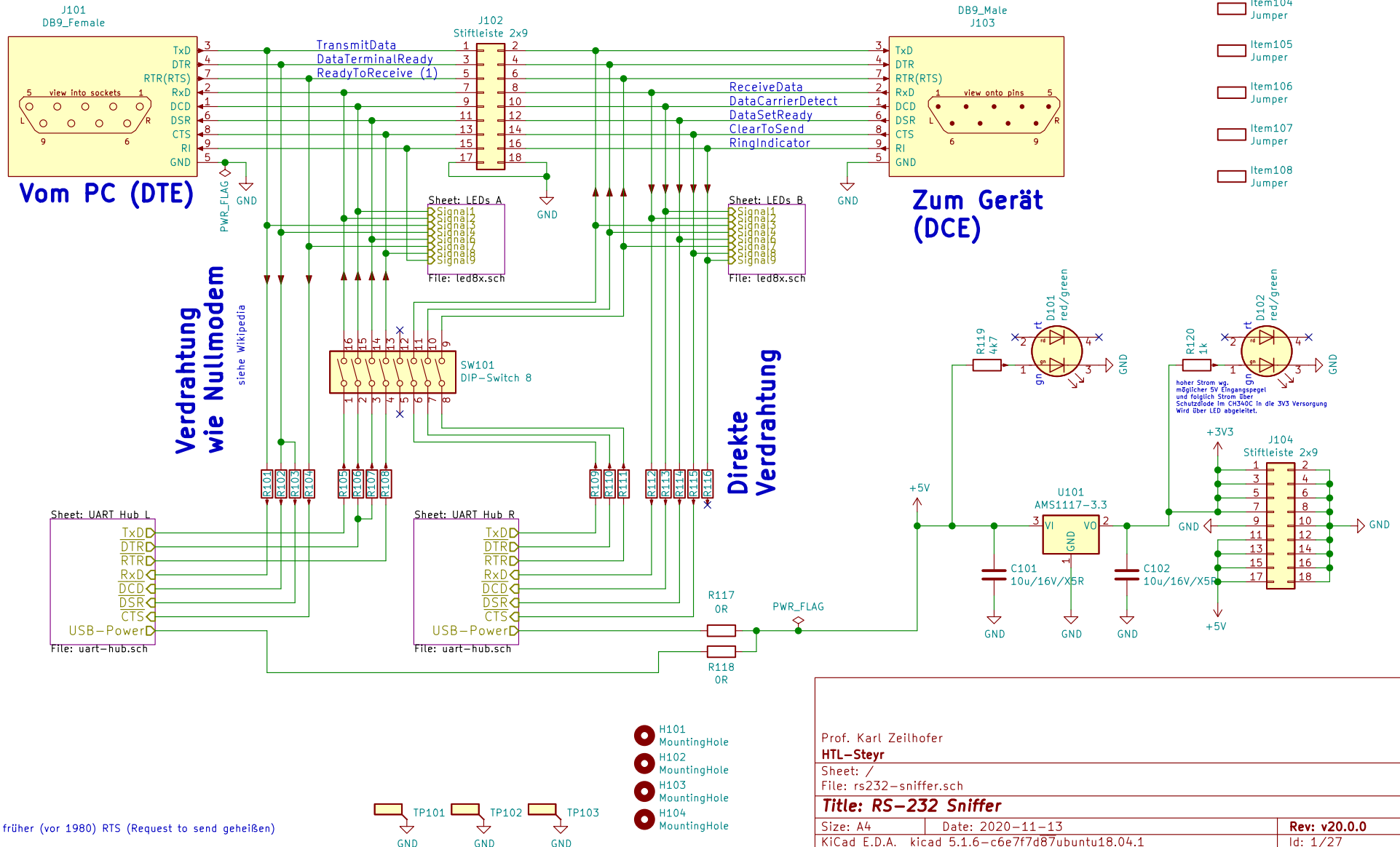


# RS232-Sniffer



(1) RTR hatte früher (vor 1980) RTS (Request to send) geheißen

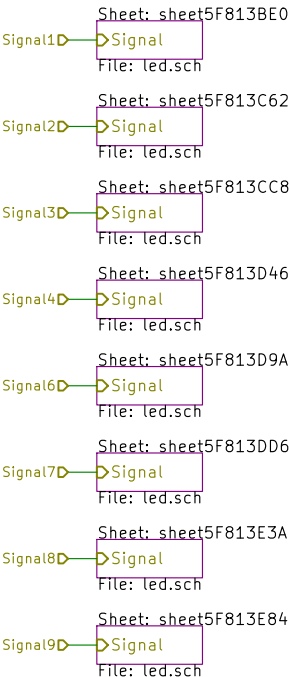
Prof. Karl Zeilhofer  
HTL-Steuer

Sheet: /  
File: rs232-sniffer.sch

**Title: RS-232 Sniffer**

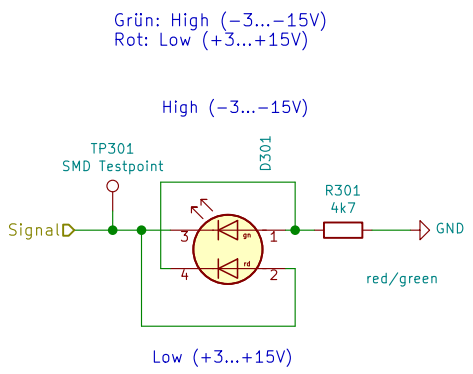
Size: A4 Date: 2020-11-13  
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

**Rev: v20.0.0**  
Id: 1/27



Sheet: /LEDs A/  
File: led8x.sch

Size: A4	Date: 2020-11-13	Rev: v20.0.0
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1		Id: 2/27



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Sheet: /LEDs A/sheet5F813BE0/

File: led.sch

**Title: RS–232 Sniffer**

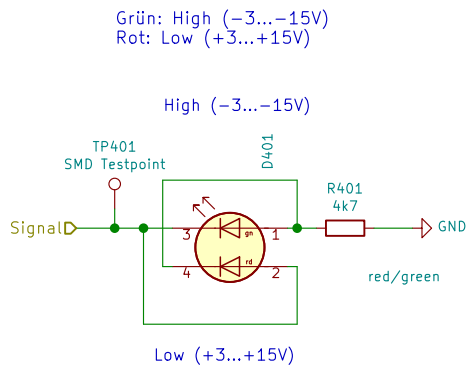
Size: A4

Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 3/27



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Sheet: /LEDs A/sheet5F813C62/

File: led.sch

**Title: RS–232 Sniffer**

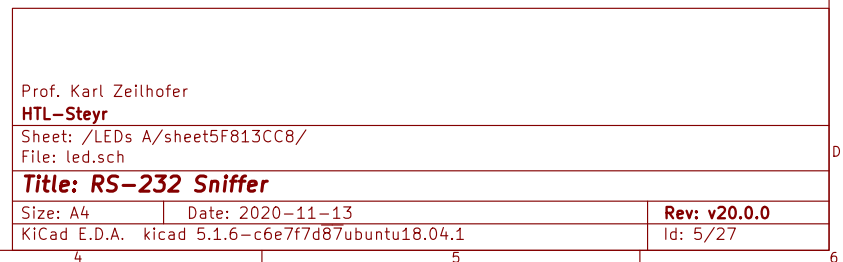
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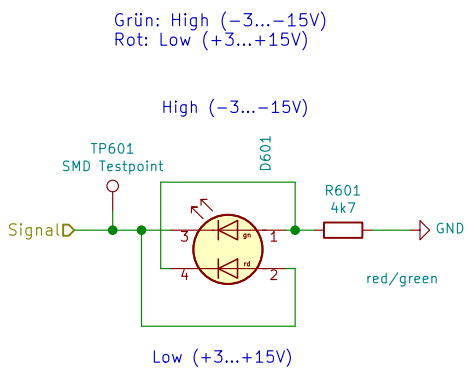
Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 4/27





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Sheet: /LEDs A/sheet5F813D46/

File: led.sch

**Title: RS–232 Sniffer**

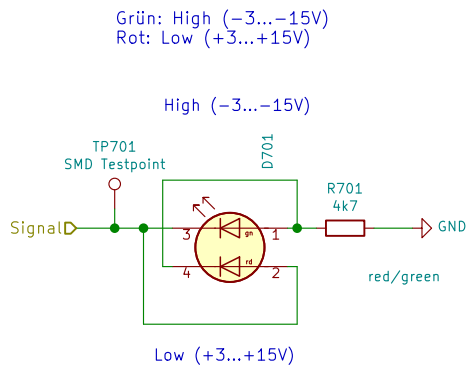
Size: A4

Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 6/27



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Sheet: /LEDs A/sheet5F813D9A/

File: led.sch

**Title: RS–232 Sniffer**

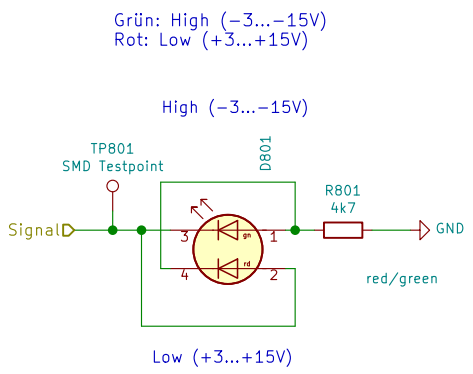
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Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 7/27



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Sheet: /LEDs A/sheet5F813DD6/

File: led.sch

**Title: RS–232 Sniffer**

Size: A4

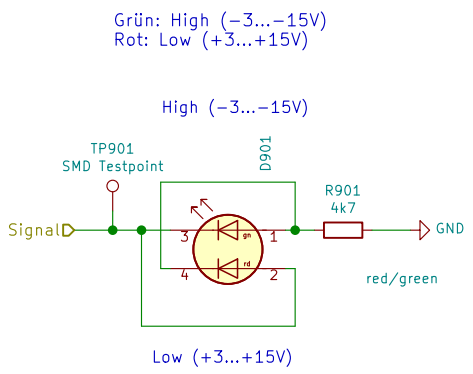
Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 8/27





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Sheet: /LEDs A/sheet5F813E3A/

File: led.sch

**Title: RS–232 Sniffer**

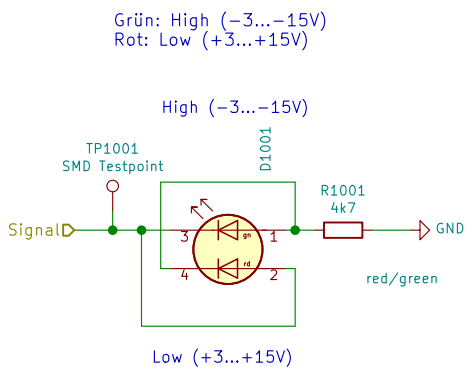
Size: A4

Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 9/27



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Sheet: /LEDs A/sheet5F813E84/

File: led.sch

**Title: RS–232 Sniffer**

Size: A4

Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 10/27

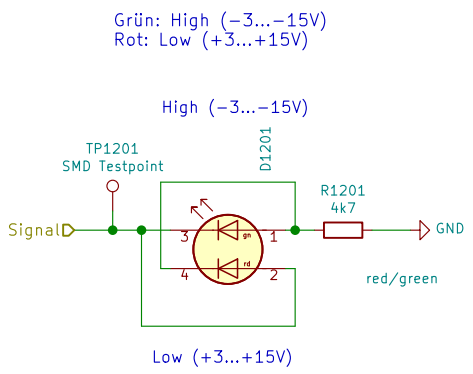
- Signal1
- Sheet: sheet5F813BE0
- Signal
- File: led.sch
- Signal2
- Sheet: sheet5F813C62
- Signal
- File: led.sch
- Signal3
- Sheet: sheet5F813CC8
- Signal
- File: led.sch
- Signal4
- Sheet: sheet5F813D46
- Signal
- File: led.sch
- Signal6
- Sheet: sheet5F813D9A
- Signal
- File: led.sch
- Signal7
- Sheet: sheet5F813DD6
- Signal
- File: led.sch
- Signal8
- Sheet: sheet5F813E3A
- Signal
- File: led.sch
- Signal9
- Sheet: sheet5F813E84
- Signal
- File: led.sch

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Sheet: /LEDs B/  
File: led8x.sch

**Title: RS–232 Sniffer**

Size: A4	Date: 2020–11–13	Rev: v20.0.0
KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1		Id: 11/27



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Sheet: /LEDs B/sheet5F813BE0/

File: led.sch

**Title: RS–232 Sniffer**

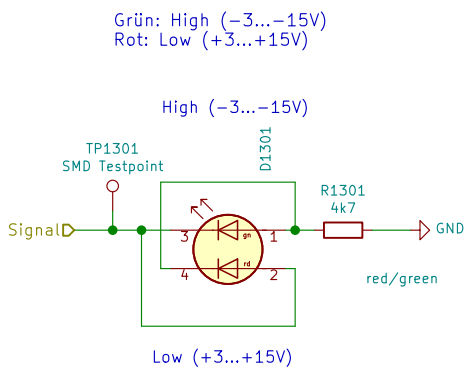
Size: A4

Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 12/27



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Sheet: /LEDs B/sheet5F813C62/

File: led.sch

**Title: RS–232 Sniffer**

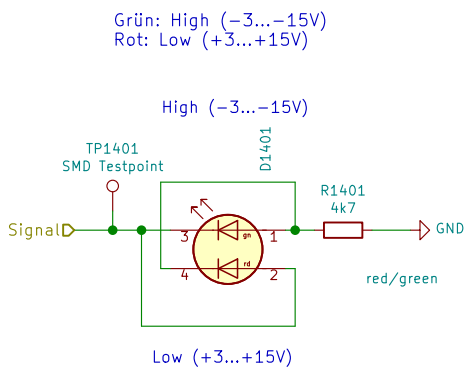
Size: A4

Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 13/27



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Sheet: /LEDs B/sheet5F813CC8/

File: led.sch

**Title: RS–232 Sniffer**

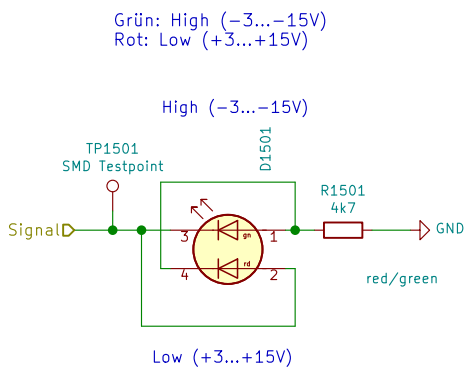
Size: A4

Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 14/27



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Sheet: /LEDs B/sheet5F813D46/

File: led.sch

**Title: RS–232 Sniffer**

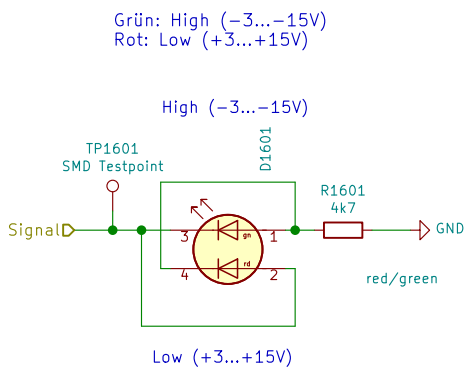
Size: A4

Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 15/27



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Sheet: /LEDs B/sheet5F813D9A/

File: led.sch

**Title: RS–232 Sniffer**

Size: A4

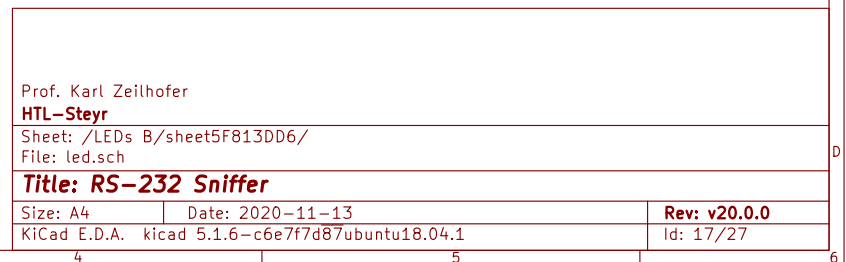
Date: 2020–11–13

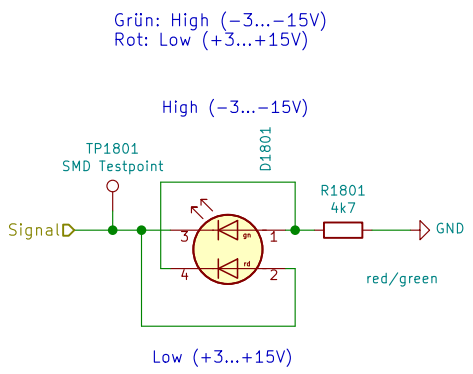
**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 16/27







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**HTL–Steyr**

Sheet: /LEDs B/sheet5F813E3A/

File: led.sch

**Title: RS–232 Sniffer**

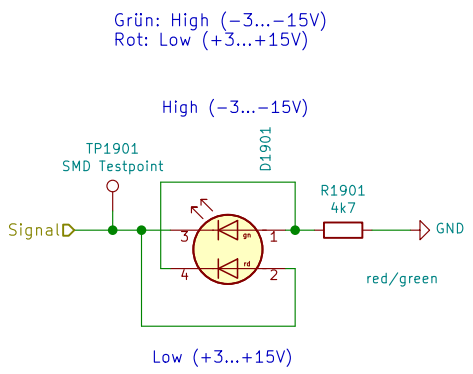
Size: A4

Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 18/27



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Sheet: /LEDs B/sheet5F813E84/

File: led.sch

**Title: RS–232 Sniffer**

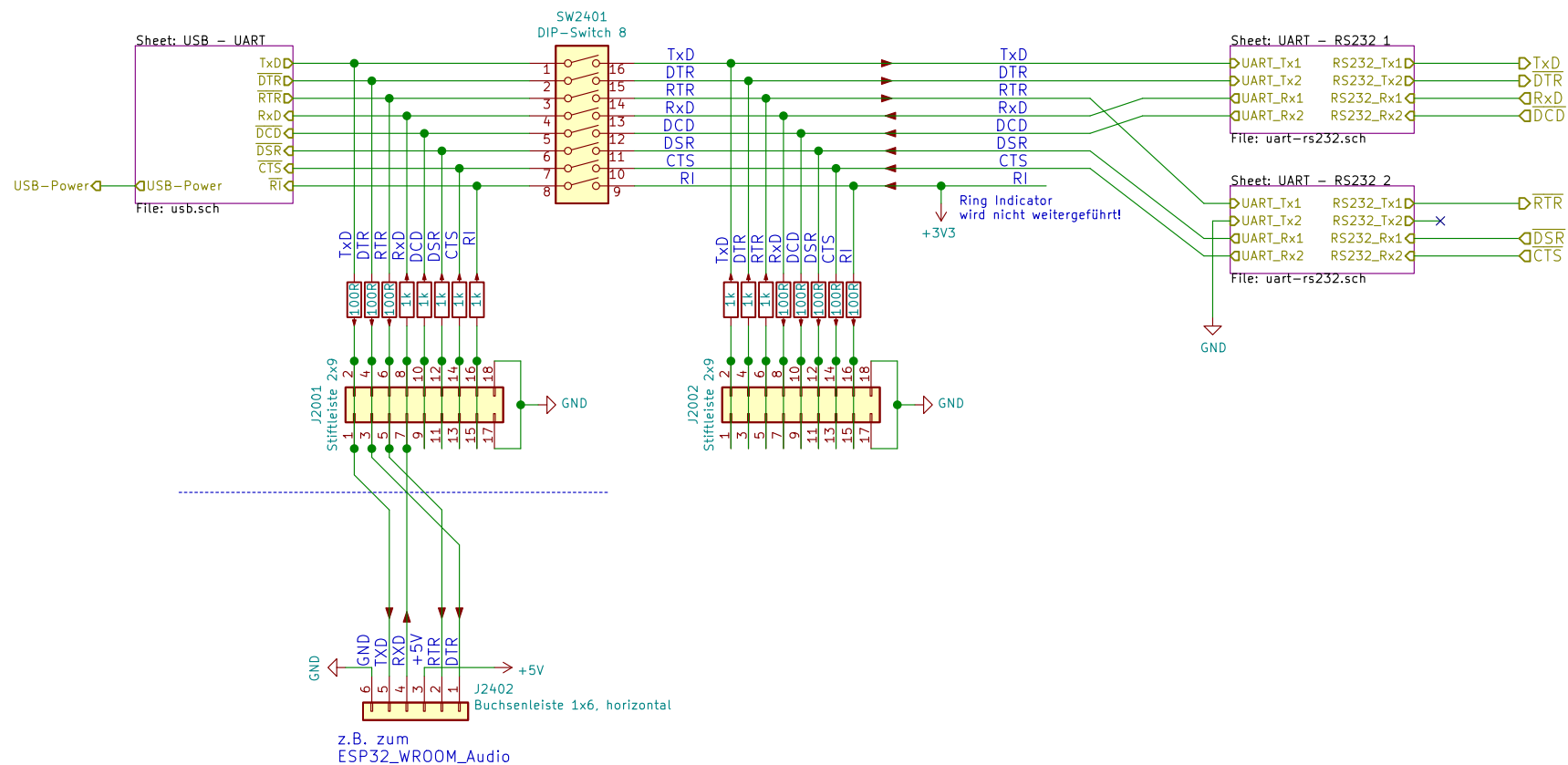
Size: A4

Date: 2020–11–13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6–c6e7f7d87ubuntu18.04.1

Id: 19/27



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HTL-Steuer

Sheet: /UART Hub R/

File: uart-hub.sch

**Title: RS-232 Sniffer**

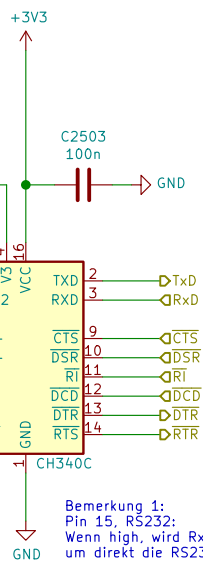
Size: A4

Date: 2020-11-13

Rev: v20.0.0

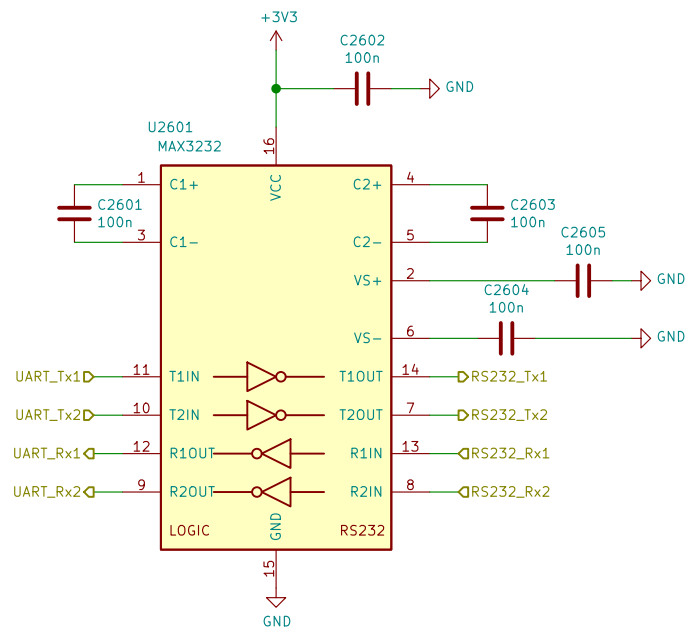
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

Id: 20/27



Bemerkung 1:  
Pin 15, RS232:  
Wenn high, wird RxD invertiert,  
um direkt die RS232-Leitungen zu kontaktieren.

Id: 21/27



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Sheet: /UART Hub R/UART - RS232 1/

File: uart-rs232.sch

**Title: RS-232 Sniffer**

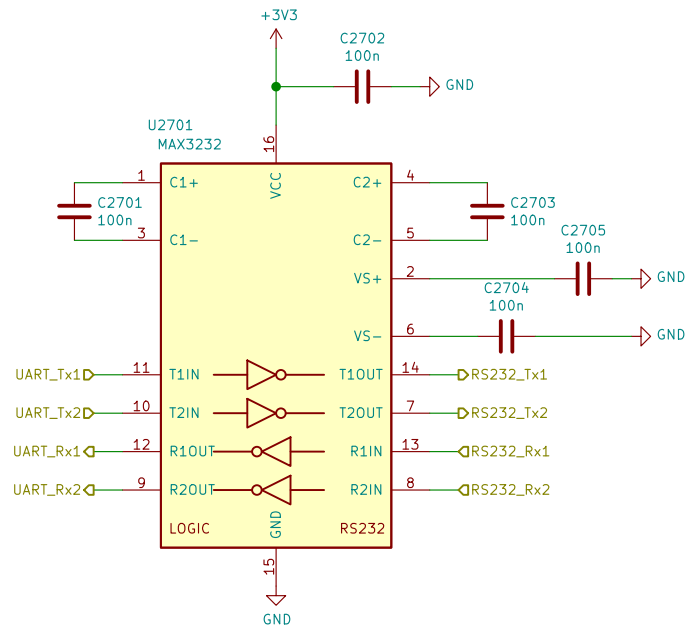
Size: A4

Date: 2020-11-13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

Id: 22/27



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**HTL-Steir**

Sheet: /UART Hub R/UART - RS232 2/

File: uart-rs232.sch

**Title: RS-232 Sniffer**

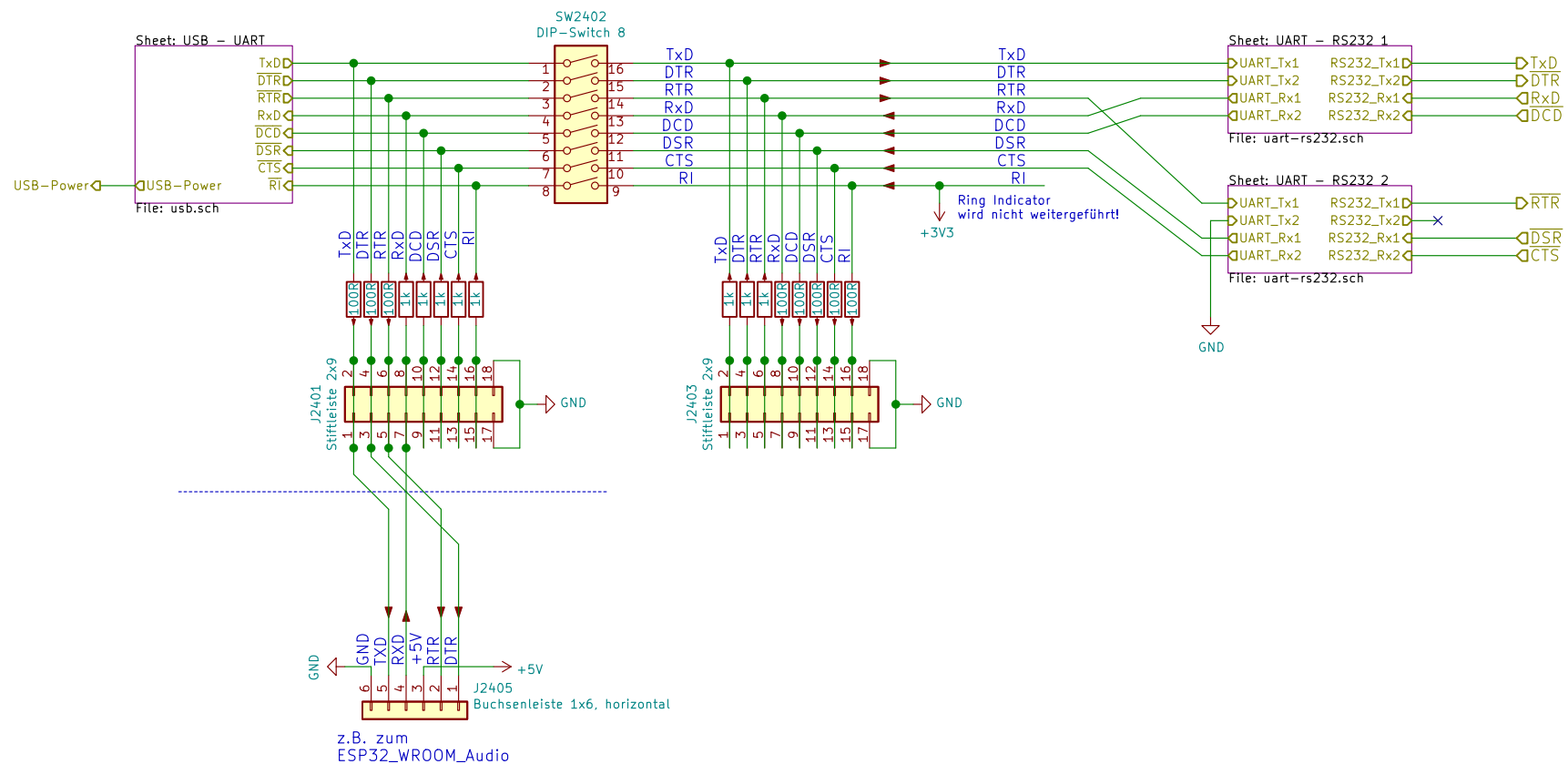
Size: A4

Date: 2020-11-13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

Id: 23/27



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HTL-Steuer

Sheet: /UART Hub L/

File: uart-hub.sch

**Title: RS-232 Sniffer**

Size: A4

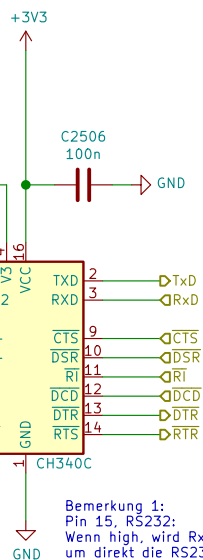
Date: 2020-11-13

Rev: v20.0.0

KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

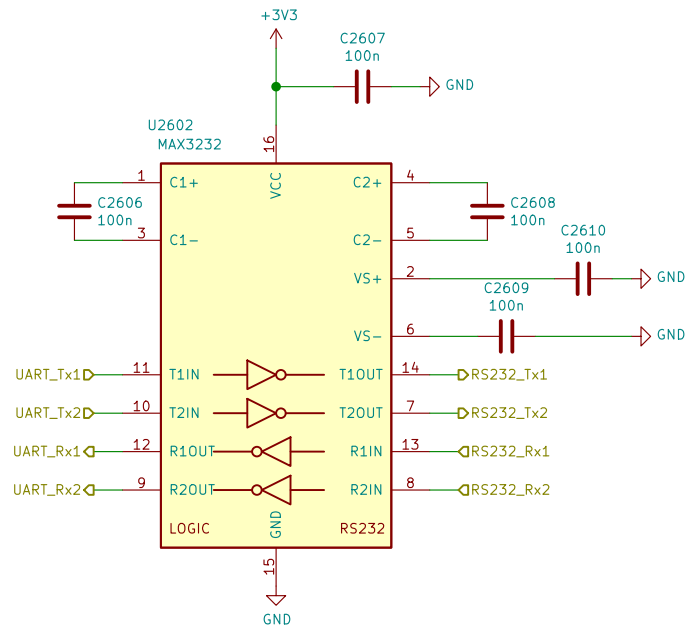
Id: 24/27





Bemerkung 1:  
Pin 15, RS232:  
Wenn high, wird RxD invertiert,  
um direkt die RS232-Leitungen zu kontaktieren.

Rev: v20.0.0  
Id: 25/27



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**HTL-Steier**

Sheet: /UART Hub L/UART - RS232 1/

File: uart-rs232.sch

**Title: RS-232 Sniffer**

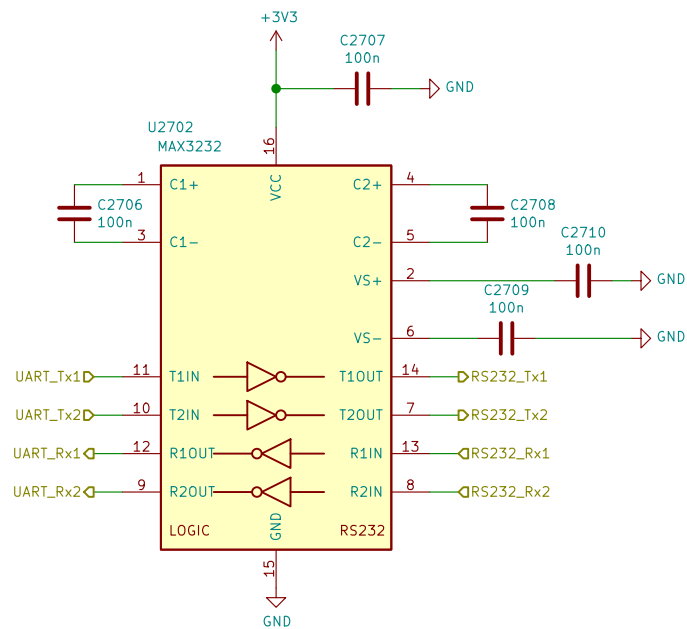
Size: A4

Date: 2020-11-13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

Id: 26/27



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Sheet: /UART Hub L/UART - RS232 2/

File: uart-rs232.sch

**Title: RS-232 Sniffer**

Size: A4

Date: 2020-11-13

**Rev: v20.0.0**

KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

Id: 27/27