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Author: Nikolai Zoller

Company: ElektroNik Zoller

Sheet: Root

File: ESP-Wordclock.kicad_sch

Title: Wordclock – Top

Size: A4

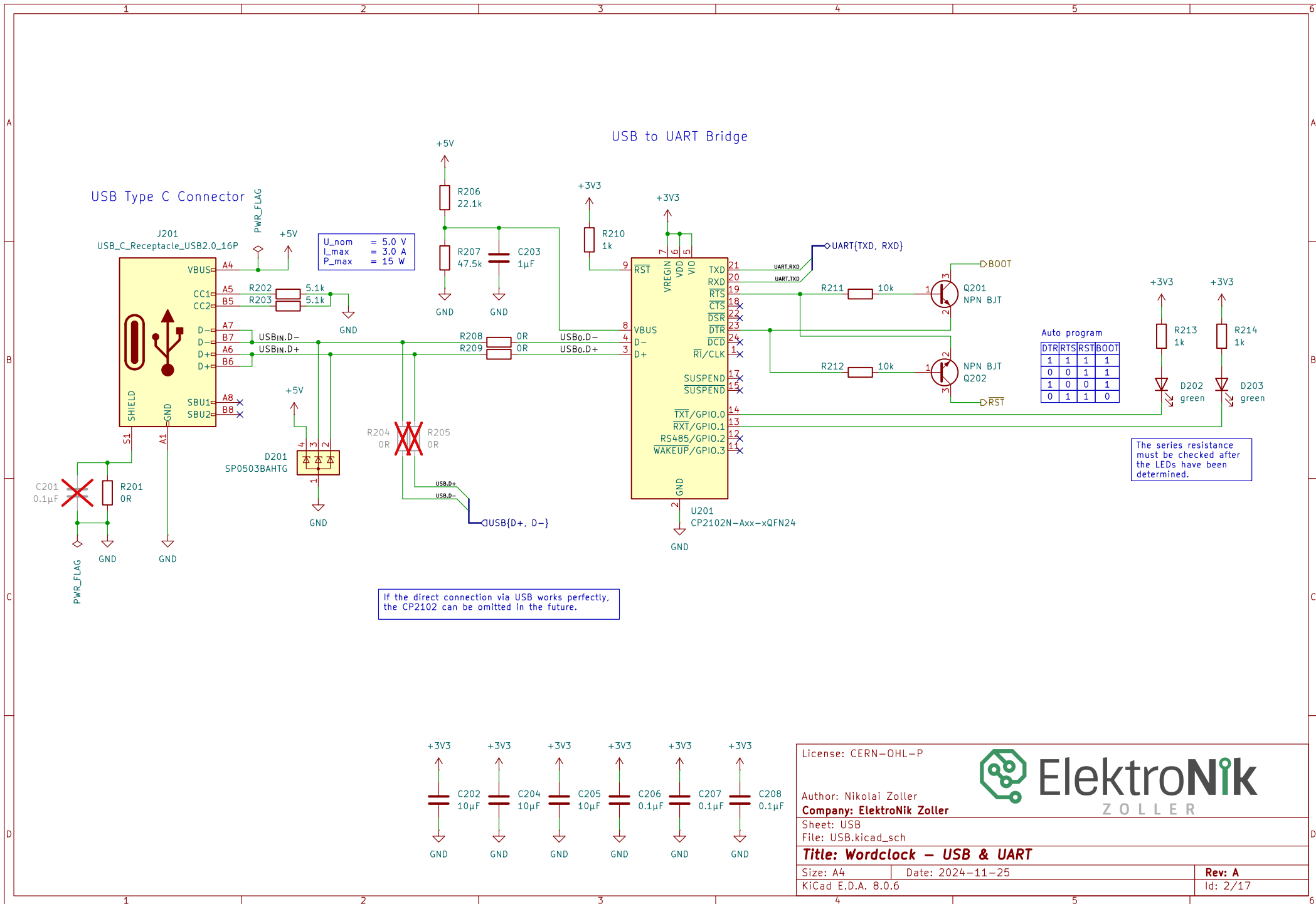
Date: 2024-11-25

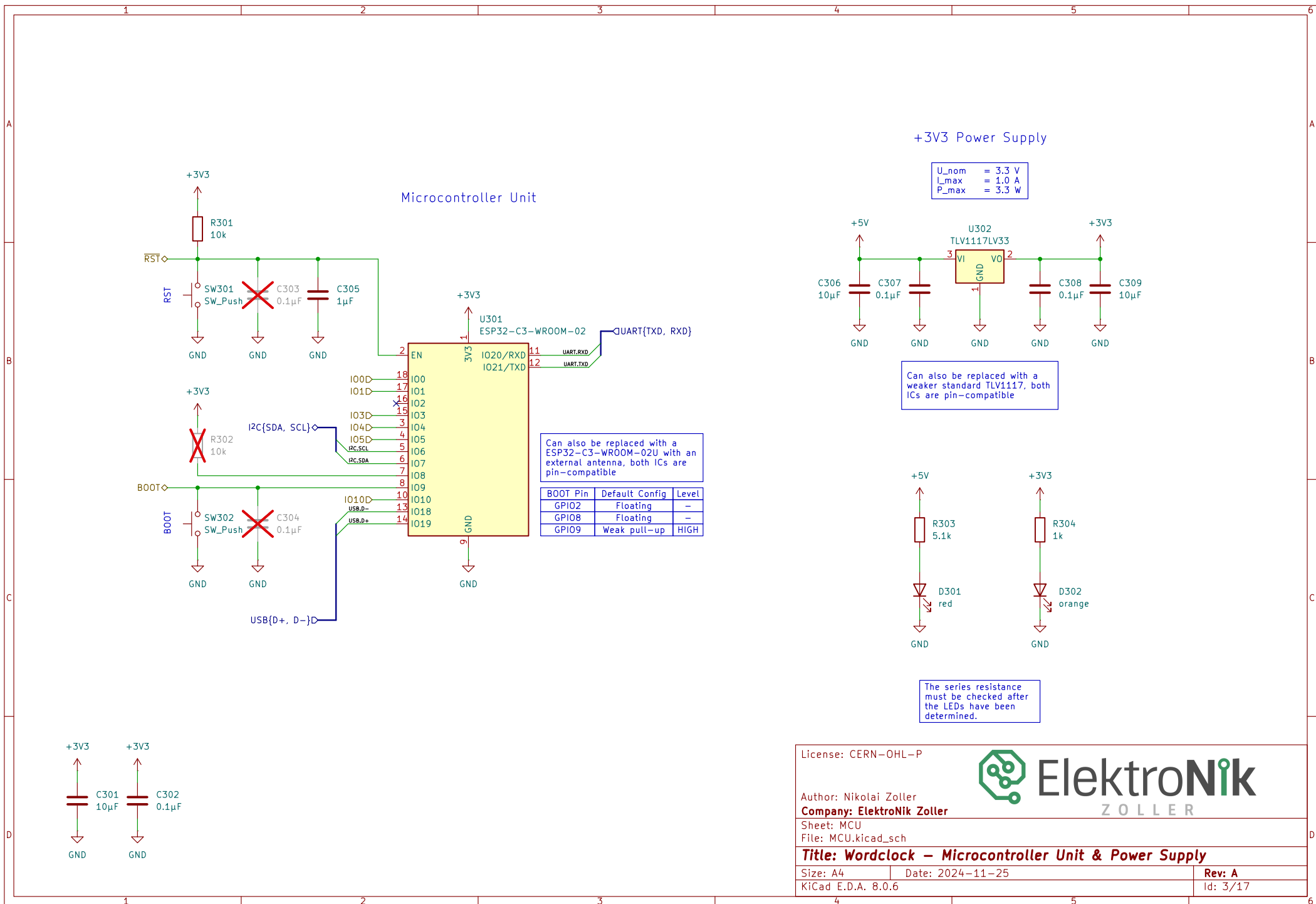
Rev: A

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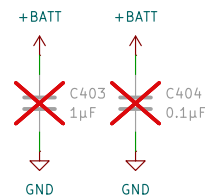
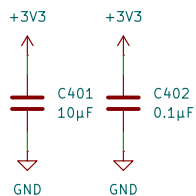
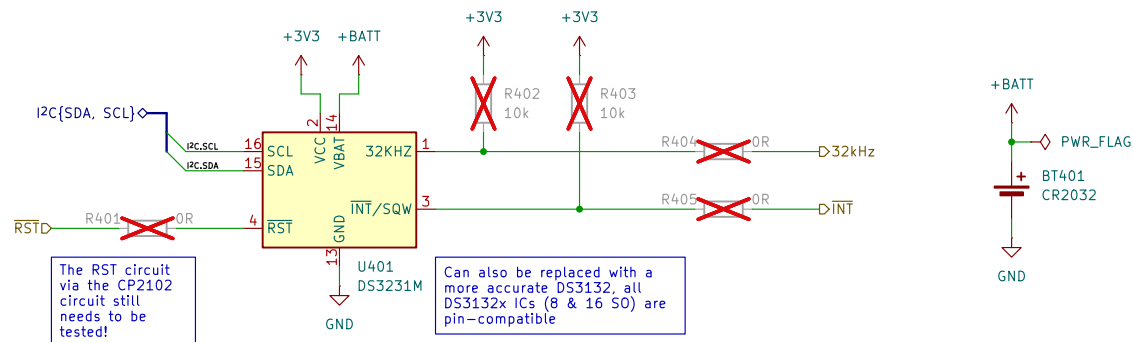
Id: 1/17







Real Time Clock



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Author: Nikolai Zoller

Company: ElektroNik Zoller

Sheet: RTC

File: RTC.kicad_sch

Title: Wordclock – Real Time Clock

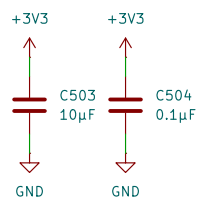
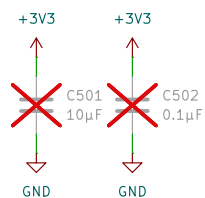
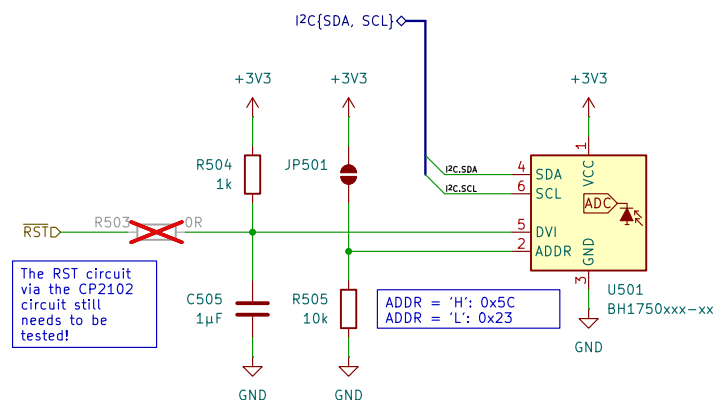
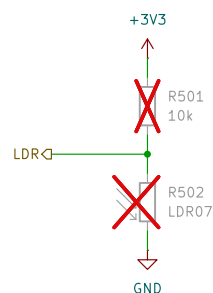
Size: A4

Date: 2024-11-25

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Id: 4/17



Only one brightness sensor can be used, which is why only one should be populated. The LDR has been added for legacy support.

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Author: Nikolai Zoller

Company: ElektroNik Zoller

Sheet: Brightness Sensor

File: BrightnessSensor.kicad_sch

Title: Wordclock – Brightness Sensor

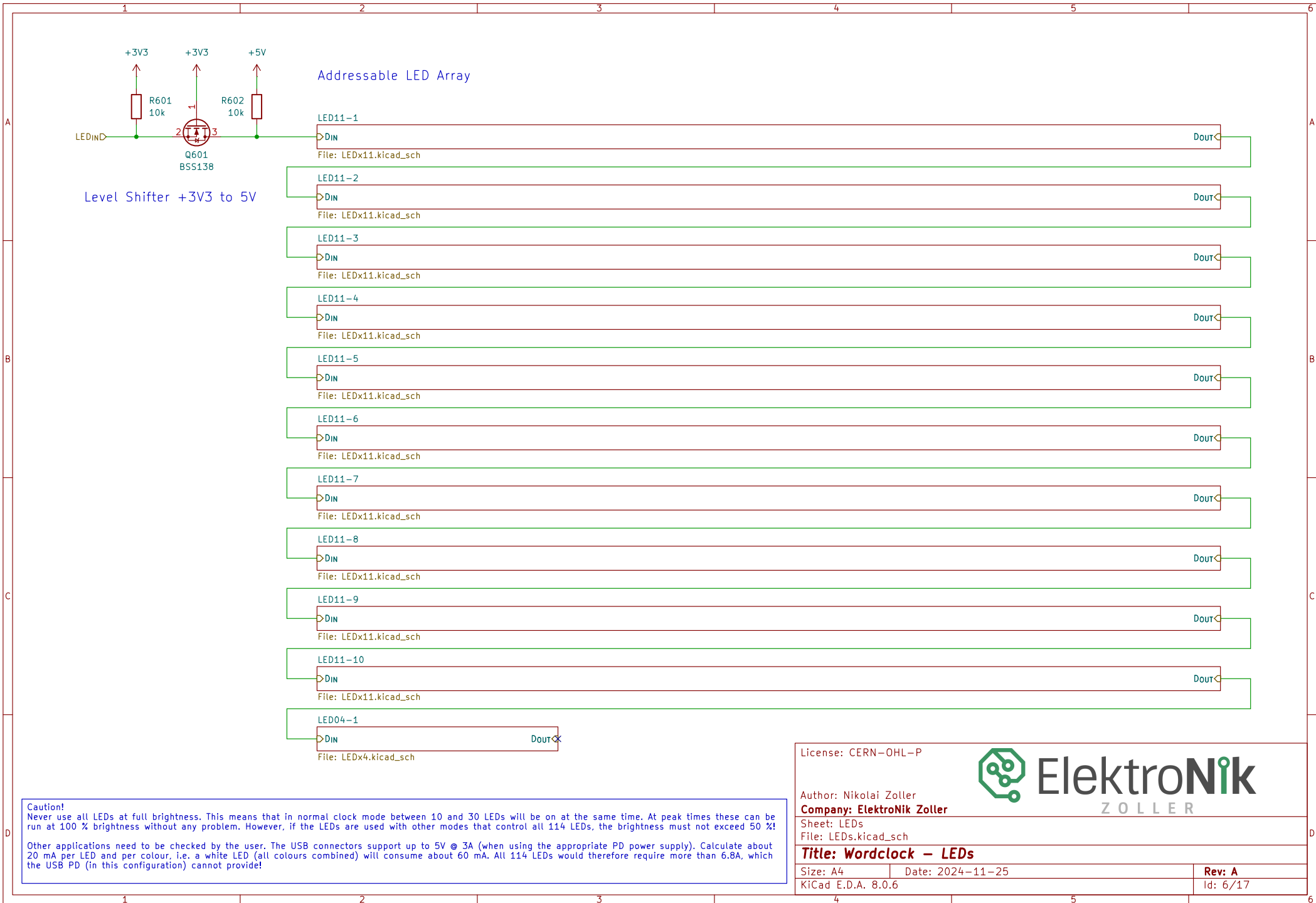
Size: A4

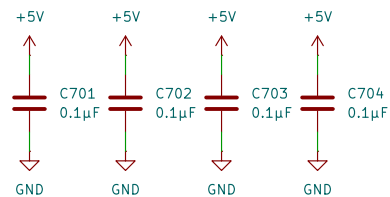
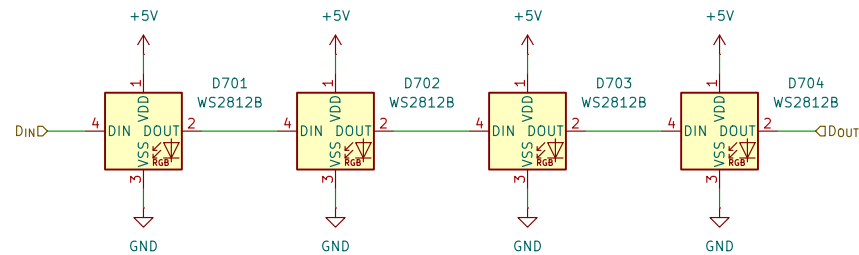
Date: 2024-11-25

Rev: A

Size: A4
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Id: 5/17





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ElektroNik
ZOLLER

Author: Nikolai Zoller

Company: **ElektroNik Zoller**

Sheet: LED04-1

File: LEDx4.kicad_sch

Title: Wordclock – LED Row with 4 pcs.

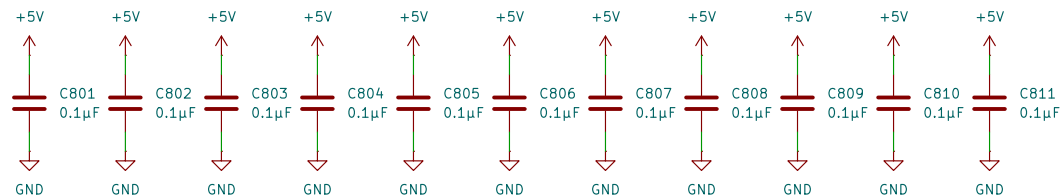
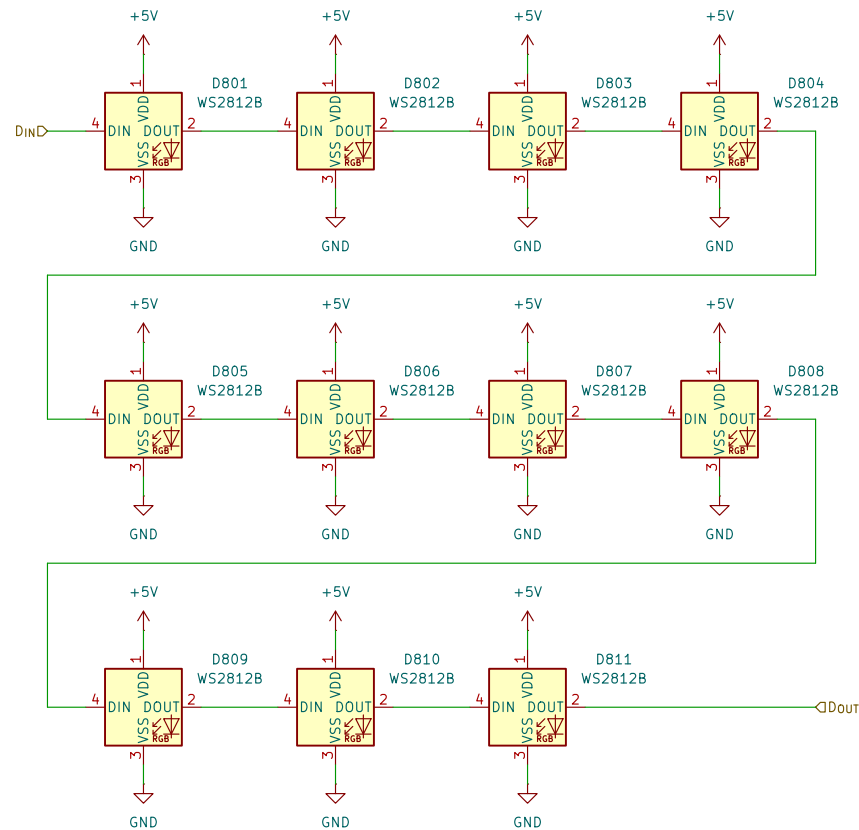
Size: A4

Date: 2024-11-25

Rev: **A**

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Id: 7/17



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Author: Nikolai Zoller
Company: ElektroNik Zoller

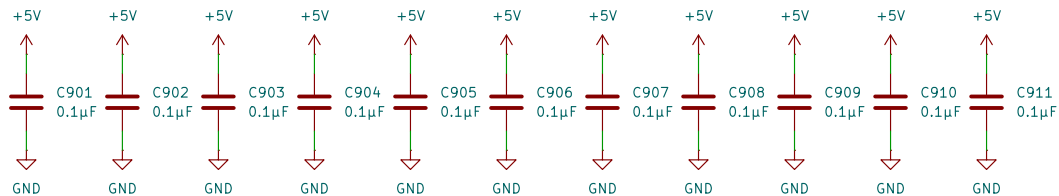
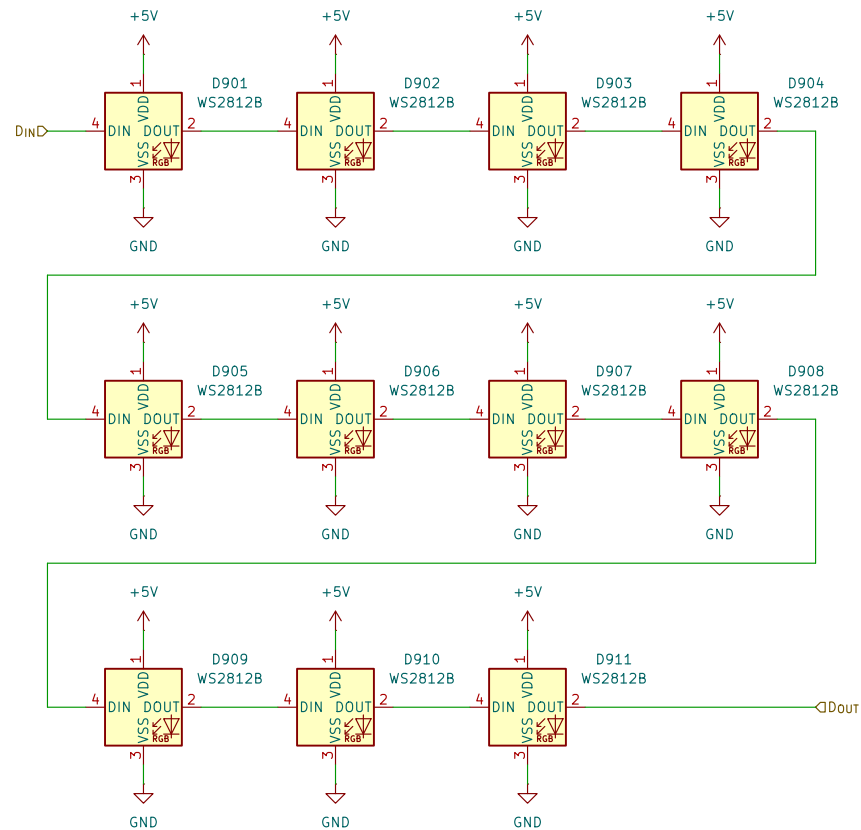
Sheet: LED11-1
File: LEDx11.kicad_sch

Title: Wordclock – LED Row with 11 pcs.

Size: A4
KiCad E.D.A. 8.0.6

Date: 2024-11-25

Rev: A
Id: 8/17



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ElektroNik
ZOLLER

Author: Nikolai Zoller

Company: ElektroNik Zoller

Sheet: LED11-2

File: LEDx11.kicad_sch

Title: Wordclock – LED Row with 11 pcs.

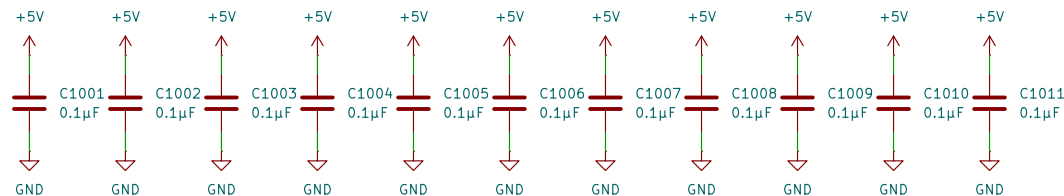
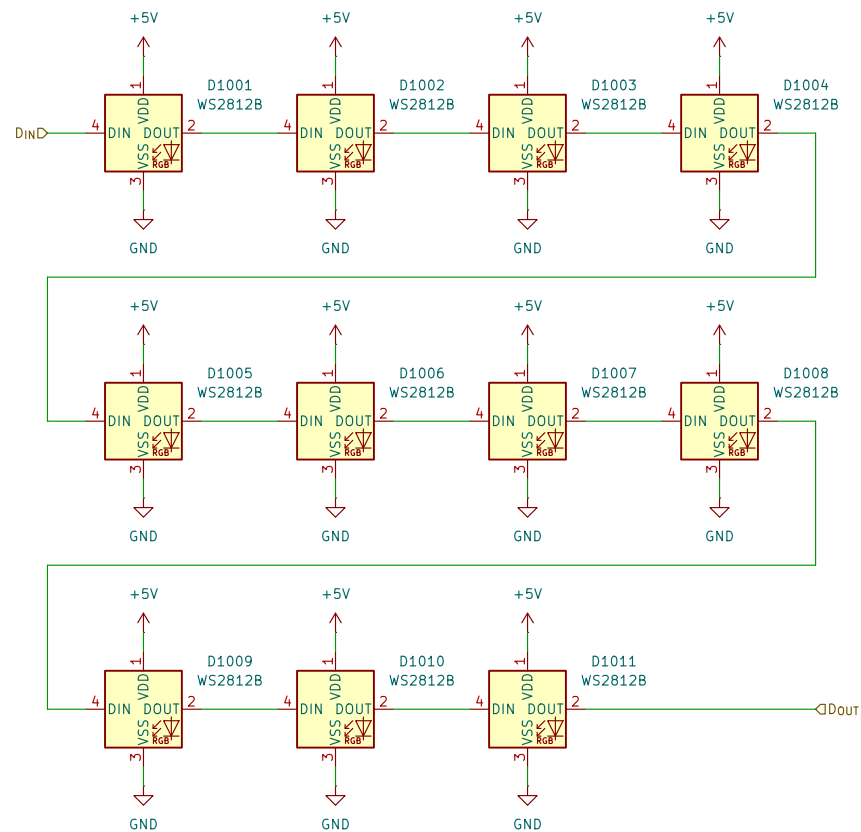
Size: A4

Date: 2024-11-25

Rev: A

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Id: 9/17



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ElektroNik
ZOLLER

Author: Nikolai Zoller

Company: ElektroNik Zoller

Sheet: LED11-3

File: LEDx11.kicad_sch

Title: Wordclock – LED Row with 11 pcs.

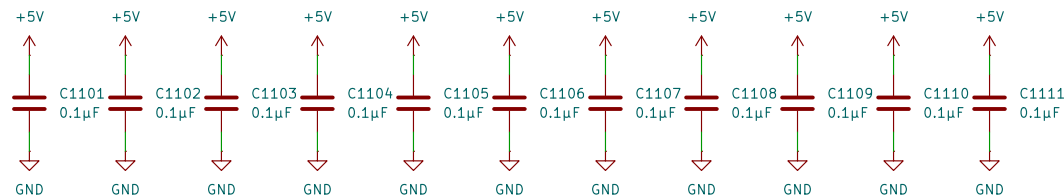
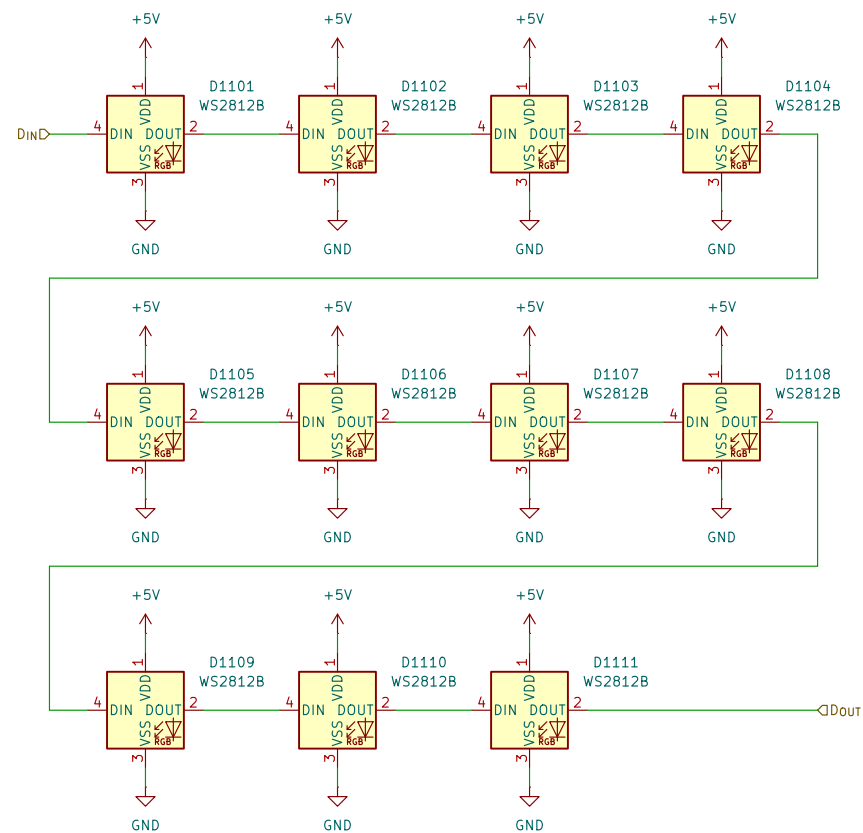
Size: A4

Date: 2024-11-25

Rev: A

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Id: 10/17



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Author: Nikolai Zoller
Company: ElektroNik Zoller

Sheet: LED11-4
File: LEDx11.kicad_sch

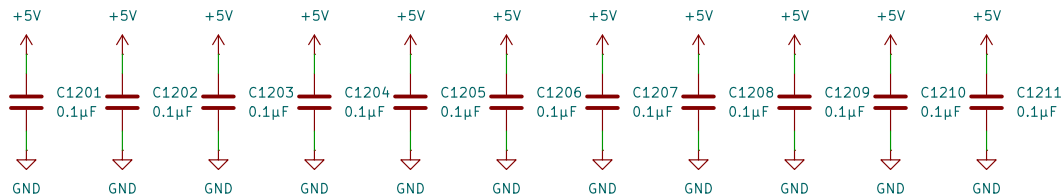
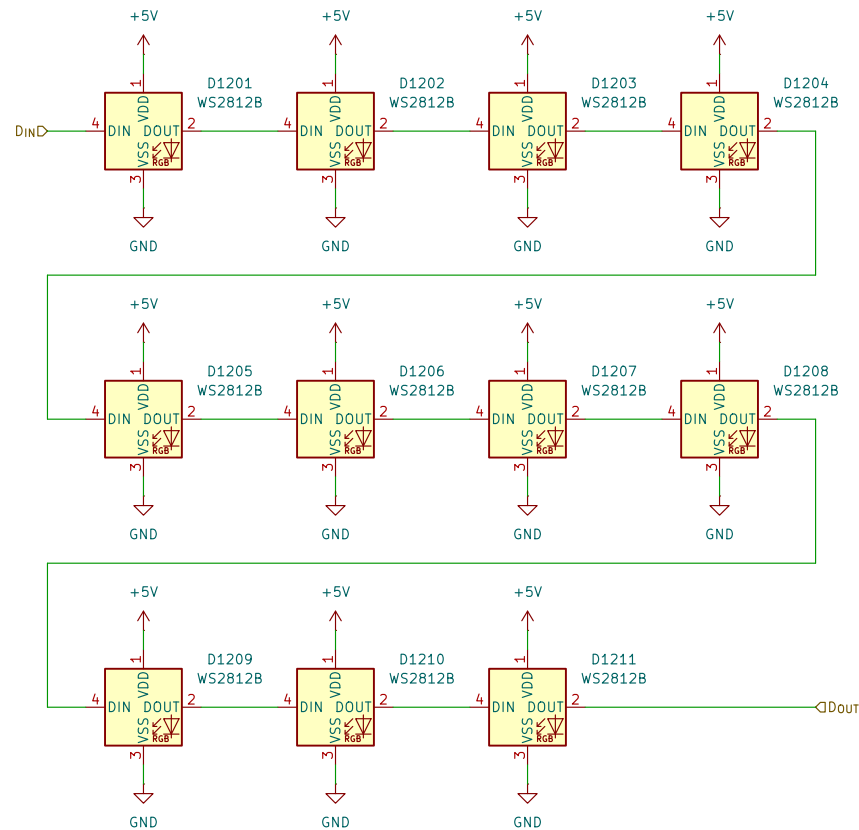
Title: Wordclock – LED Row with 11 pcs.

Size: A4 Date: 2024-11-25

Rev: A

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Id: 11/17



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Author: Nikolai Zoller
Company: ElektroNik Zoller

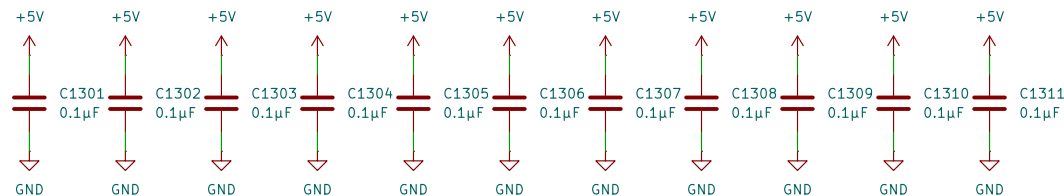
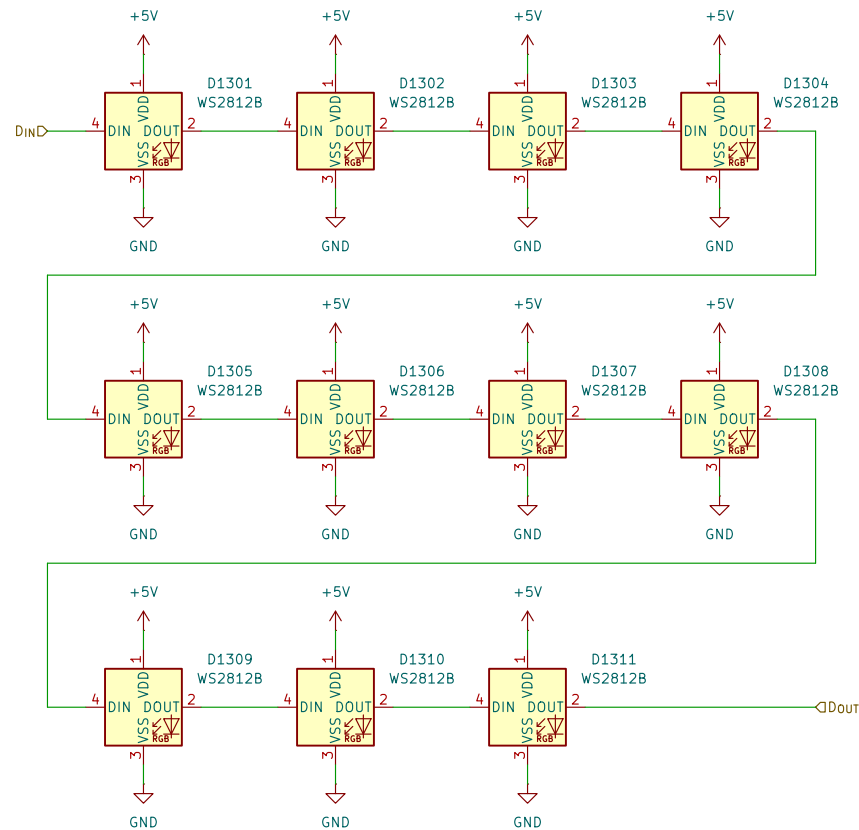
Sheet: LED11-5
File: LEDx11.kicad_sch

Title: Wordclock – LED Row with 11 pcs.

Size: A4
KiCad E.D.A. 8.0.6

Date: 2024-11-25

Rev: A
Id: 12/17



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Author: Nikolai Zoller

Company: ElektroNik Zoller

Sheet: LED11-6

File: LEDx11.kicad_sch

Title: Wordclock – LED Row with 11 pcs.

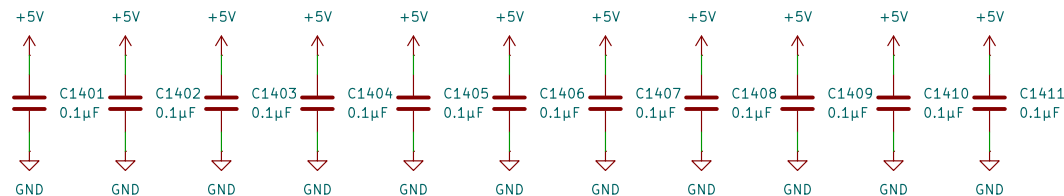
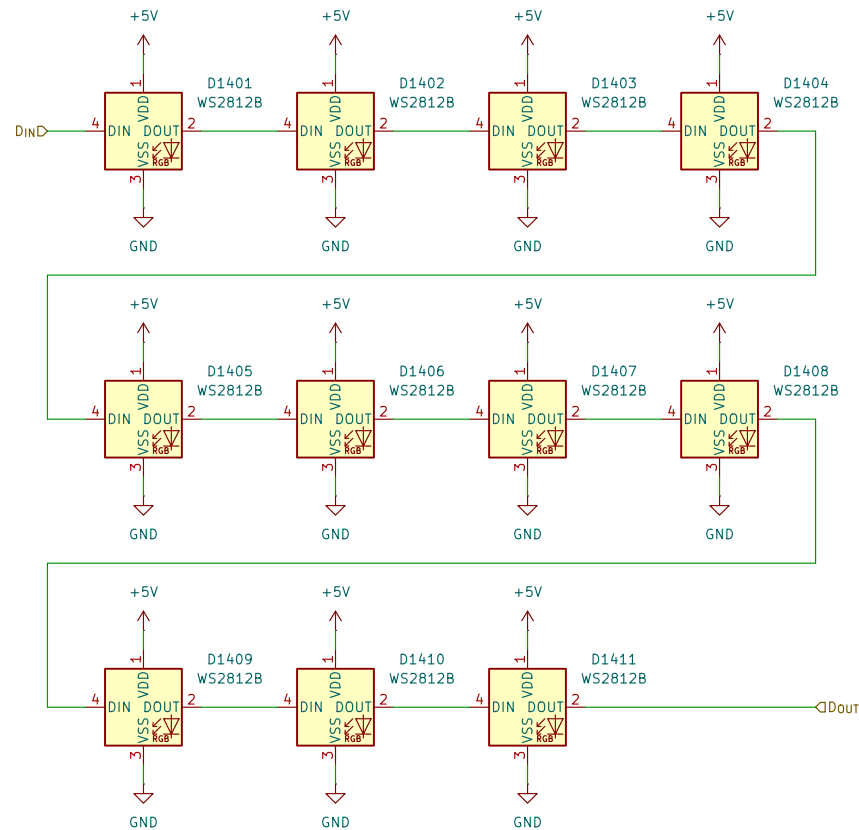
Size: A4

Date: 2024-11-25

Rev: A

KiCad E.D.A. 8.0.6

Id: 13/17



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Author: Nikolai Zoller
Company: ElektroNik Zoller

Sheet: LED11-7
File: LEDx11.kicad_sch

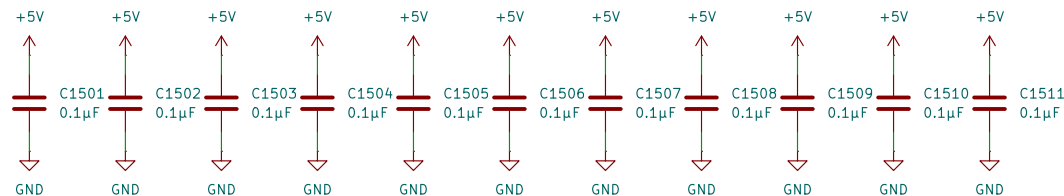
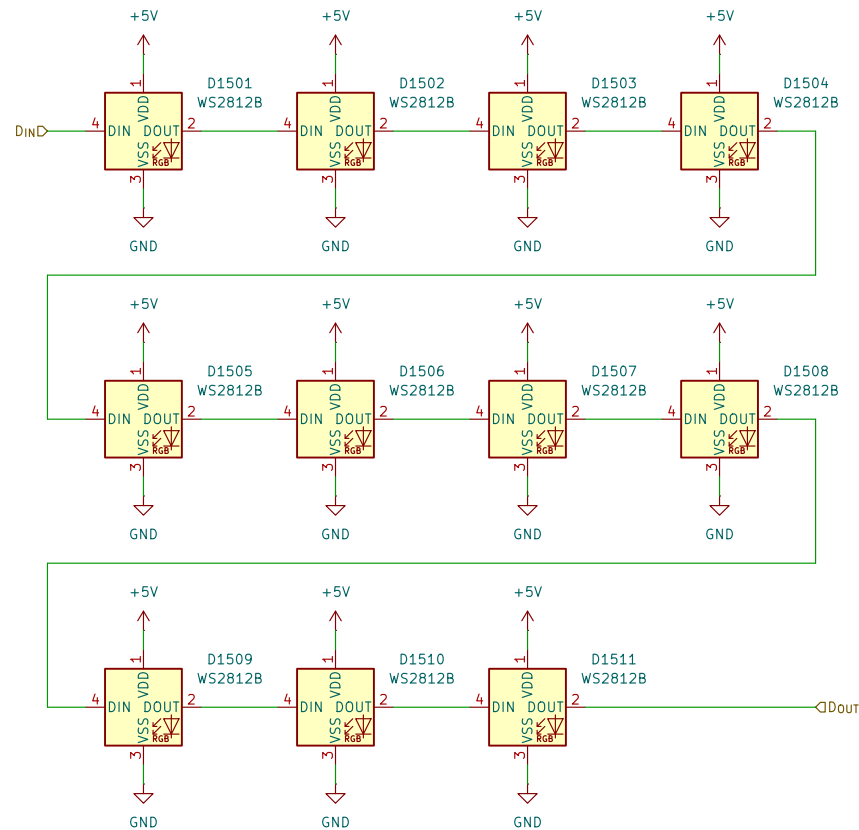
Title: Wordclock – LED Row with 11 pcs.

Size: A4
KiCad E.D.A. 8.0.6

Date: 2024-11-25

Rev: A

Id: 14/17



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Author: Nikolai Zoller
Company: ElektroNik Zoller

Sheet: LED11-8
File: LEDx11.kicad_sch

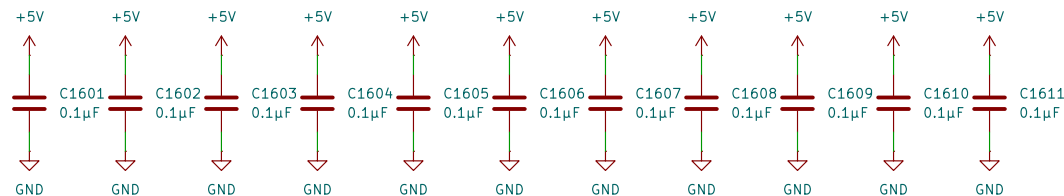
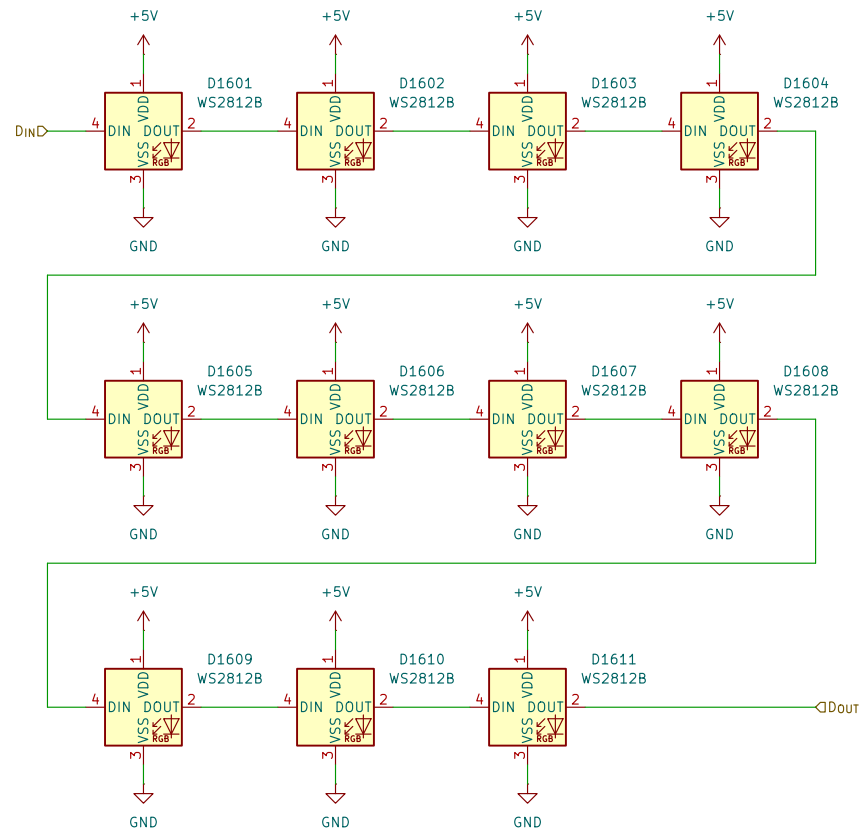
Title: Wordclock – LED Row with 11 pcs.

Size: A4 Date: 2024-11-25

KiCad E.D.A. 8.0.6

Rev: A

Id: 15/17



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Author: Nikolai Zoller
Company: ElektroNik Zoller

Sheet: LED11-9
File: LEDx11.kicad_sch

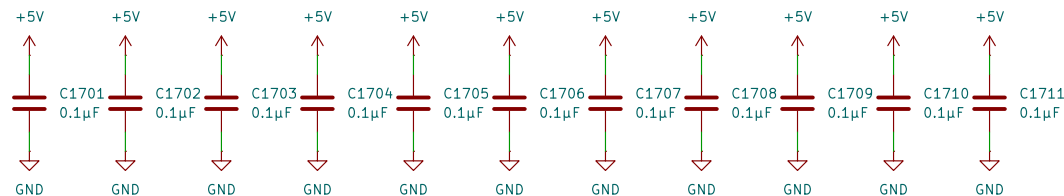
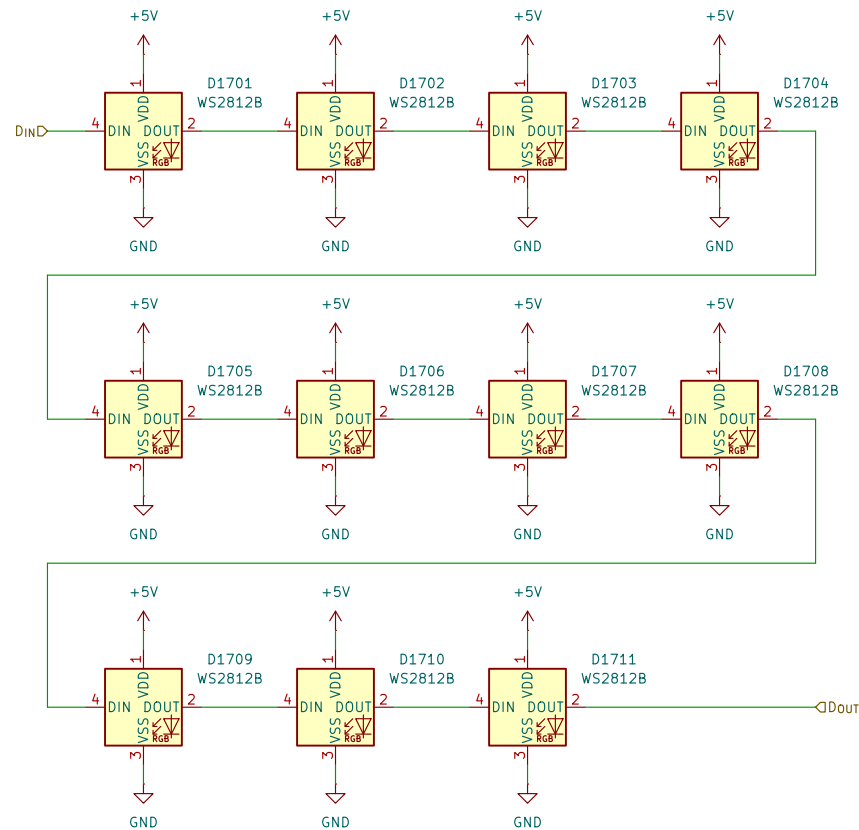
Title: Wordclock – LED Row with 11 pcs.

Size: A4 Date: 2024-11-25

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Rev: A

Id: 16/17



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Author: Nikolai Zoller
Company: ElektroNik Zoller

Sheet: LED11-10
File: LEDx11.kicad_sch

Title: Wordclock – LED Row with 11 pcs.

Size: A4
KiCad E.D.A. 8.0.6

Date: 2024-11-25

Rev: A
Id: 17/17