

A

B

C

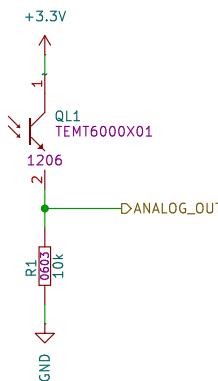
D

A

B

C

D



Project Name: LED Calendar (ESP8266 based)

Sheet Name: AMBIENT_LIGHT_SENS

Sheet Path: /AMBIENT_LIGHT_SENS/

File Name: PCB_LED_CALENDAR_AMBIENT_LIGHT_SENS.kicad_sch

Size: A4	Date: 2025-08-08	Rev: 1
Designed By: Andrzej Laczewski	Website: www.bytechlab.com	Id: 13/20

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A

A

B

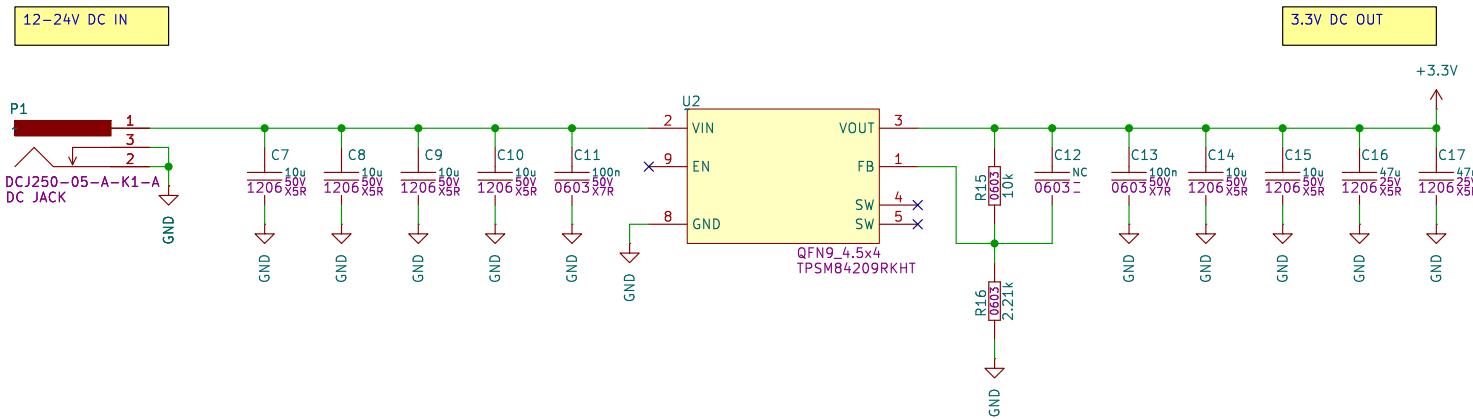
B

C

C

D

D



Project Name: LED Calendar (ESP8266 based)

Sheet Name: POWER

Sheet Path: /POWER/

File Name: PCB_LED_CALENDAR__POWER.kicad_sch

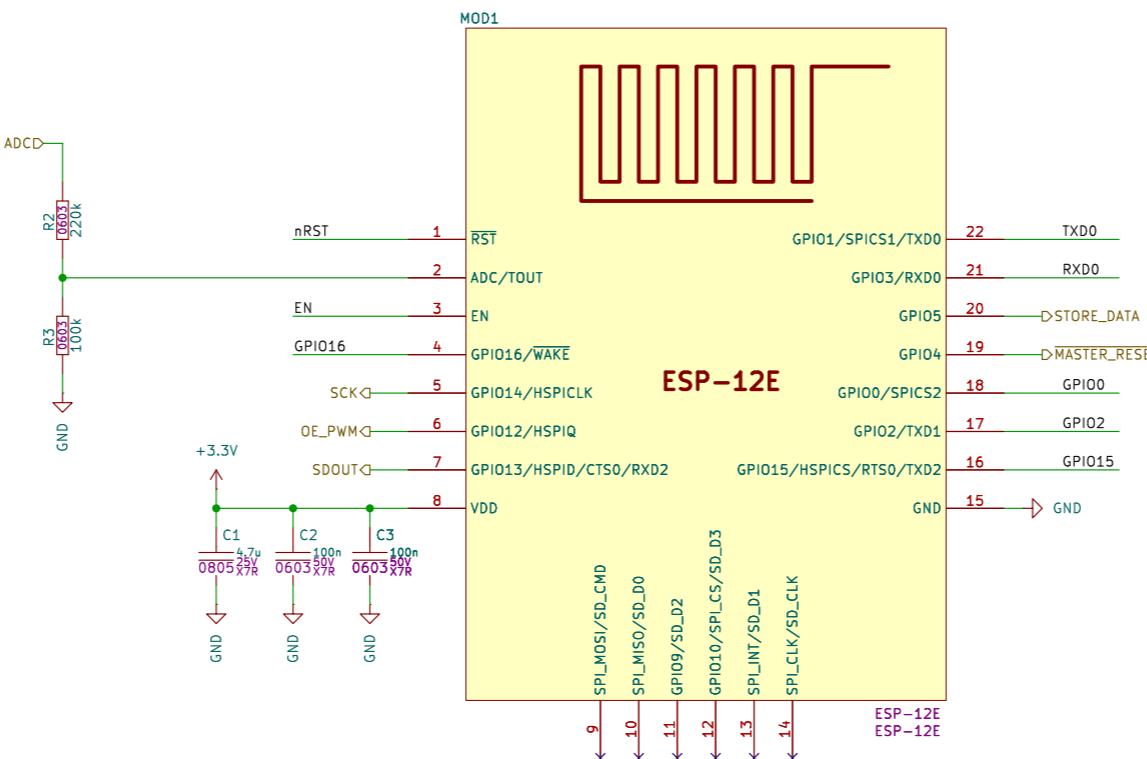
Size: A4 Date: 2025-08-08 Rev: 1

Designed By: Andrzej Laczewski Website: www.bytechlab.com Id: 15/20

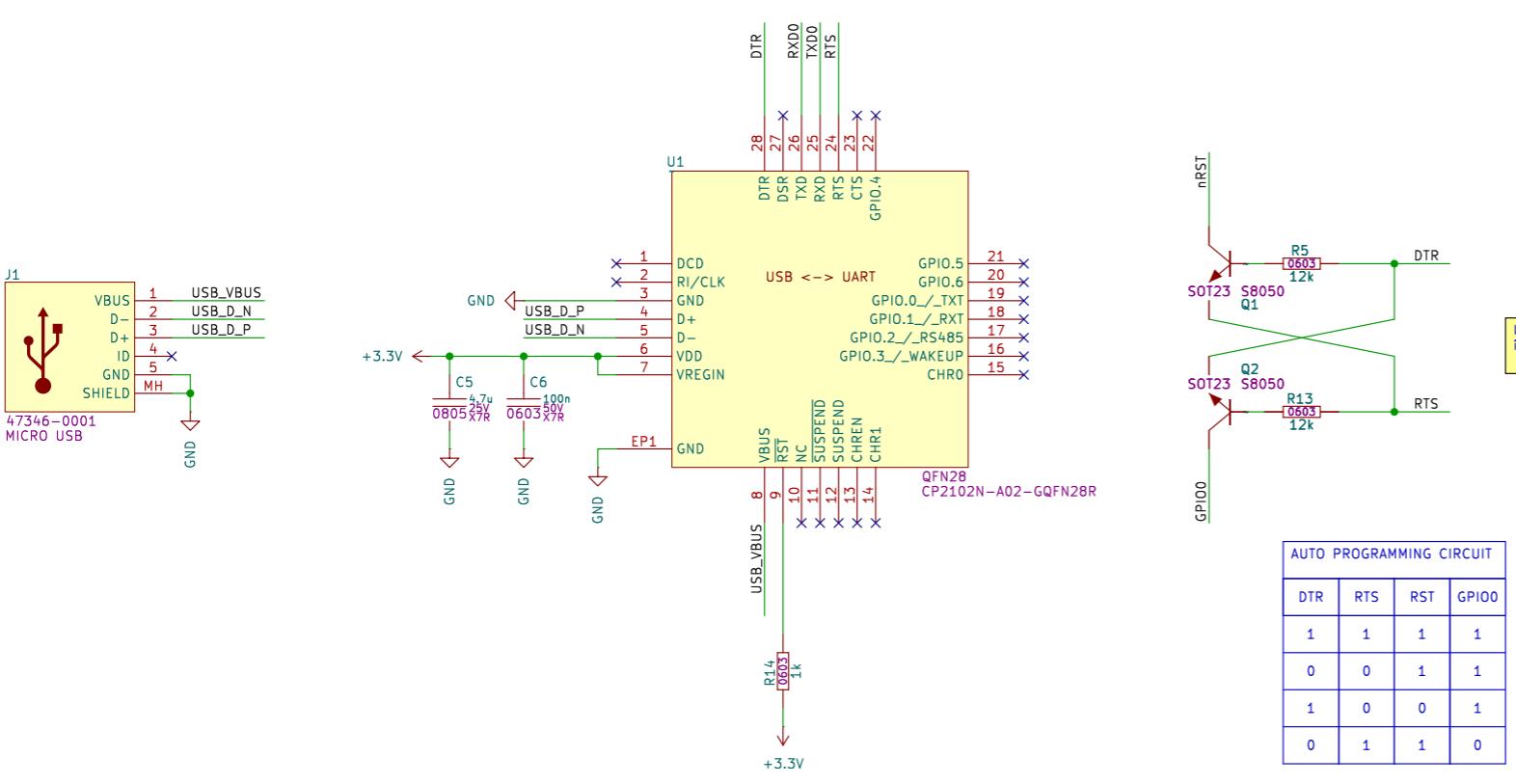
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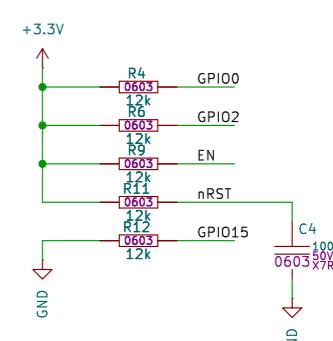
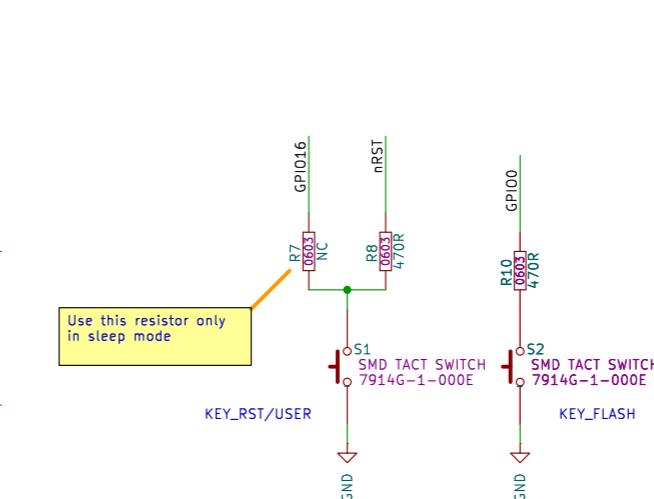
ESP-12E MODULE



ESP PROGRAMMING



On every boot/reset/wakeup,
GPIO15 MUST keep LOW, GPIO2 MUST keep HIGH.
GPIO0 HIGH -> RUN MODE, LOW -> FLASH MODE.
When you need to use the sleep mode, GPIO16 and RST should be connected,
and GPIO16 will output LOW to reset the system at the time of wakeup.



Project Name: LED Calendar (ESP8266 based)

Sheet Name: ESP-12E

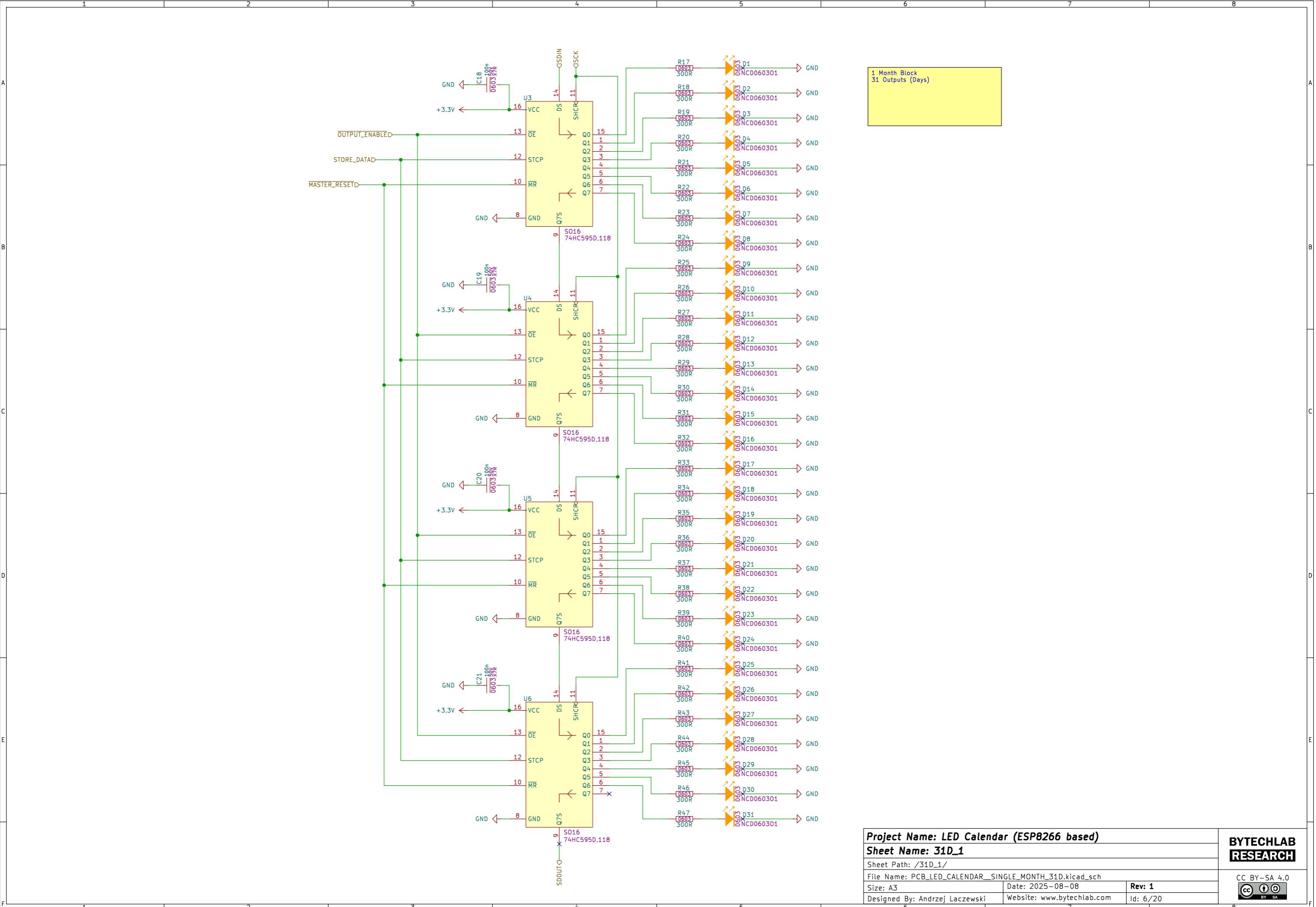
Sheet Path: /ESP-12E/

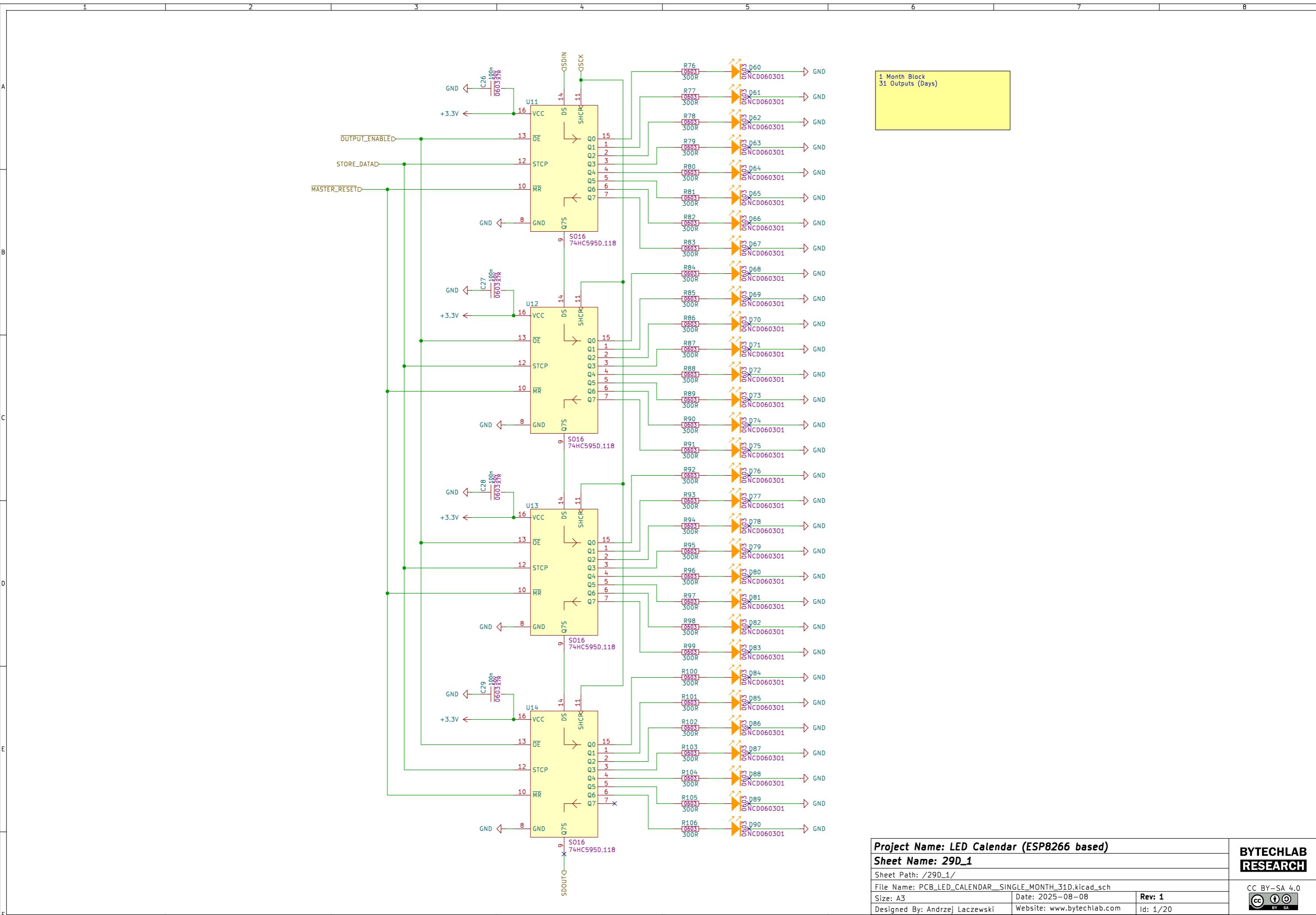
File Name: PCB_LED_CALENDAR_ESP-12E.kicad_sch

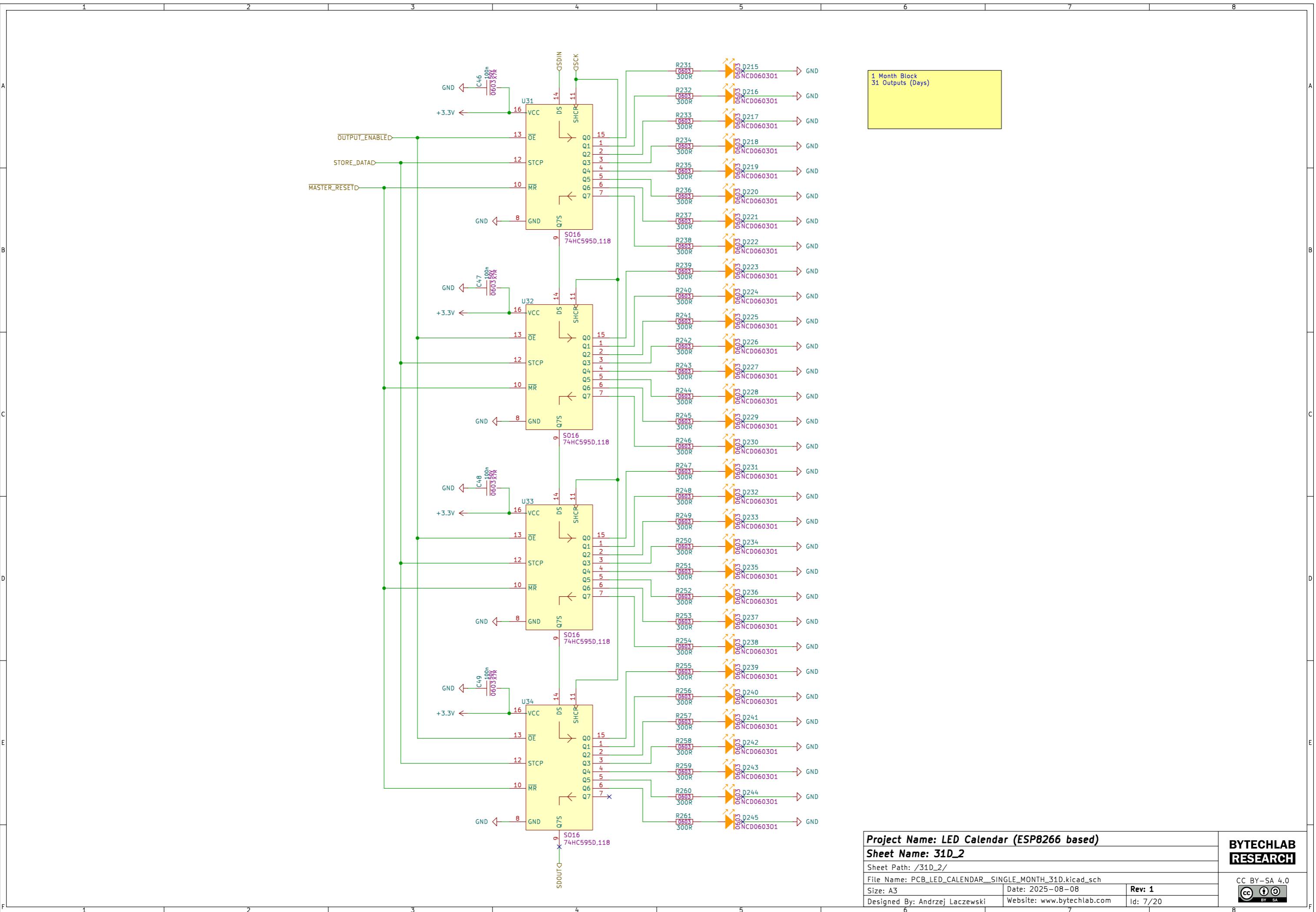
Size: A3 Date: 2025-08-08 Rev: 1

Designed By: Andrzej Laczewski Website: www.bytechlab.com Id: 14/20









Project Name: LED Calendar (ESP8266 based)

Sheet Name: 31D_2

Sheet Path: /31D_2/

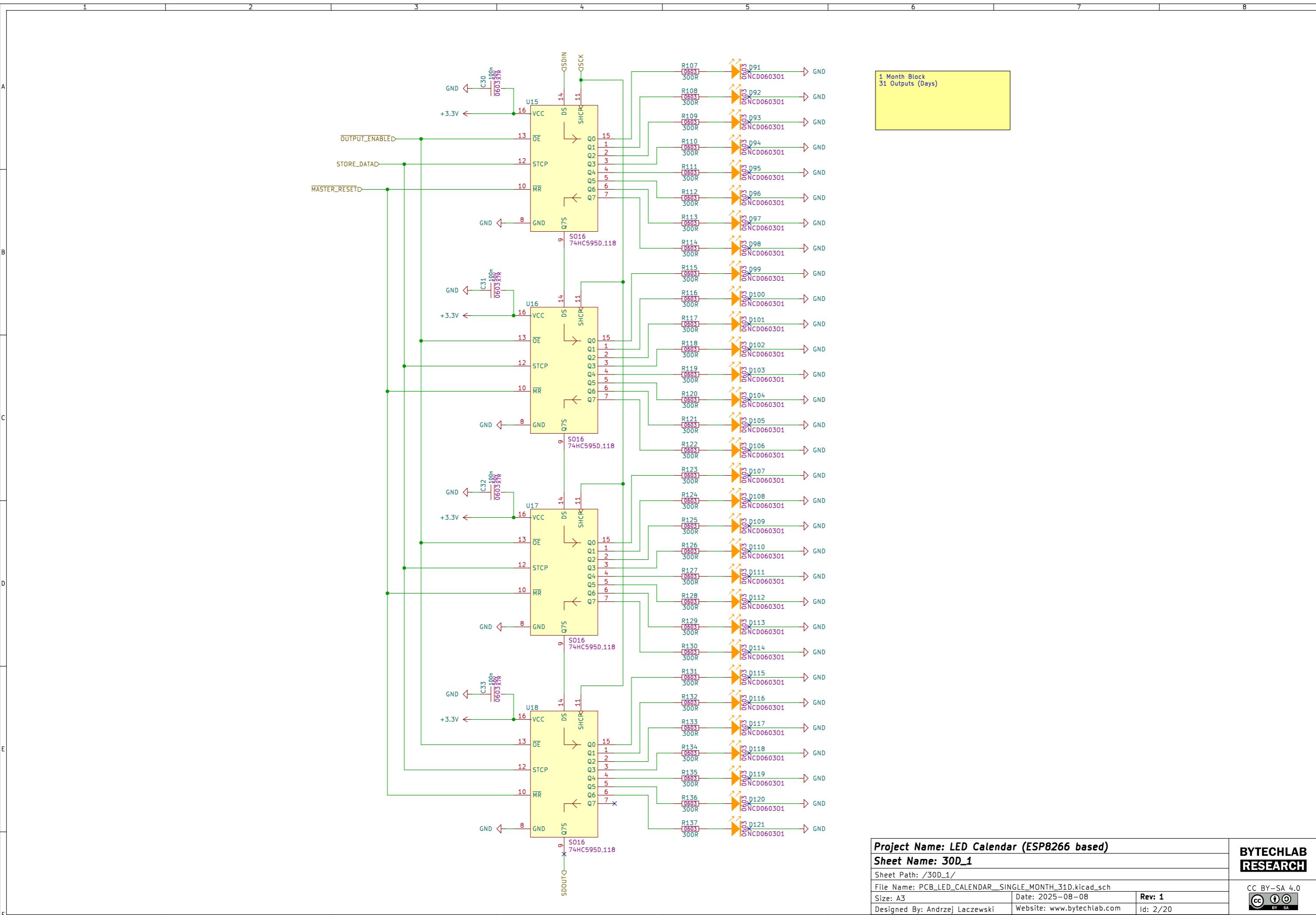
File Name: PCB_LED_CALENDAR__SINGLE_MONTH_31D.kicad_sch

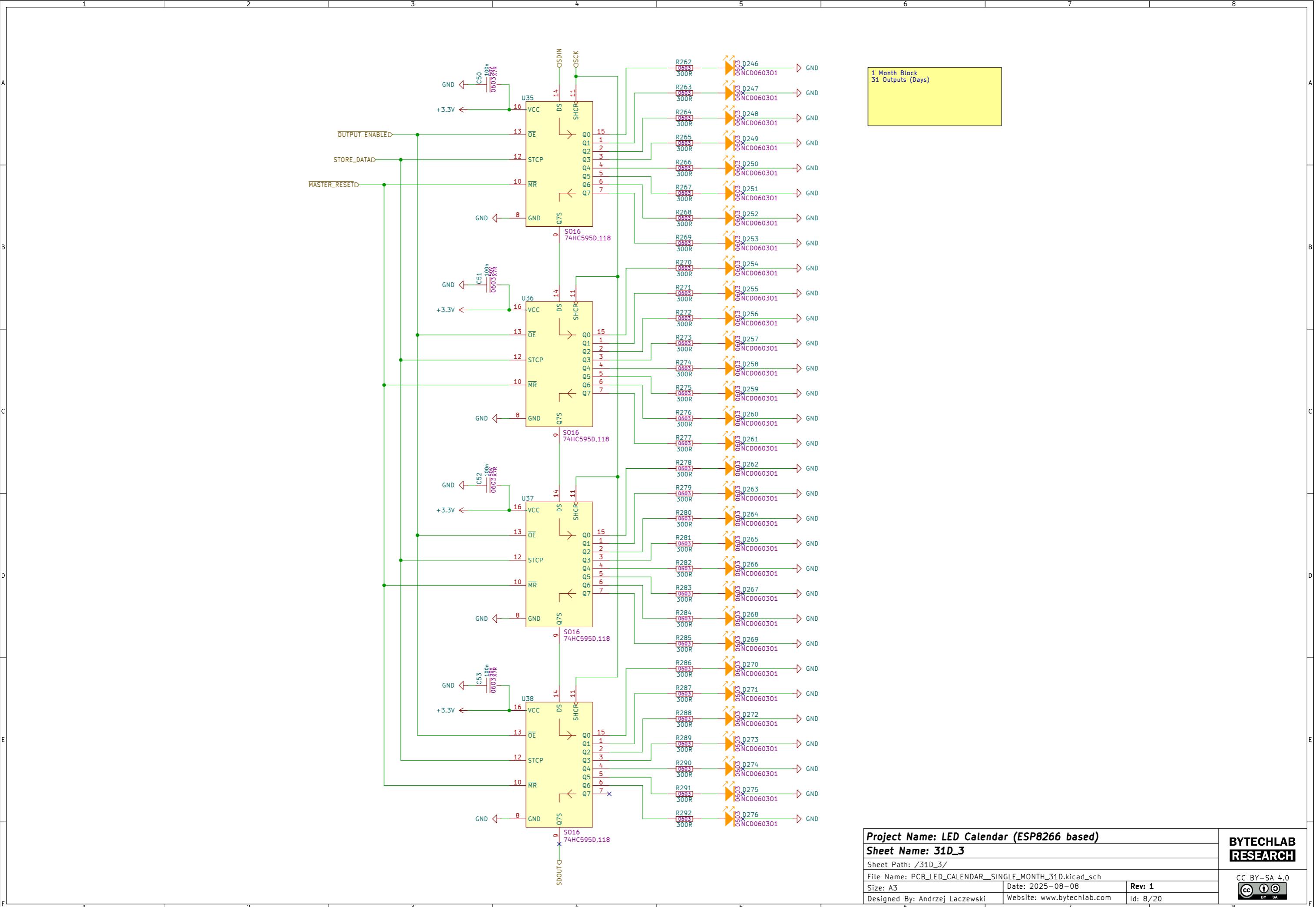
Size: A3	Date: 2025-08-08	Rev: 1
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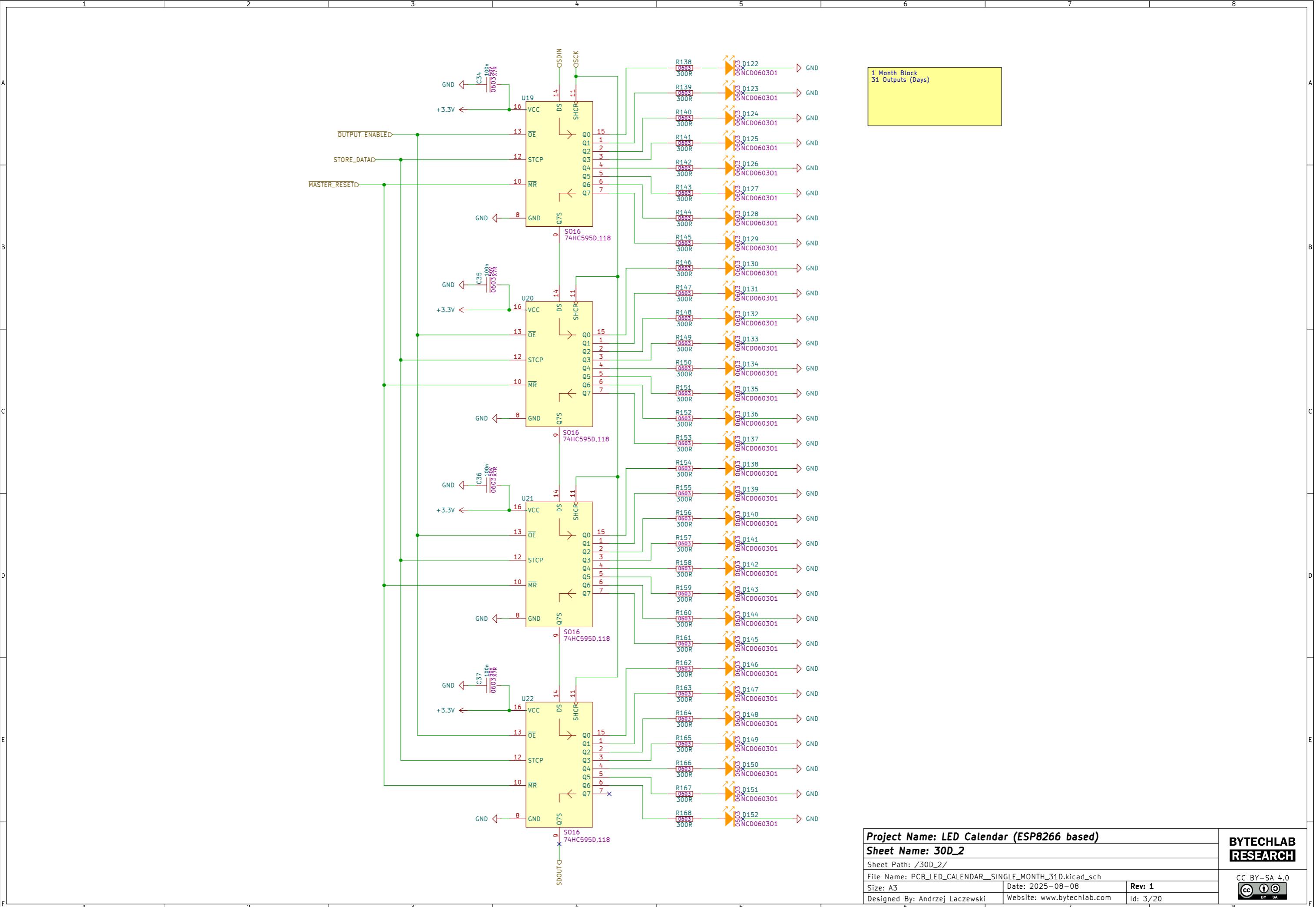
Designed By: Andrzej Laczewski	Website: www.bytechlab.com	Id: 7/20
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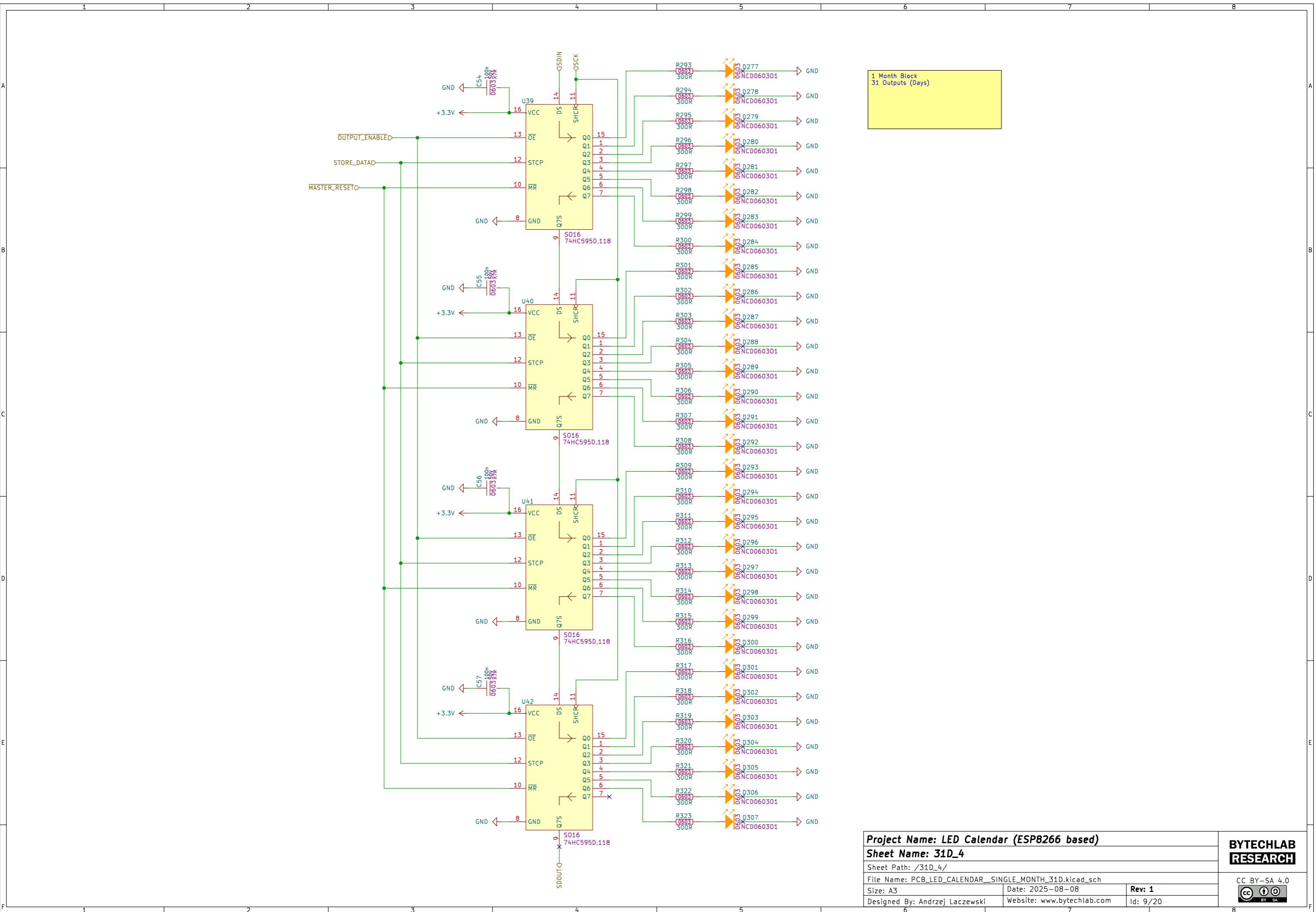
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Project Name: LED Calendar (ESP8266 based)

Sheet Name: 31D_4

Sheet Path: /31D_4/

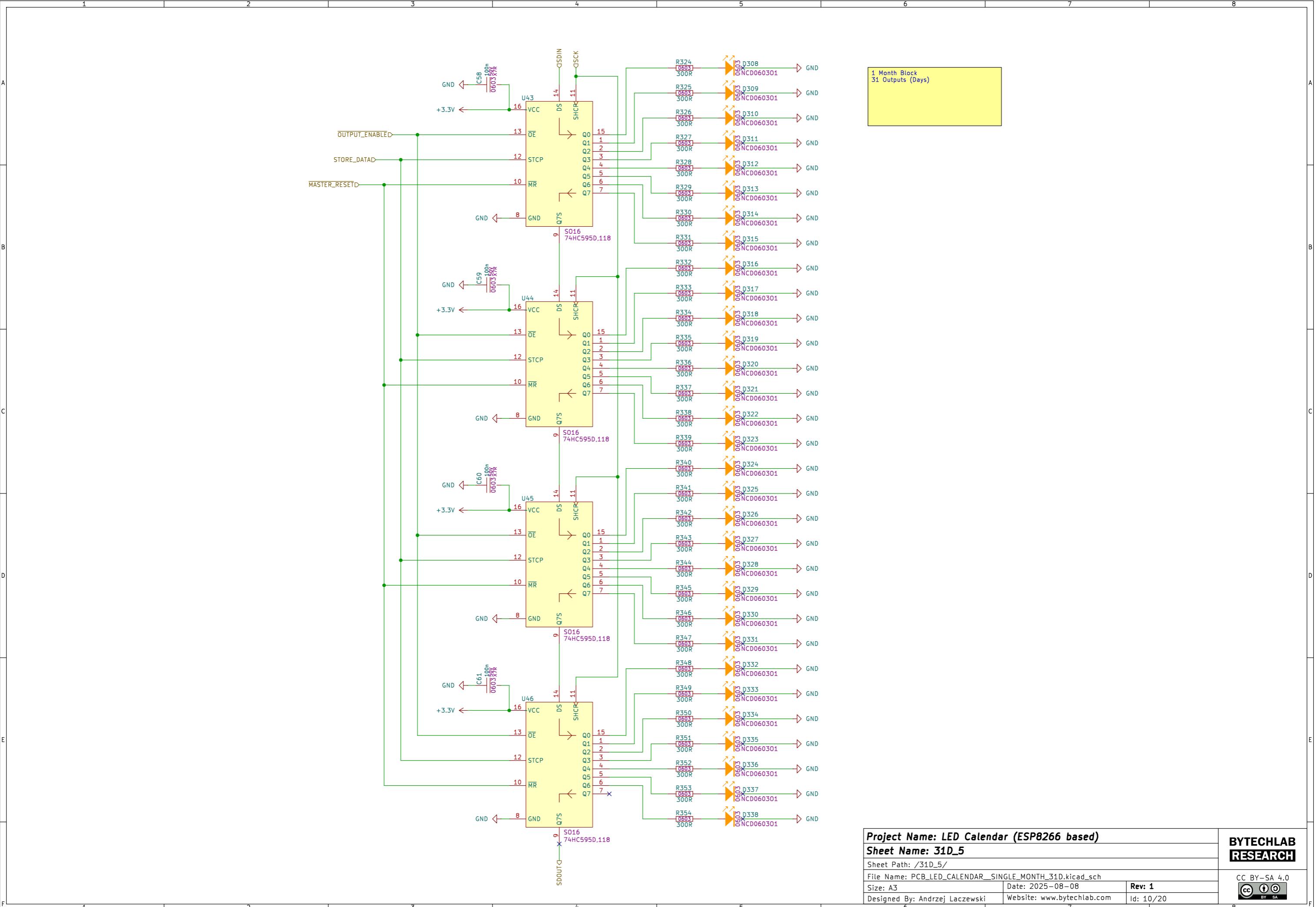
File Name: PCB_LED_CALENDAR__SINGLE_MONTH_31D.kicad_sch

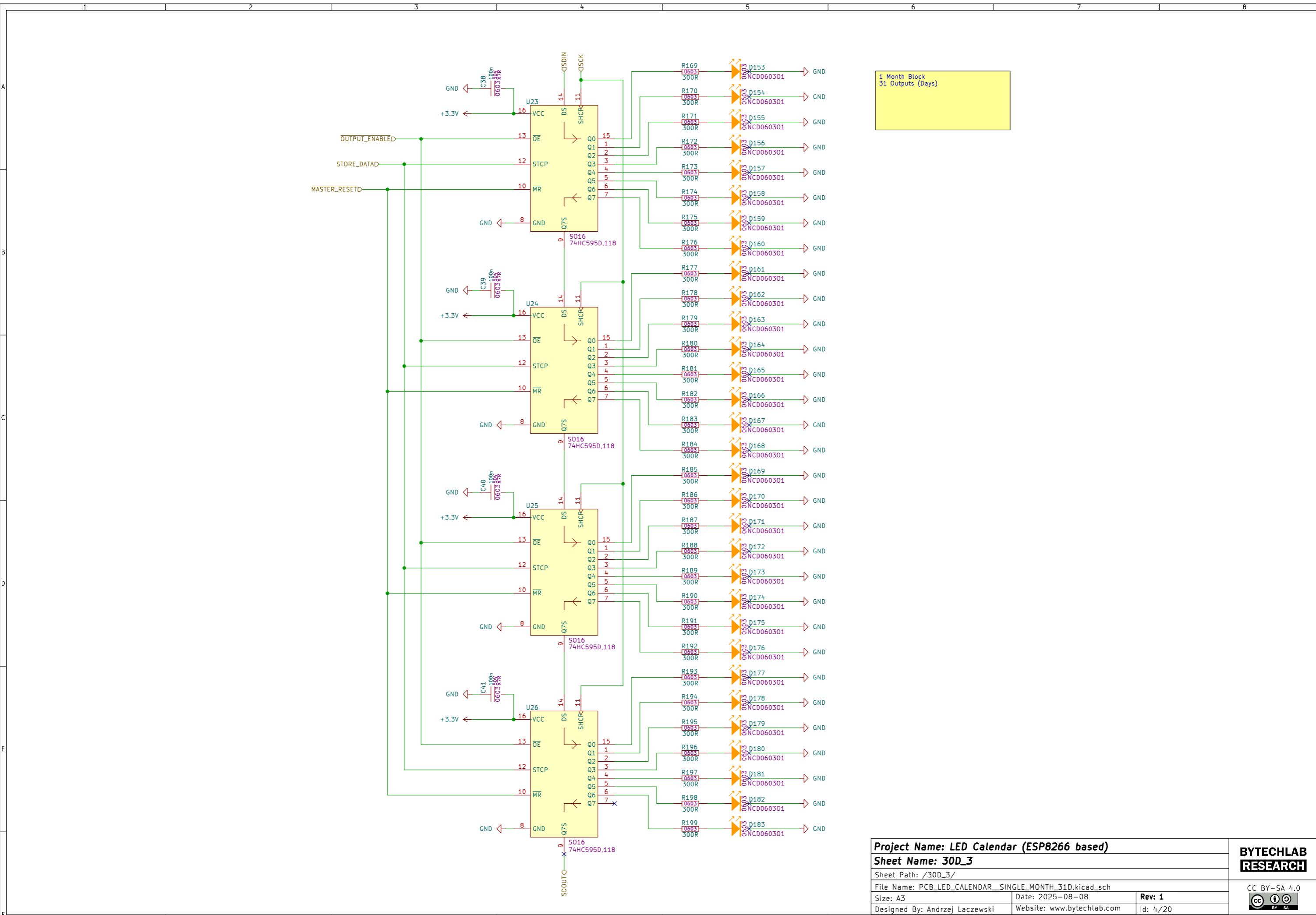
Size: A3	Date: 2025-08-08	Rev: 1
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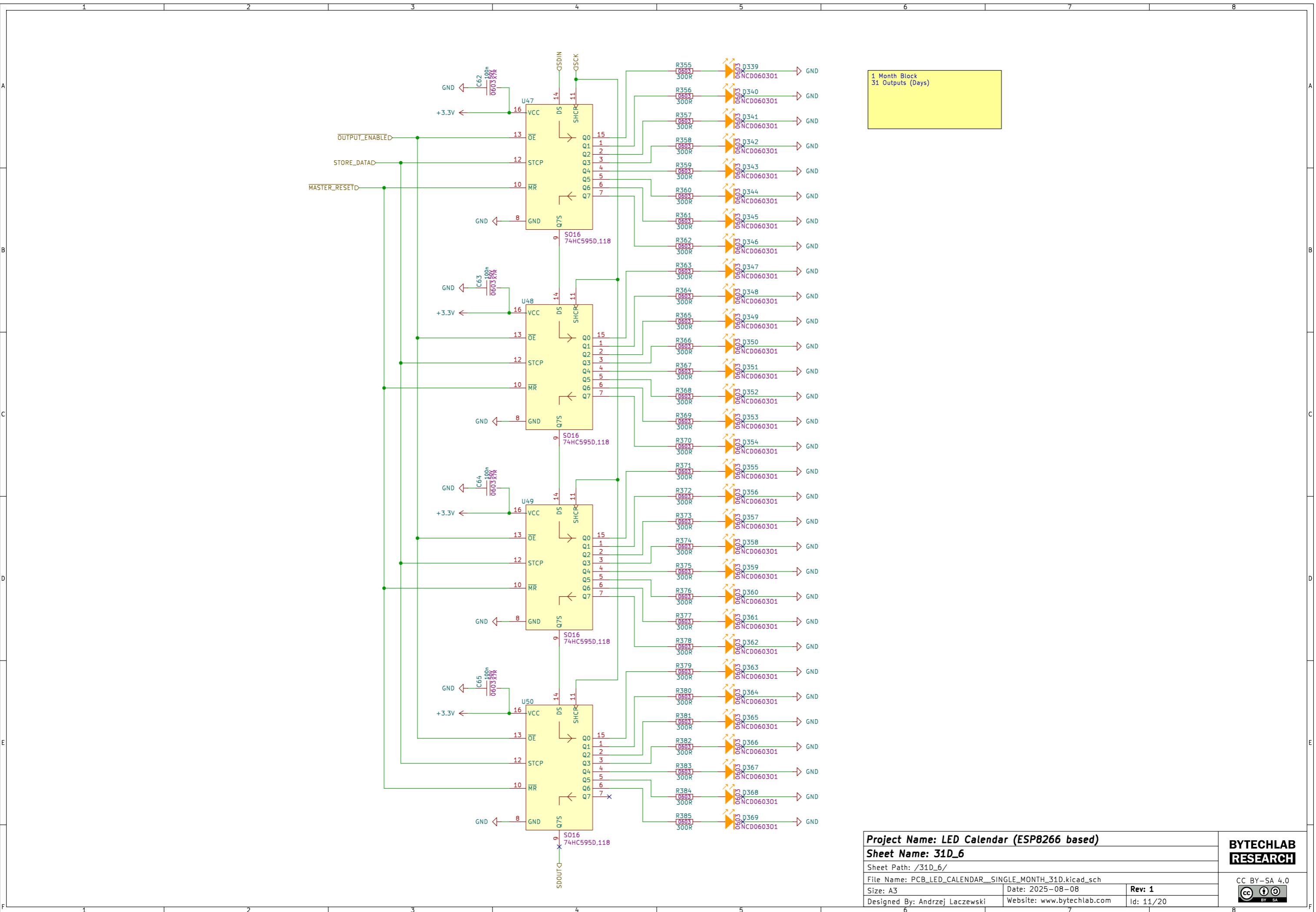
Designed By: Andrzej Laczewski	Website: www.bytechlab.com	Id: 9/20
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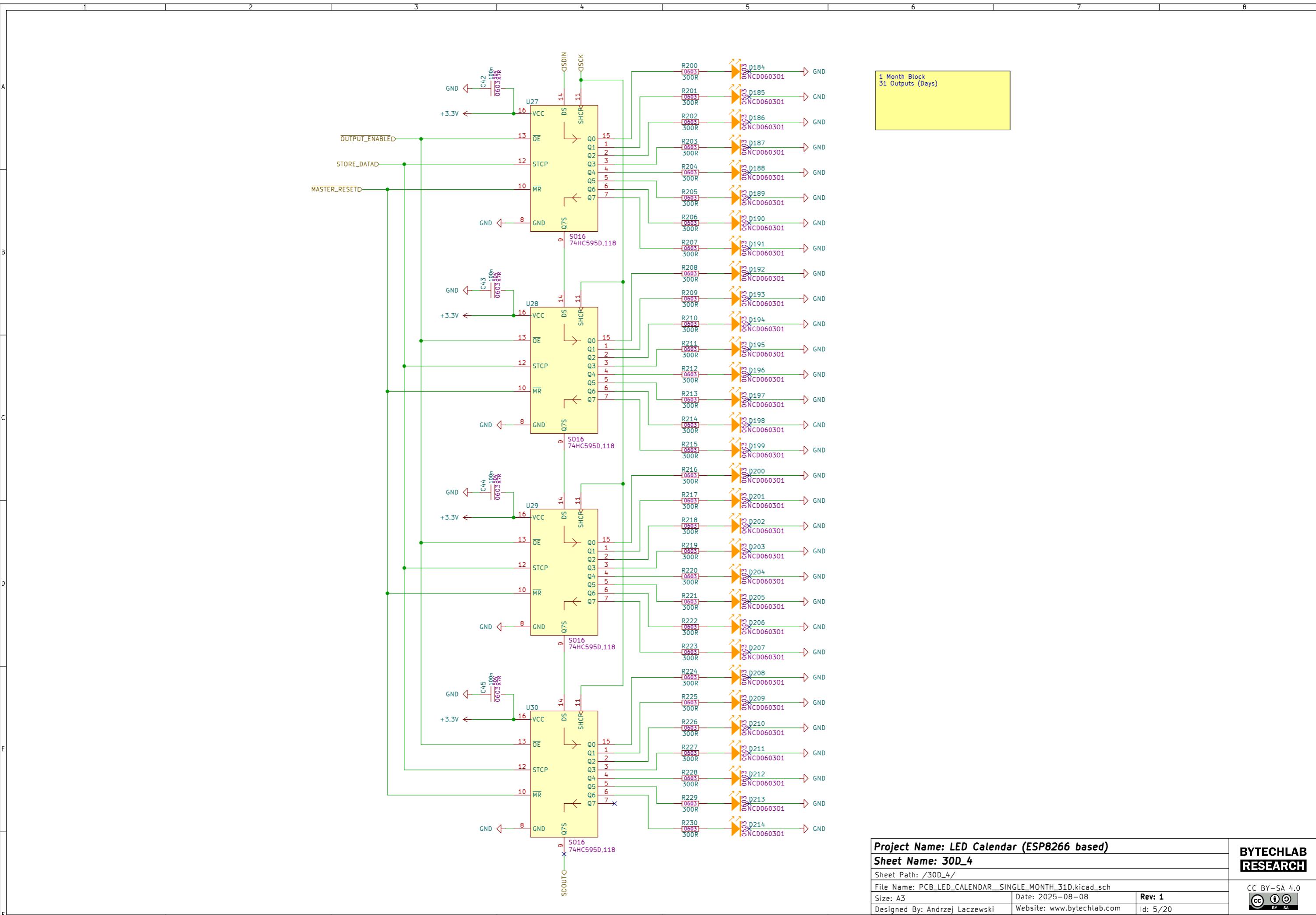
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Project Name: LED Calendar (ESP8266 based)

Sheet Name: 30D_4

Sheet Path: /30D_4/

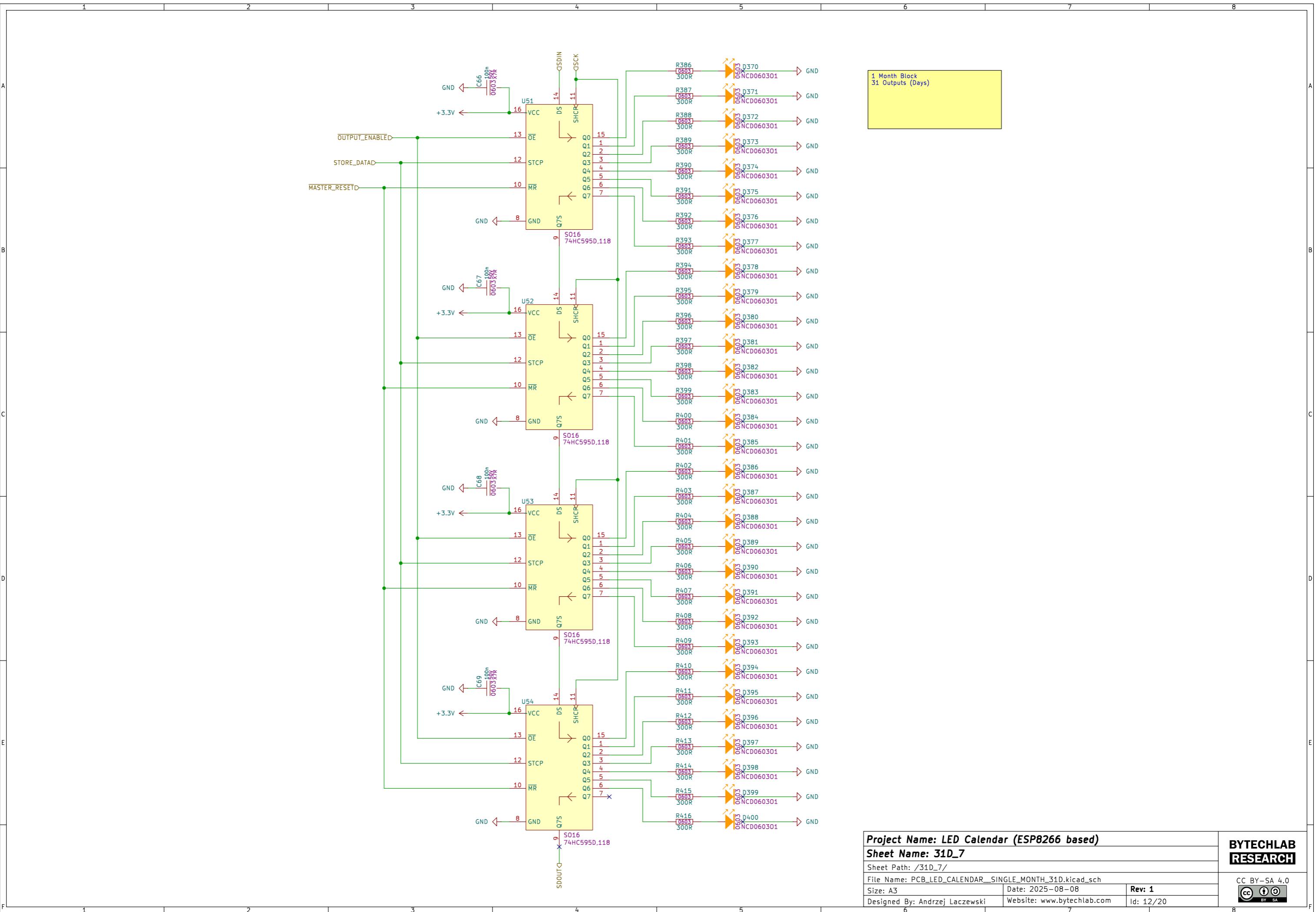
File Name: PCB_LED_CALENDAR__SINGLE_MONTH_31D.kicad_sch

Size: A3	Date: 2025-08-08	Rev: 1
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Designed By: Andrzej Laczewski	Website: www.bytechlab.com	Id: 5/20
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A

A

B

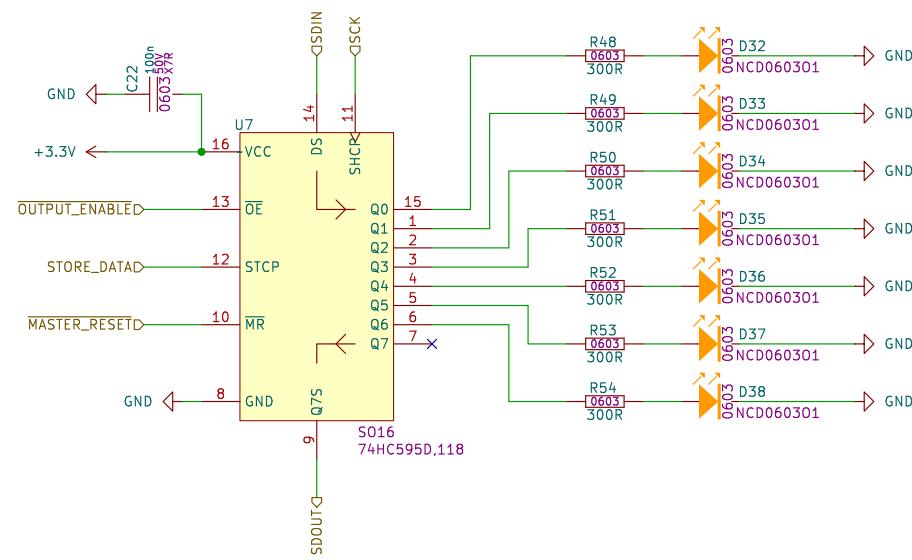
B

C

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D

D



1 Year Digit Block
7 Outputs

Project Name: LED Calendar (ESP8266 based)

Sheet Name: YD_1

Sheet Path: /YD_1/

File Name: PCB_LED_CALENDAR__SINGLE_YEAR_DIGIT.kicad_sch

Size: A4 Date: 2025-08-08

Rev: 1

Designed By: Andrzej Laczewski

Website: www.bytechlab.com

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A

A

B

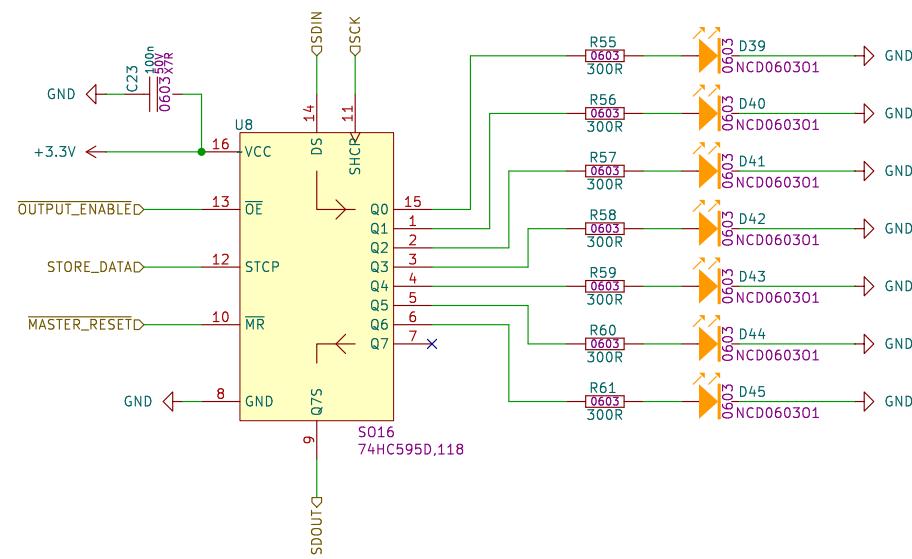
B

C

C

D

D



1 Year Digit Block
7 Outputs

Project Name: LED Calendar (ESP8266 based)

Sheet Name: YD_2

Sheet Path: /YD_2/

File Name: PCB_LED_CALENDAR__SINGLE_YEAR_DIGIT.kicad_sch

Size: A4

Date: 2025-08-08

Rev: 1

Designed By: Andrzej Laczewski

Website: www.bytechlab.com

Id: 17/20

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A

A

B

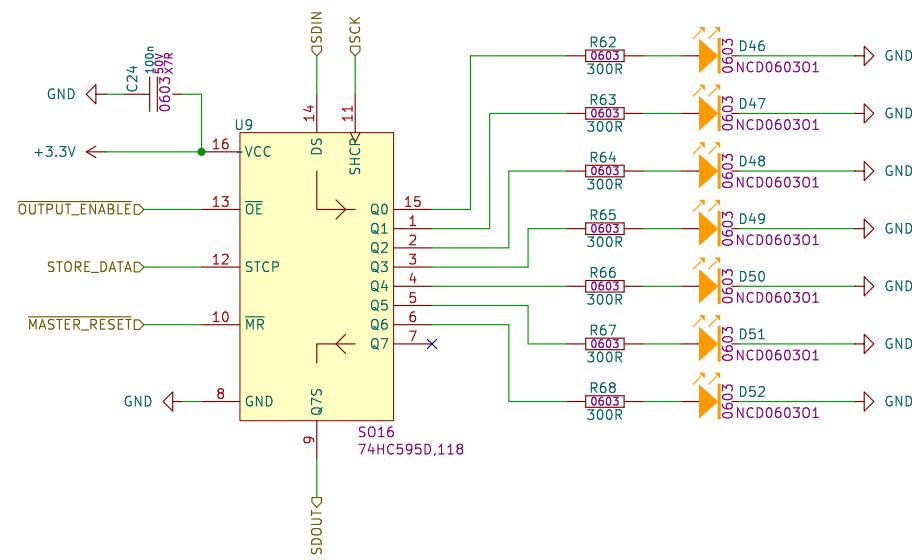
B

C

C

D

D



1 Year Digit Block
7 Outputs

Project Name: LED Calendar (ESP8266 based)

Sheet Name: YD_3

Sheet Path: /YD_3/

File Name: PCB_LED_CALENDAR__SINGLE_YEAR_DIGIT.kicad_sch

Size: A4 Date: 2025-08-08

Rev: 1

Designed By: Andrzej Laczewski

Website: www.bytechlab.com

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A

A

B

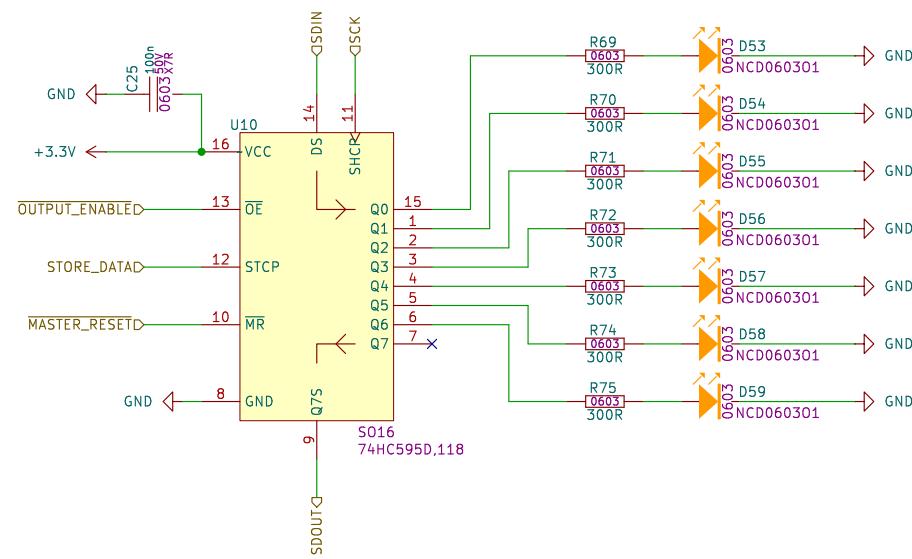
B

C

C

D

D



1 Year Digit Block
7 Outputs

Project Name: LED Calendar (ESP8266 based)

Sheet Name: YD_4

Sheet Path: /YD_4/

File Name: PCB_LED_CALENDAR__SINGLE_YEAR_DIGIT.kicad_sch

Size: A4

Date: 2025-08-08

Rev: 1

Designed By: Andrzej Laczewski

Website: www.bytechlab.com

Id: 19/20

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