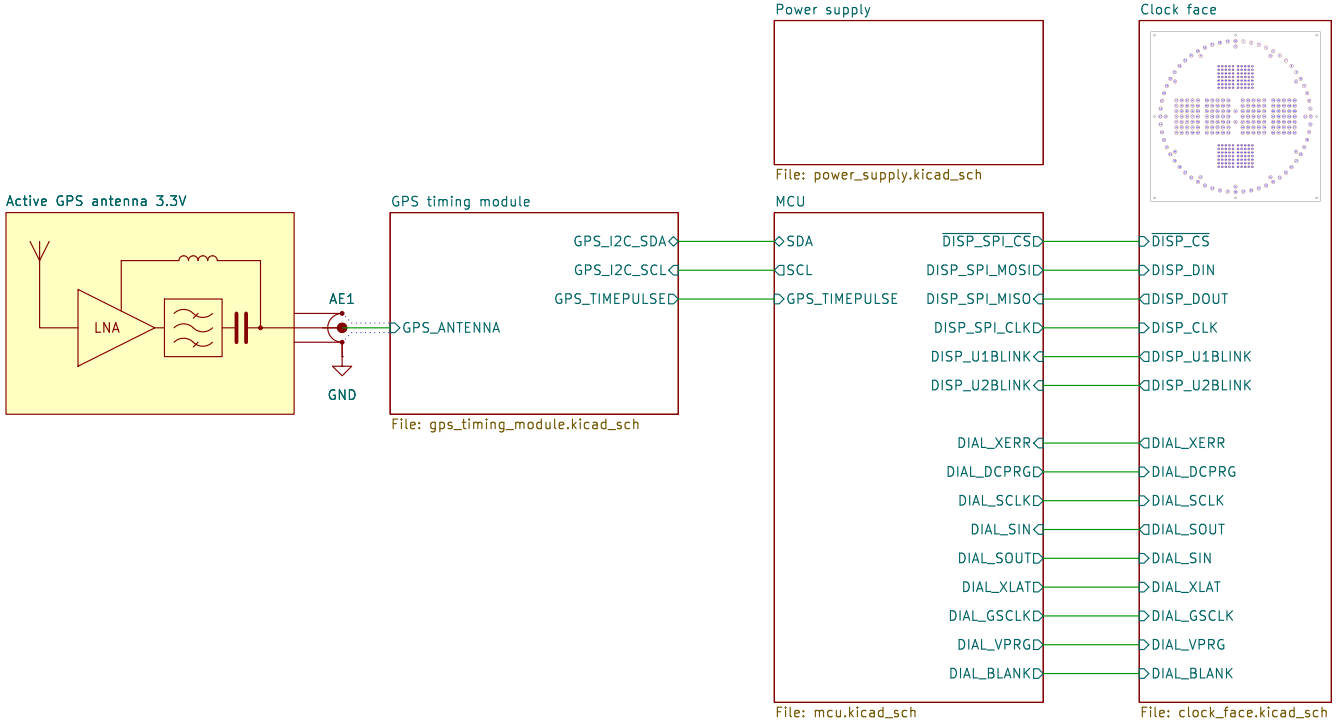

Main diagram
https://espenandersen.no

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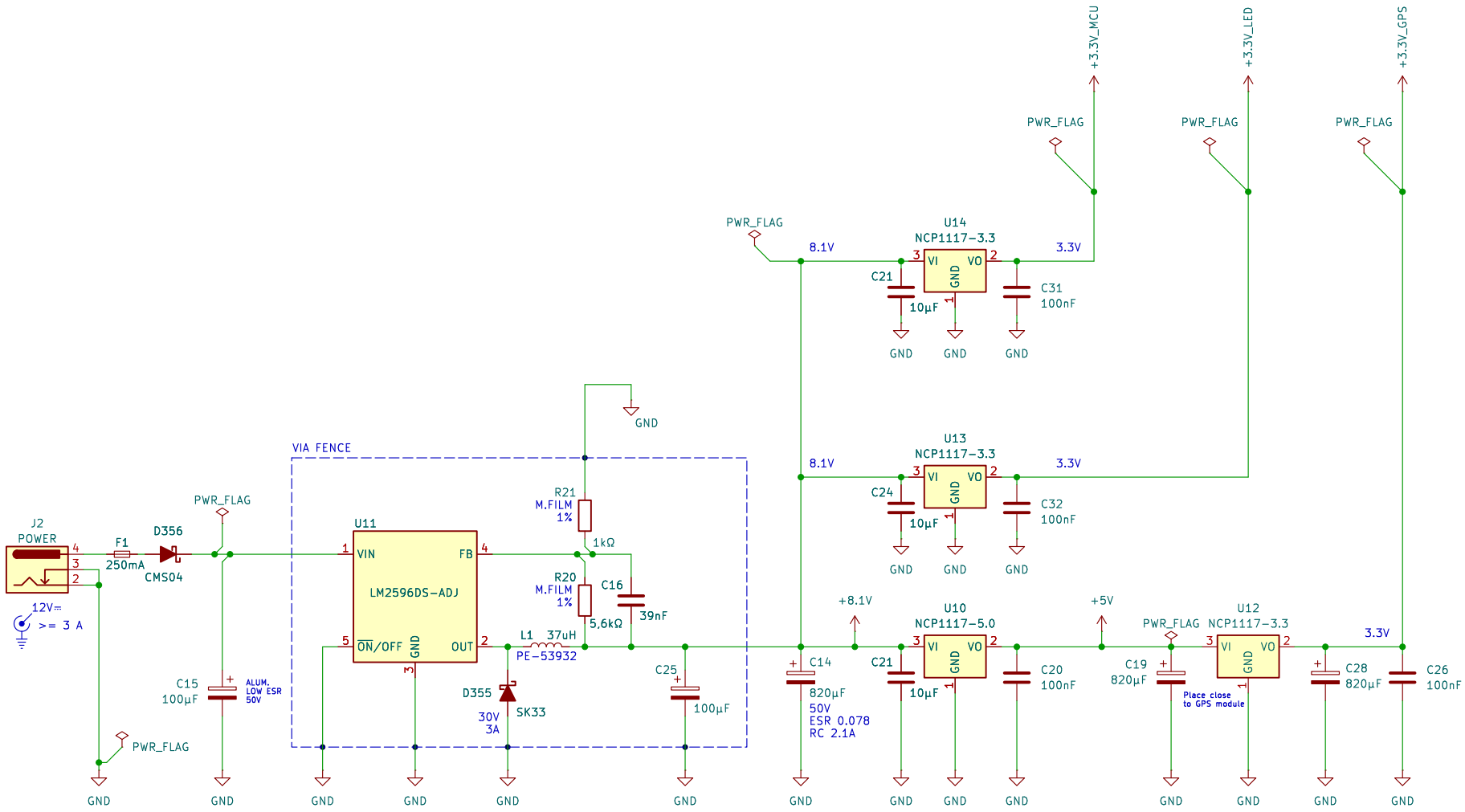
Sheet: /
File: broadcast_clock.kicad_sch

PCB: Y9-3165818C

Title: Broadcast Clock

Size: A4	Date: 2024-05-06	**Rev: v1.0**
KiCad E.D.A. 8.0.4		Id: 1/8



$$V_{out} = V_{ref}\left(1.0 + \frac{R20}{R21}\right) \Rightarrow 1.23\left(1.0 + \frac{5600}{1000}\right) = [8.1]$$

Power supply
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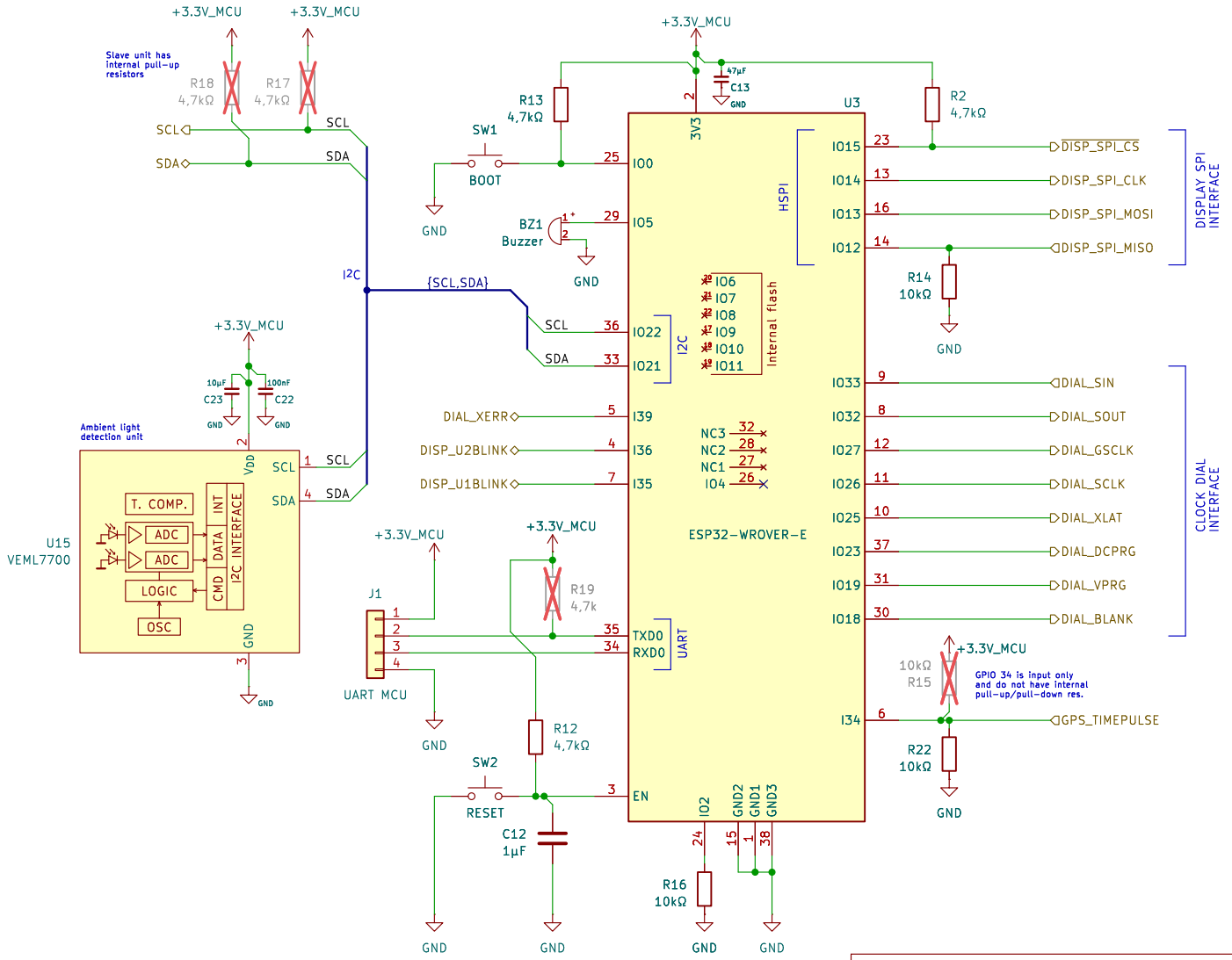
Sheet: /Power supply/
File: power_supply.kicad_sch

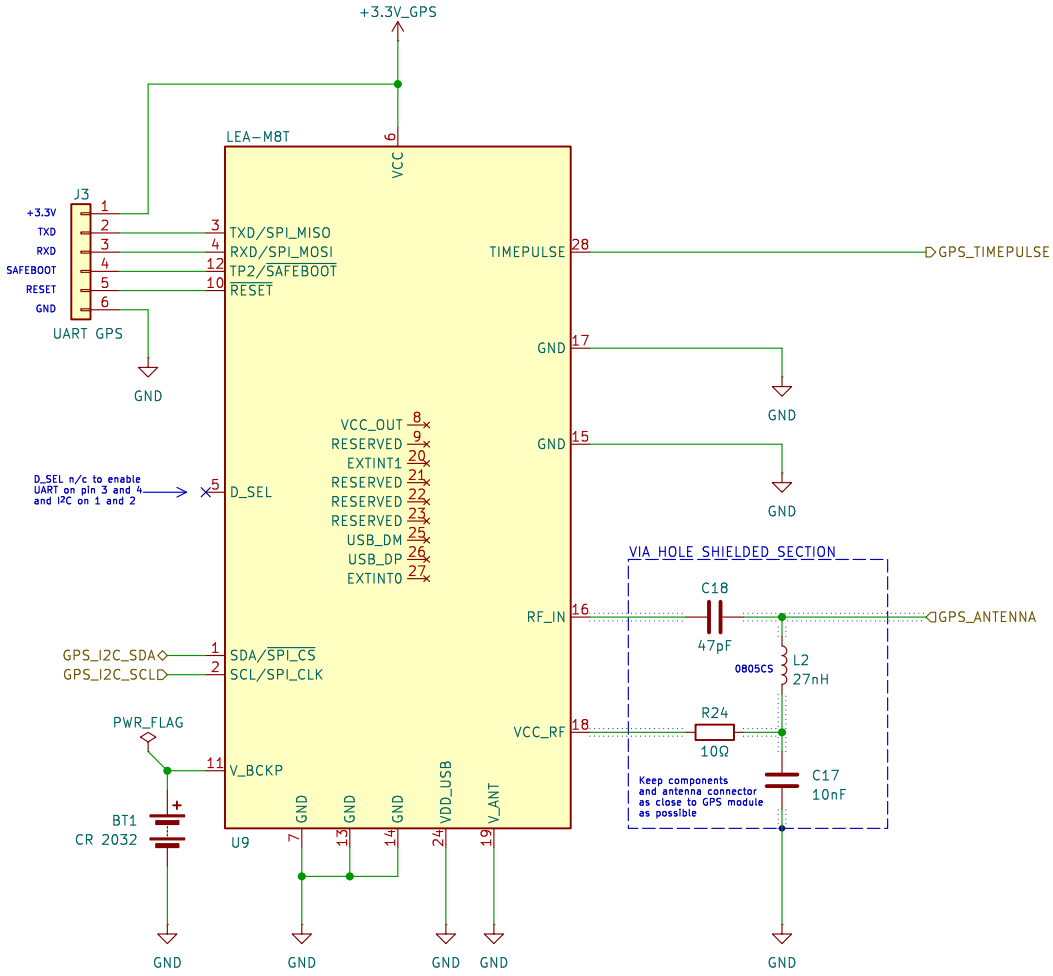
PCB: Y9-3165818C

Title: Broadcast Clock

Size: A4	Date: 2024-05-06	**Rev: v1.0**
KiCad E.D.A. 8.0.4		Id: 2/8



MCU **https://espenandersen.no**	:espen a_
Sheet: /MCU/ File: mcu.kicad_sch	PCB: Y9-3165818C
Title: Broadcast Clock	
Size: A4 | Date: 2024-05-06	**Rev: v1.0**
KiCad E.D.A. 8.0.4	Id: 3/8



GPS timing module
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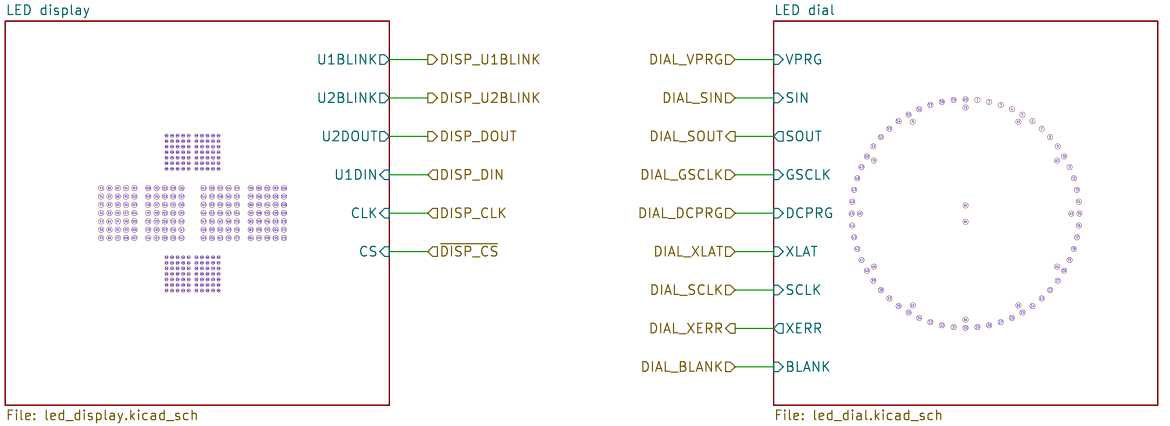
Sheet: /GPS timing module/
File: gps_timing_module.kicad_sch

PCB: Y9-3165818C

Title: Broadcast Clock

Size: A4	Date: 2024-05-06	**Rev: v1.0**
KiCad E.D.A. 8.0.4		Id: 4/8



Clock face
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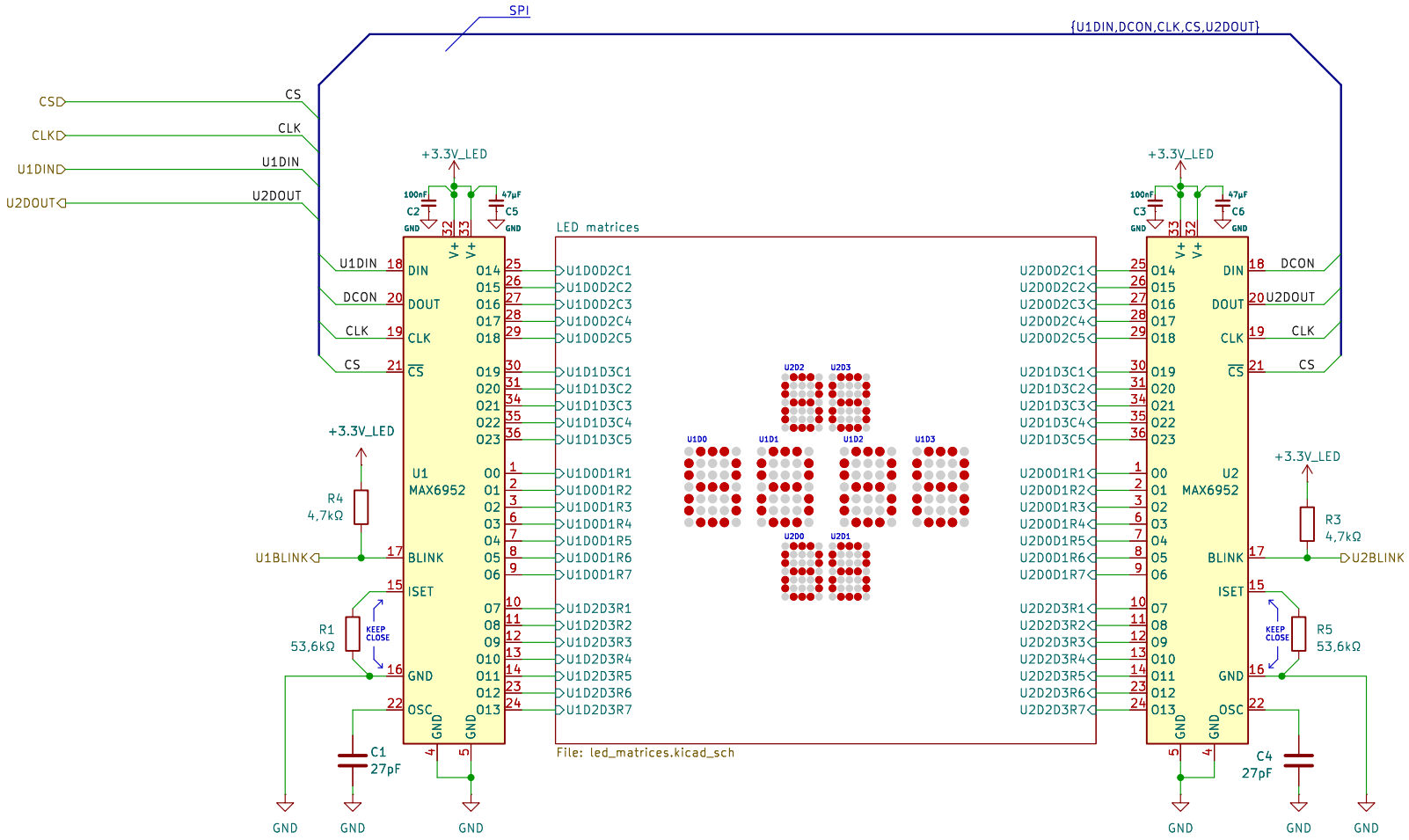
Sheet: /Clock face/
File: clock_face.kicad_sch

PCB: Y9-3165818C

Title: Broadcast Clock

Size: A4	Date: 2024-05-06	**Rev: v1.0**
KiCad E.D.A. 8.0.4		Id: 5/8



LED display **https://espenandersen.no**	:espen a_
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Title: Broadcast Clock	
Size: A4 | Date: 2024-05-06	**Rev: v1.0**
KiCad E.D.A. 8.0.4	Id: 6/8

LED matrices

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Sheet: /Clock face/LED display/LED matrices/

File: led_matrices.kicad_sch

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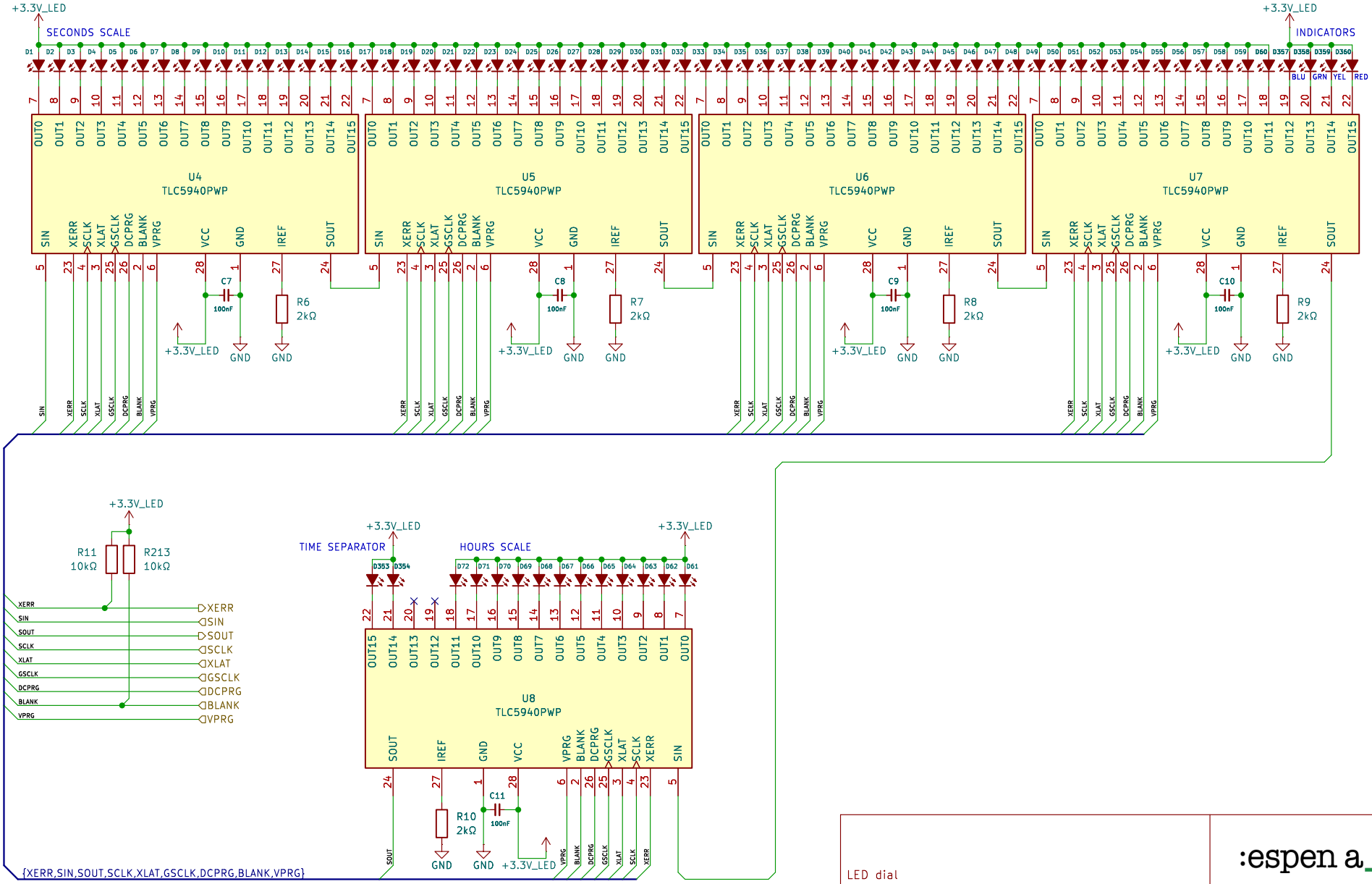
PCB: Y9-3165818C

Title: Broadcast Clock

Size: A4	Date: 2024-05-06	**Rev: v1.0**
KiCad E.D.A. 8.0.4		Id: 7/8



LED dial
https://espenandersen.no

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Sheet: /Clock face/LED dial/
File: led_dial.kicad_sch

PCB: Y9-3165818C

Title: Broadcast Clock

Size: A4	Date: 2024-05-06	**Rev: v1.0**
KiCad E.D.A. 8.0.4		Id: 8/8