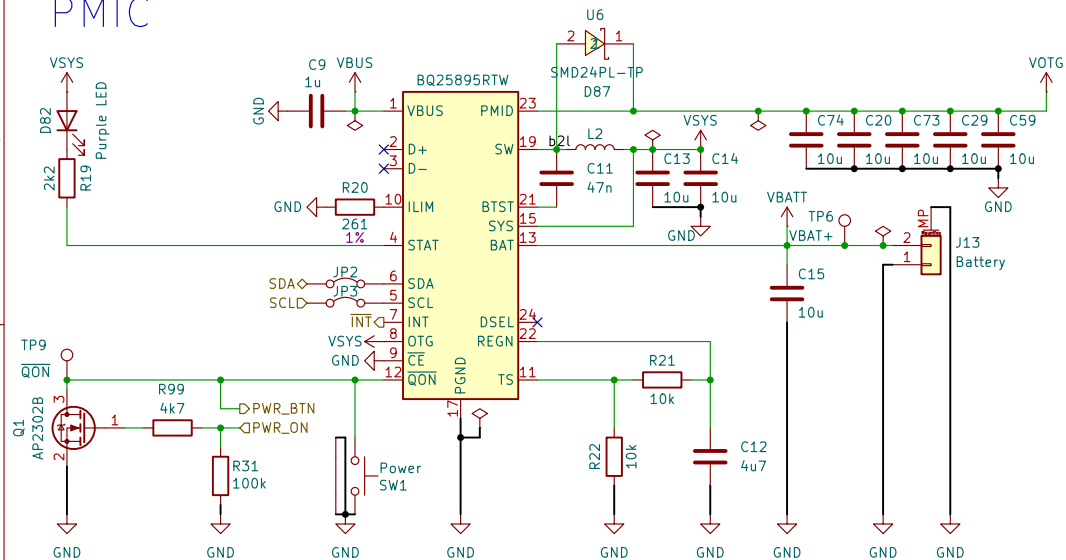


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Sheet: /Coprocesor/Keyboard/ File: keyboard_matrix.kicad_sch		
Title: WHY2025 badge		
Size: A4	Date: 2024-11-01	Rev: Prototype 3
KiCad E.D.A. 8.0.6	Id: 5/10	

PMIC



Watch out with the I2C bus of this device, wrong configuration can be dangerous.

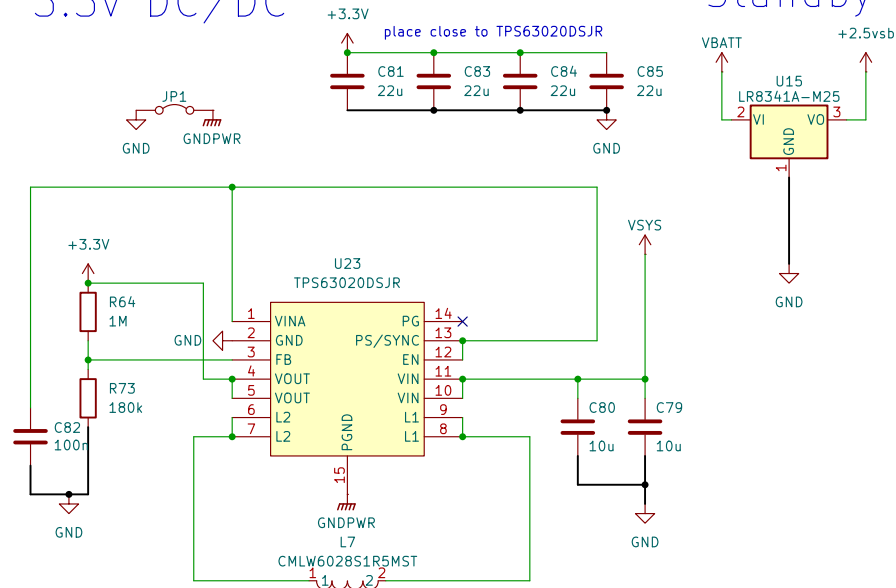
VBUS is the voltage coming from the input USB-C port. This voltage can be 5 up to 14 volts.

VOTG is 5V generated from VBATT or VBUS depending on the power source of the system.

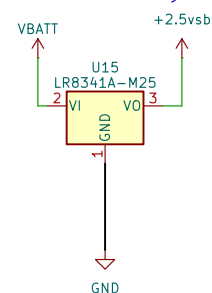
VBATT is connected to the rechargeable battery.

VSYS is an unregulated 3.5 to 4.5V output used to power the DC-DC converters for the rest of the components.

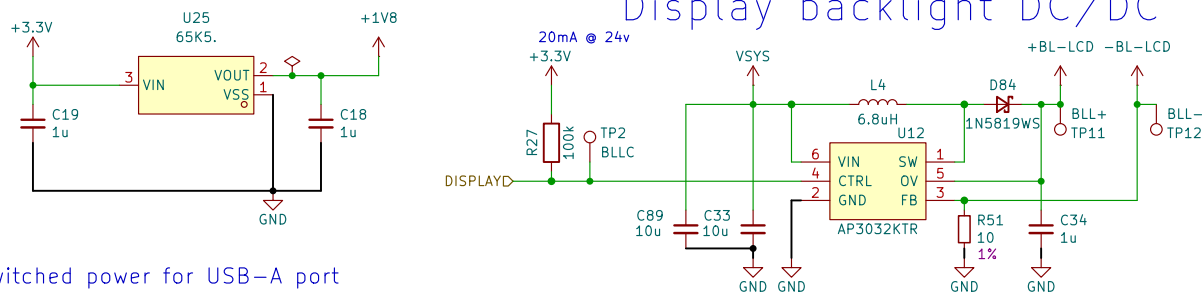
3.3v DC/DC



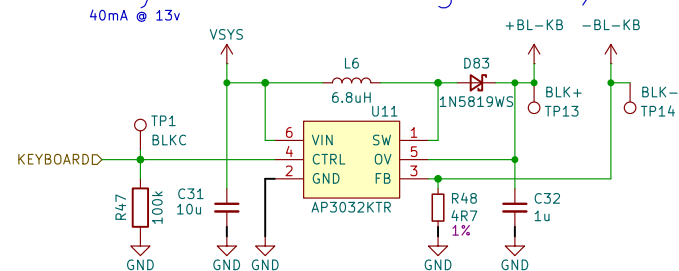
Standby



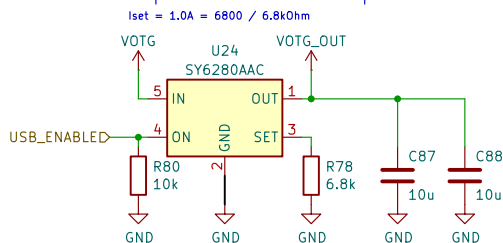
Display backlight DC/DC



Keyboard backlight DC/DC



Switched power for USB-A port



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Sheet: /Power/
 File: power.kicad_sch

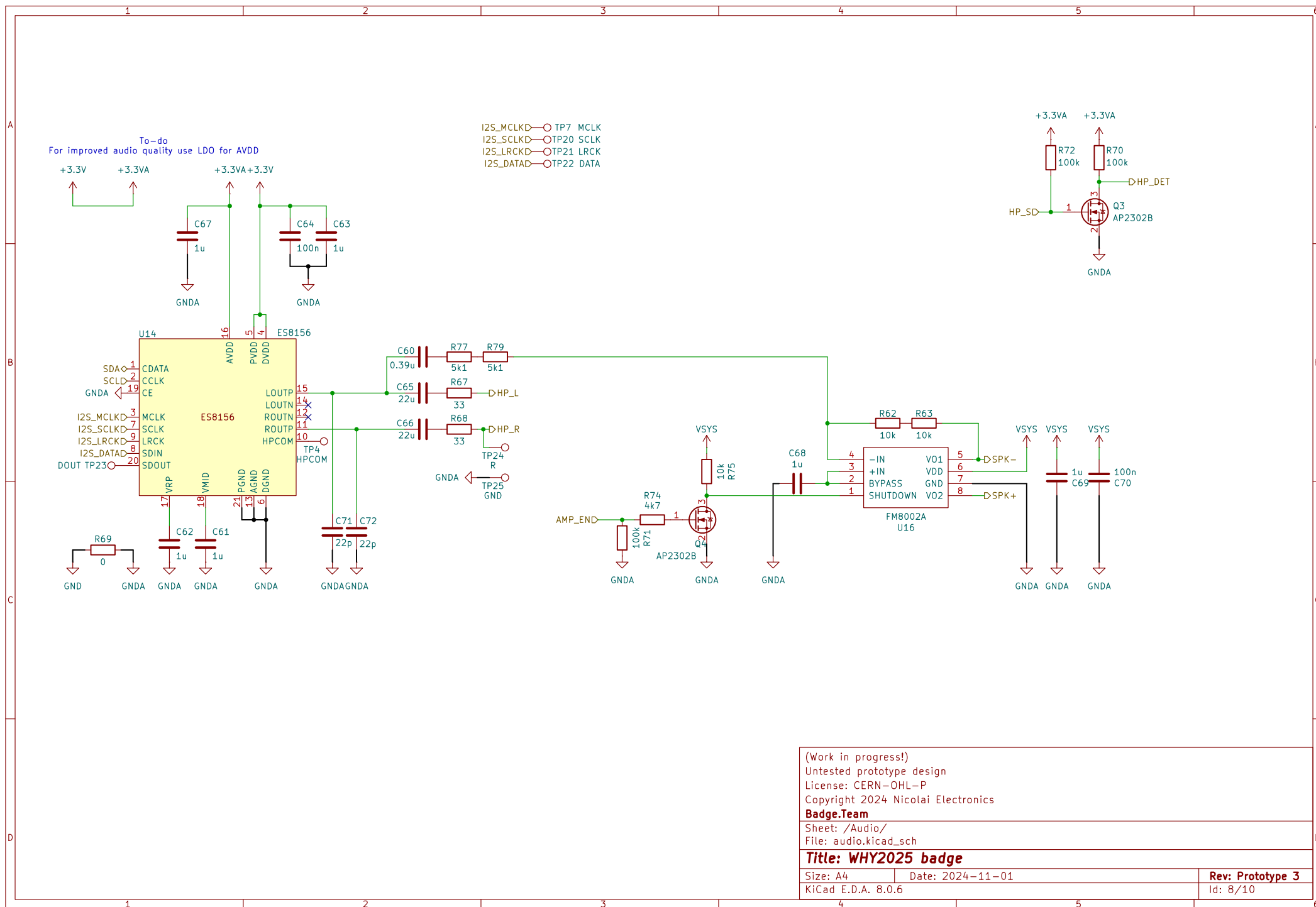
Title: WHY2025 badge

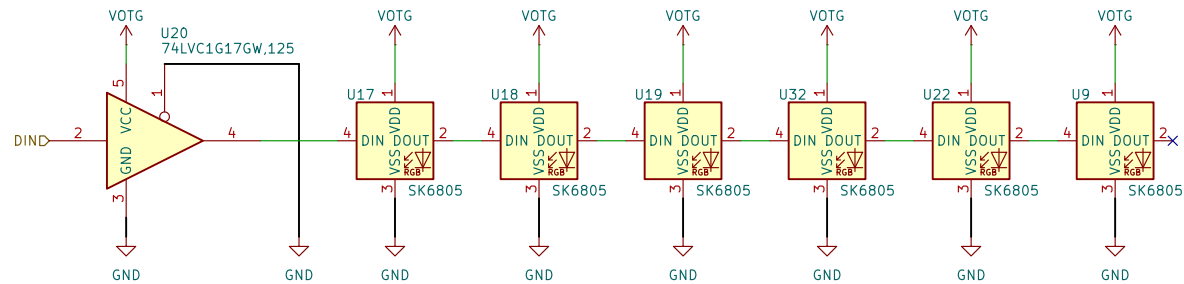
Size: A4 Date: 2024-11-01

KiCad E.D.A. 8.0.6

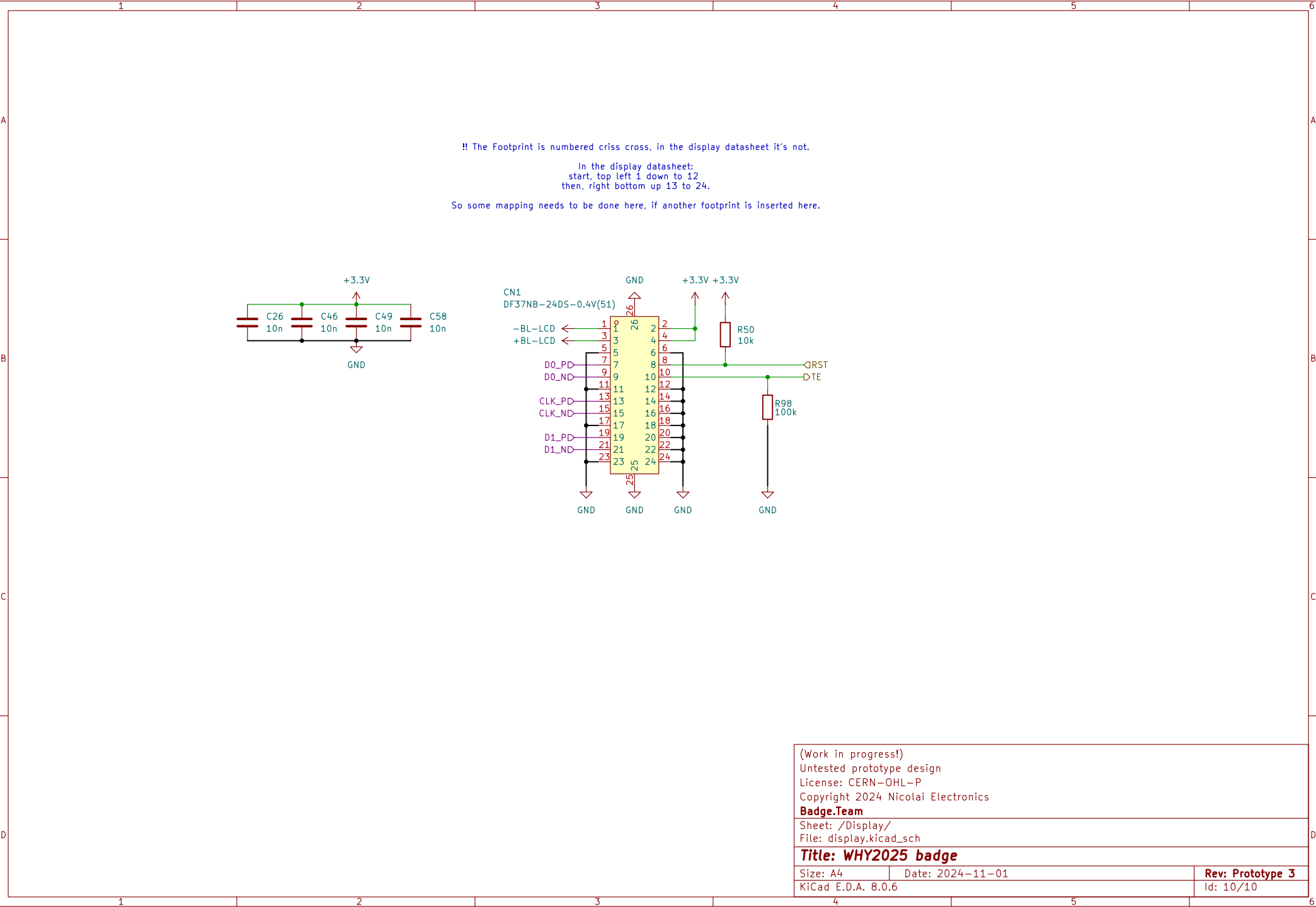
Rev: Prototype 3

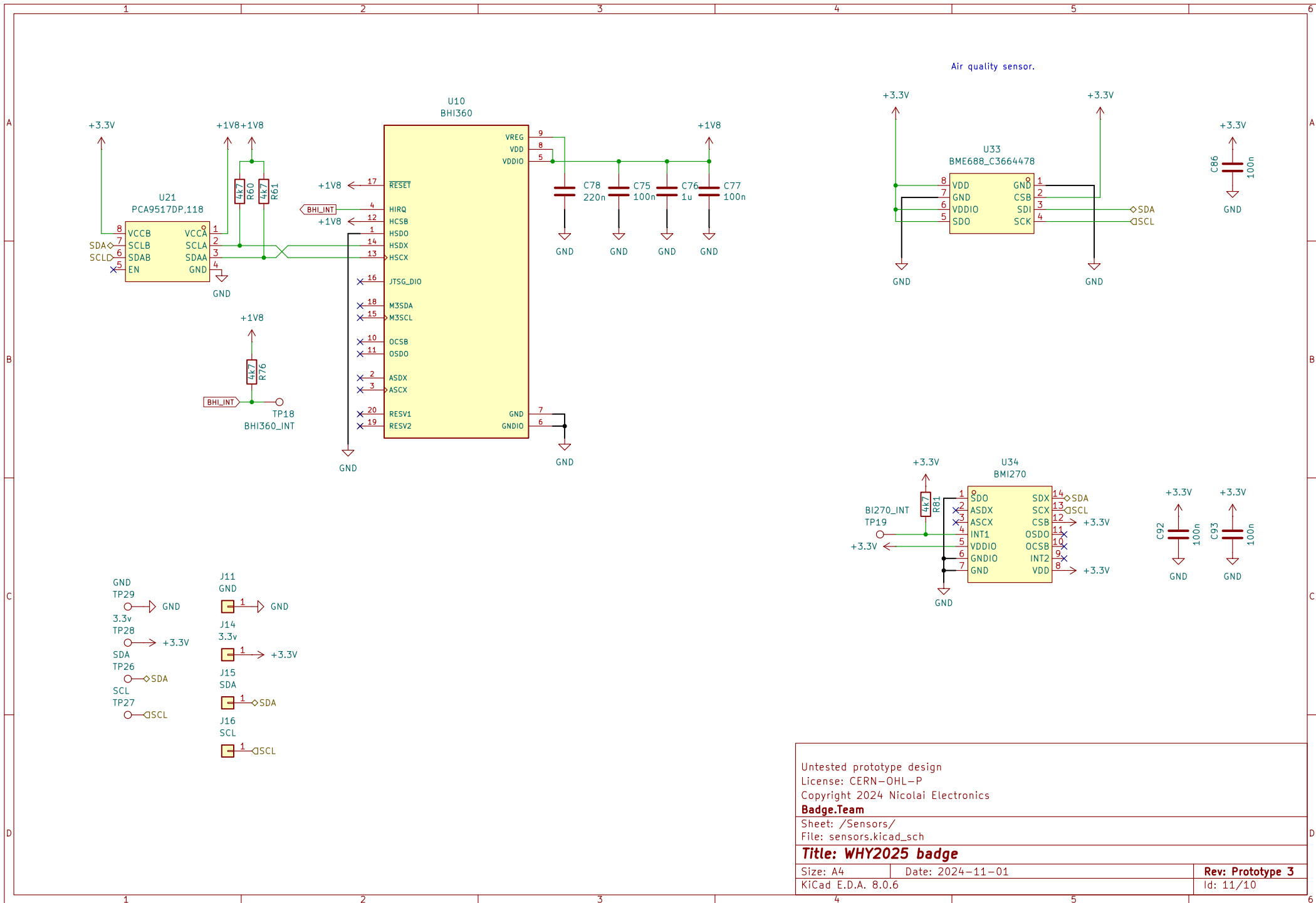
Id: 6/10





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Sheet: /LEDs/ File: leds.kicad_sch		
Title: WHY2025 badge		
Size: A4	Date: 2024-11-01	Rev: Prototype 3
KiCad E.D.A. 8.0.6		Id: 9/10





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Sheet: /Sensors/
File: sensors.kicad_sch

Title: WHY2025 badge

Size: A4 Date: 2024-11-01

KiCad E.D.A. 8.0.6

Rev: Prototype 3

Id: 11/10