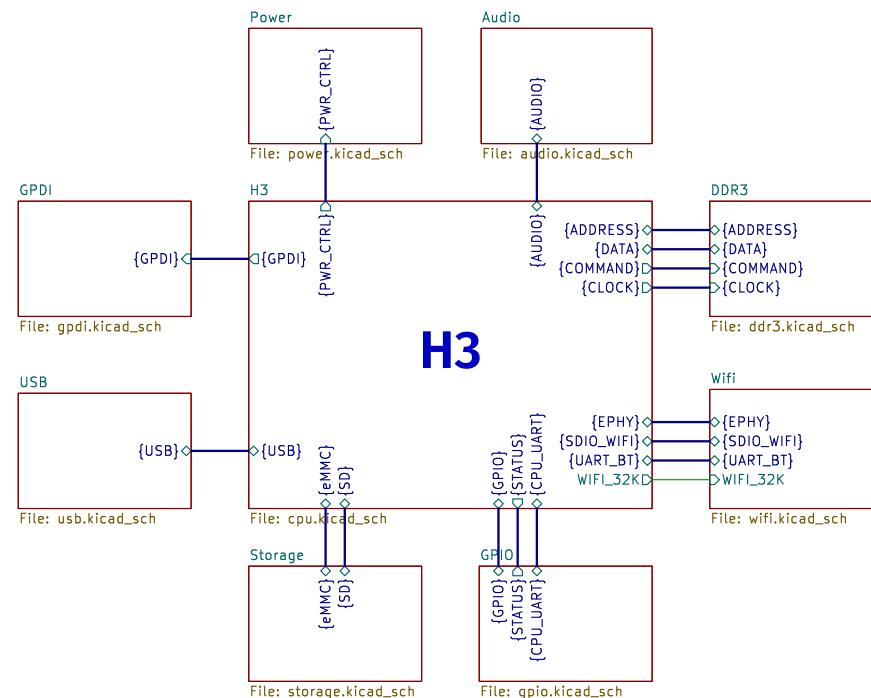


Icepi SBC



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Sheet: /

File: cm0.kicad_sch

Title: Icepi SBC

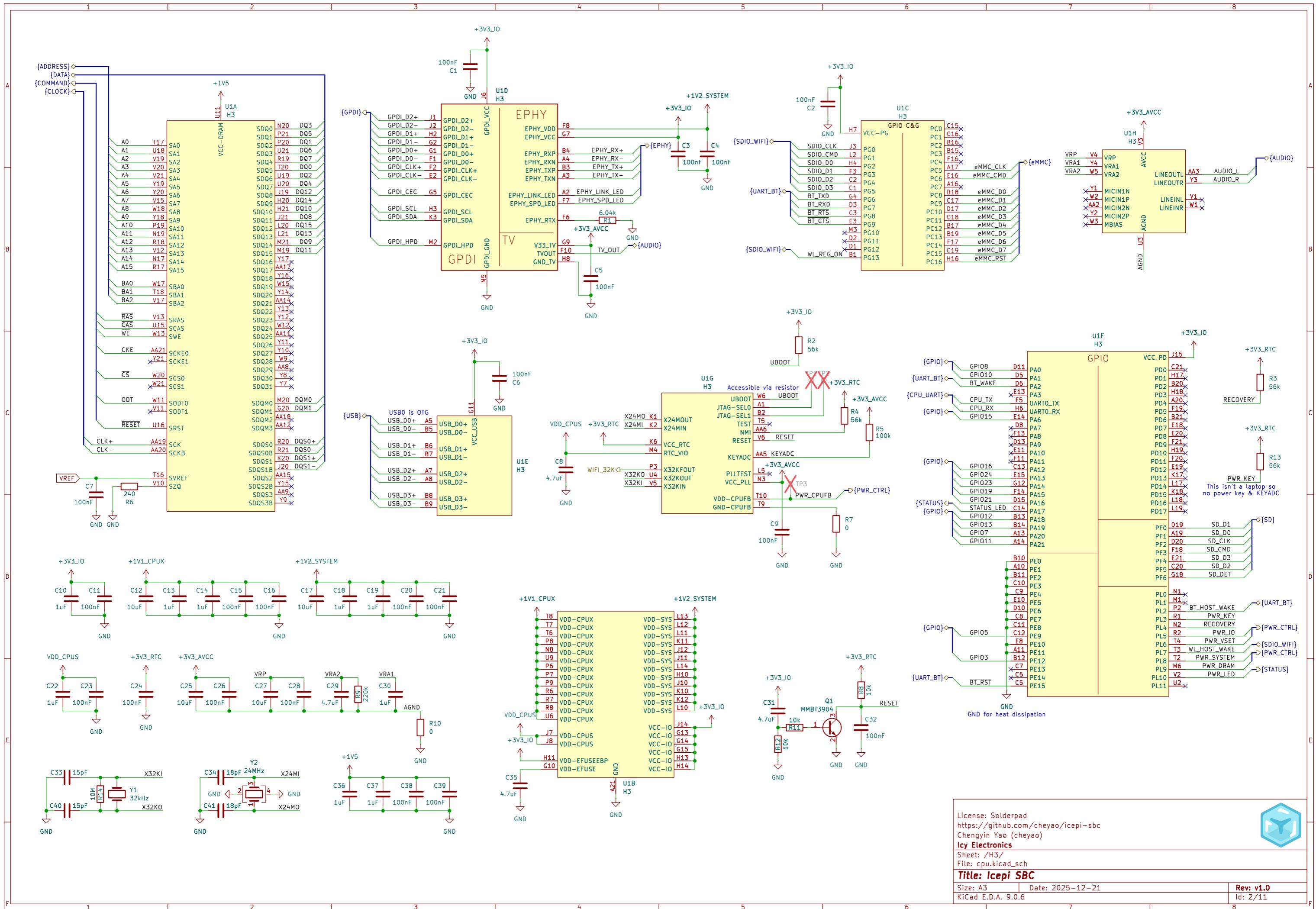
Size: A4

Date: 2025-12-21

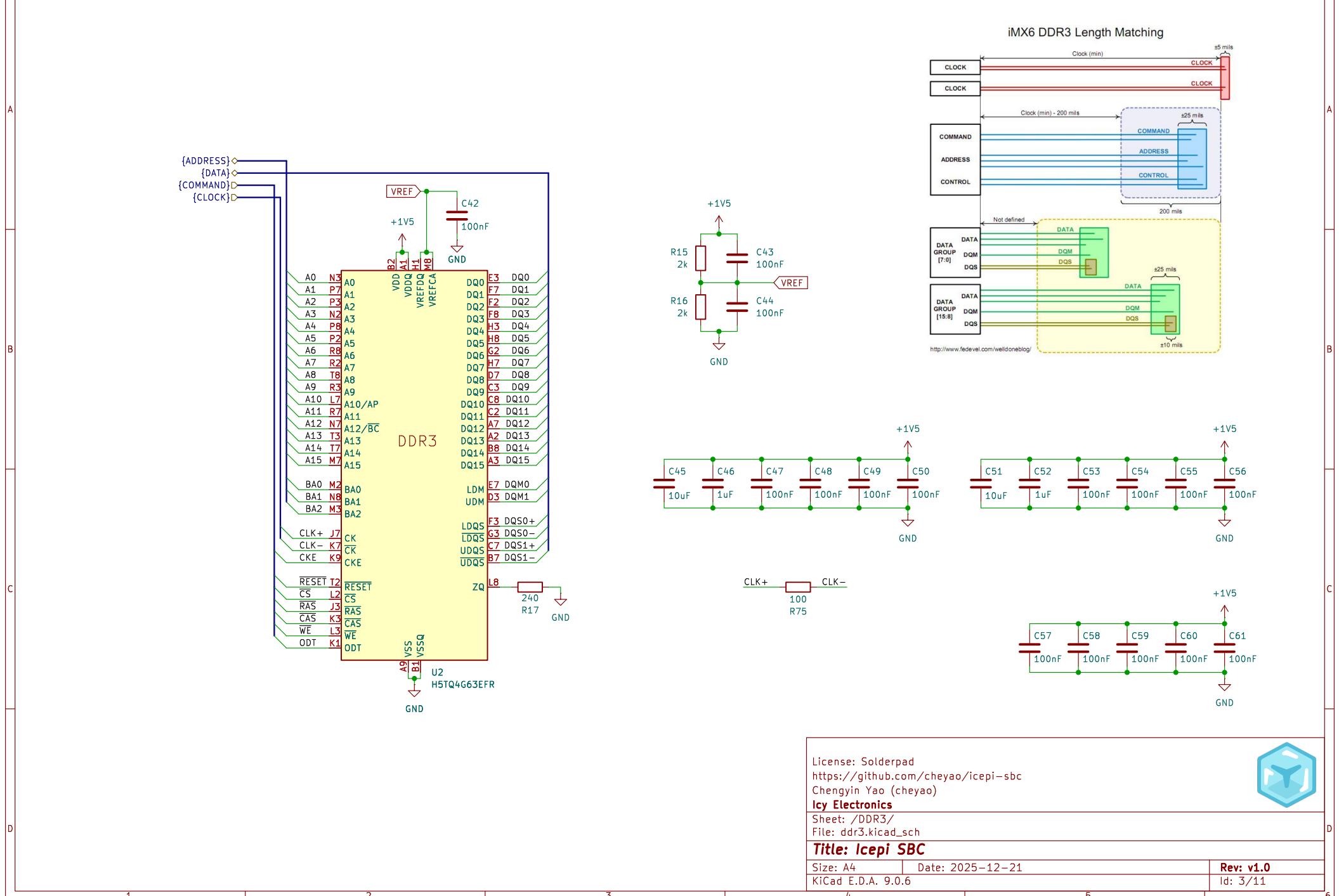
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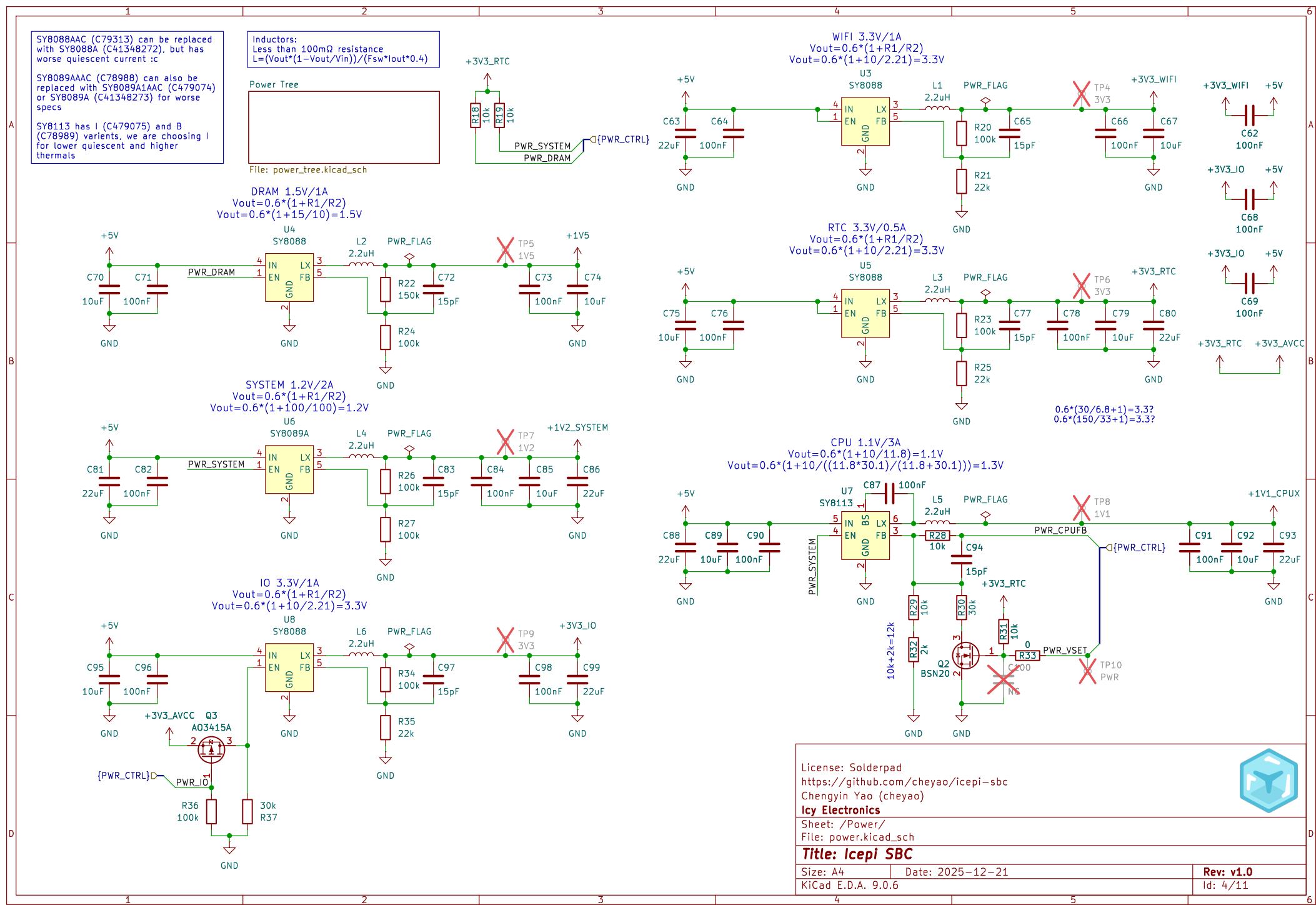
Rev: v1.0

Id: 1/11



1 2 3 4 5 6





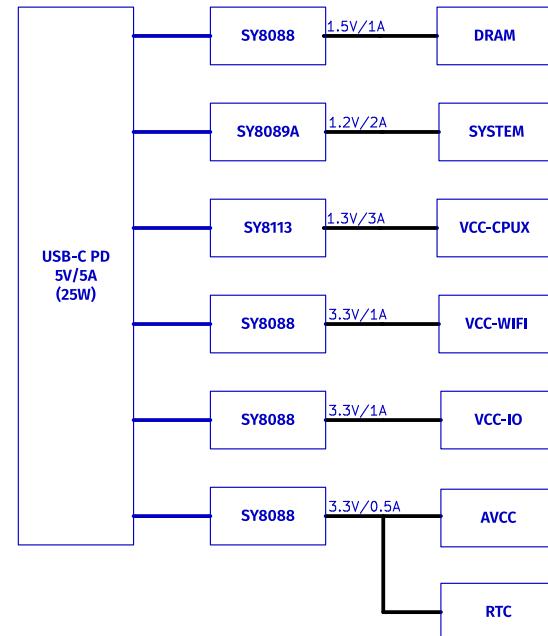
Power Tree

VCC-IO	3.3v
AVCC	3.3v
VCC-RTC	3.3v
VCC3V-PLL	3.3v
VCC3V-TV	3.3v
VCC-DRAM	1.5v
VDD-CPUX	1.3v
VDD1V1-EPHY	1.2v
VDD1V2-SYS	1.2v

SY8088	1A	1.5MHz
SY8089A	2A	1MHz
SY8113B	3A	0.5MHz

H3 Debugging Guide

Choose based on current to optimize inductor values



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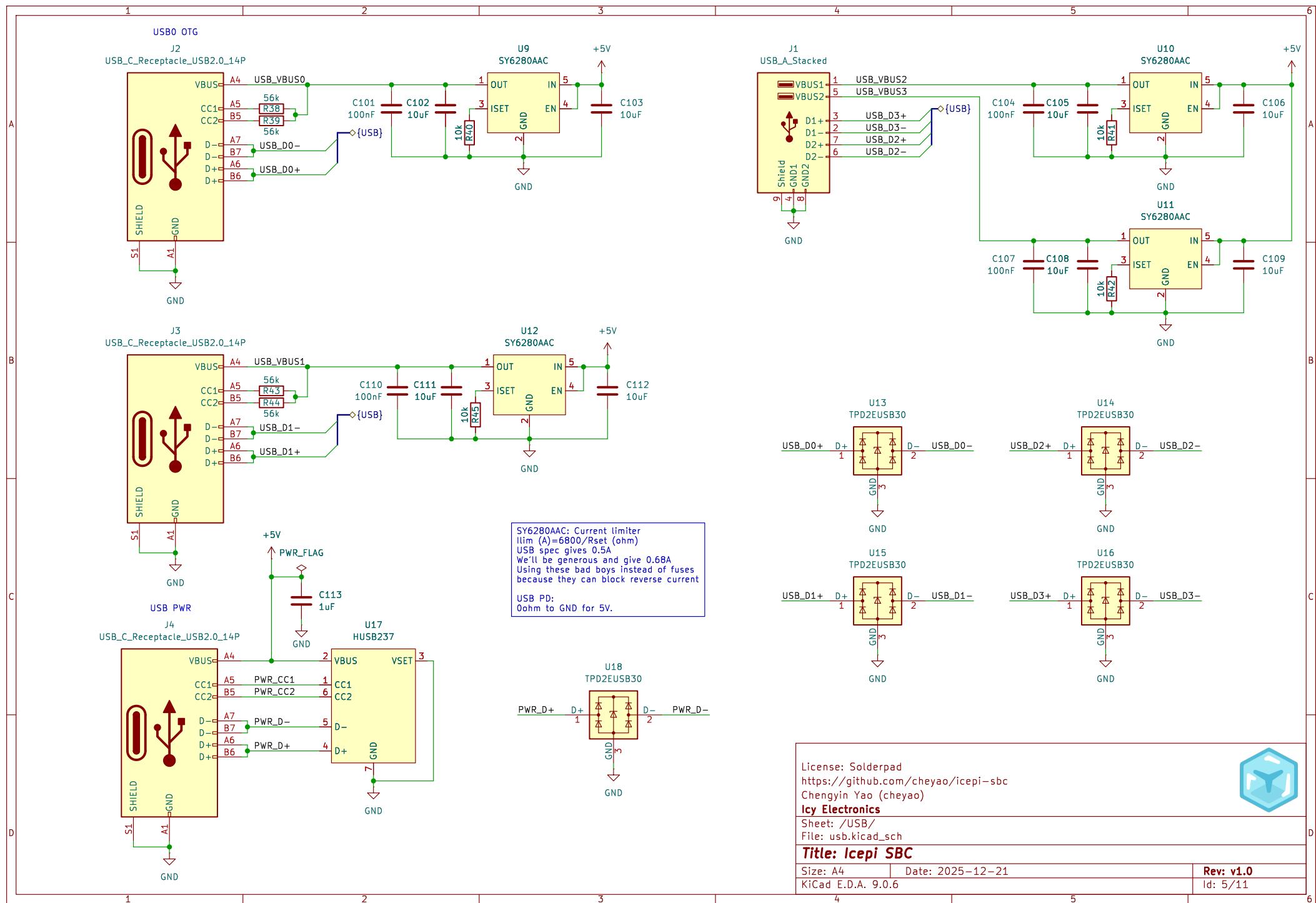
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Title: Icepi SBC

Size: A4	Date: 2025-12-21
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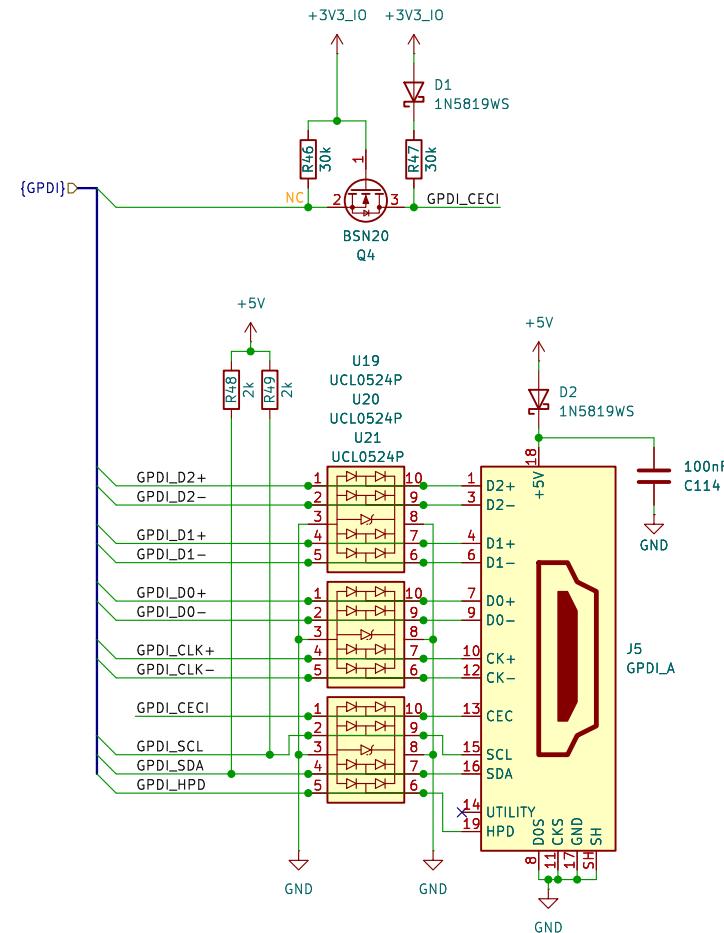
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Title: Icepi SBC

Size: A4 Date: 2025-12-21
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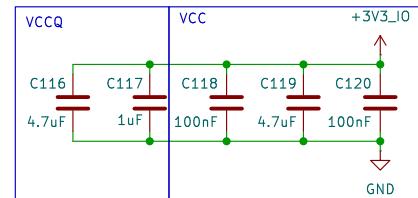
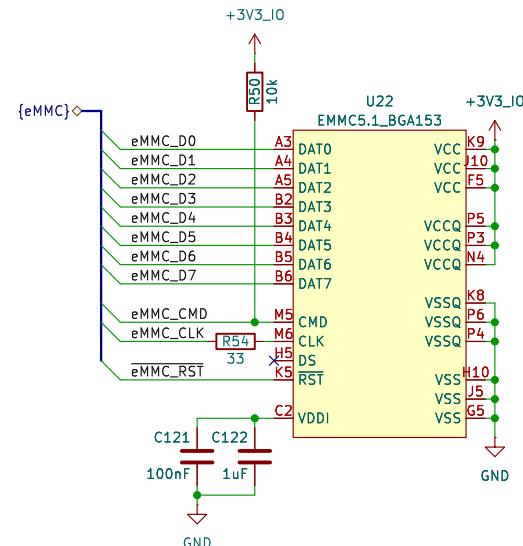
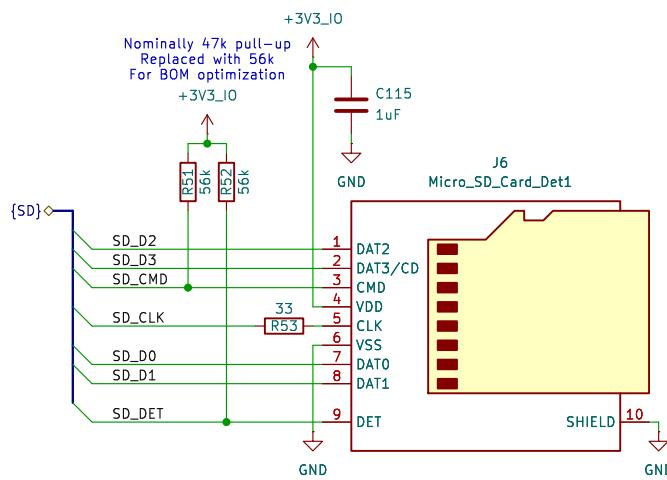
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Title: Iceni SBC

Size: A4 Date: 2025-12-21

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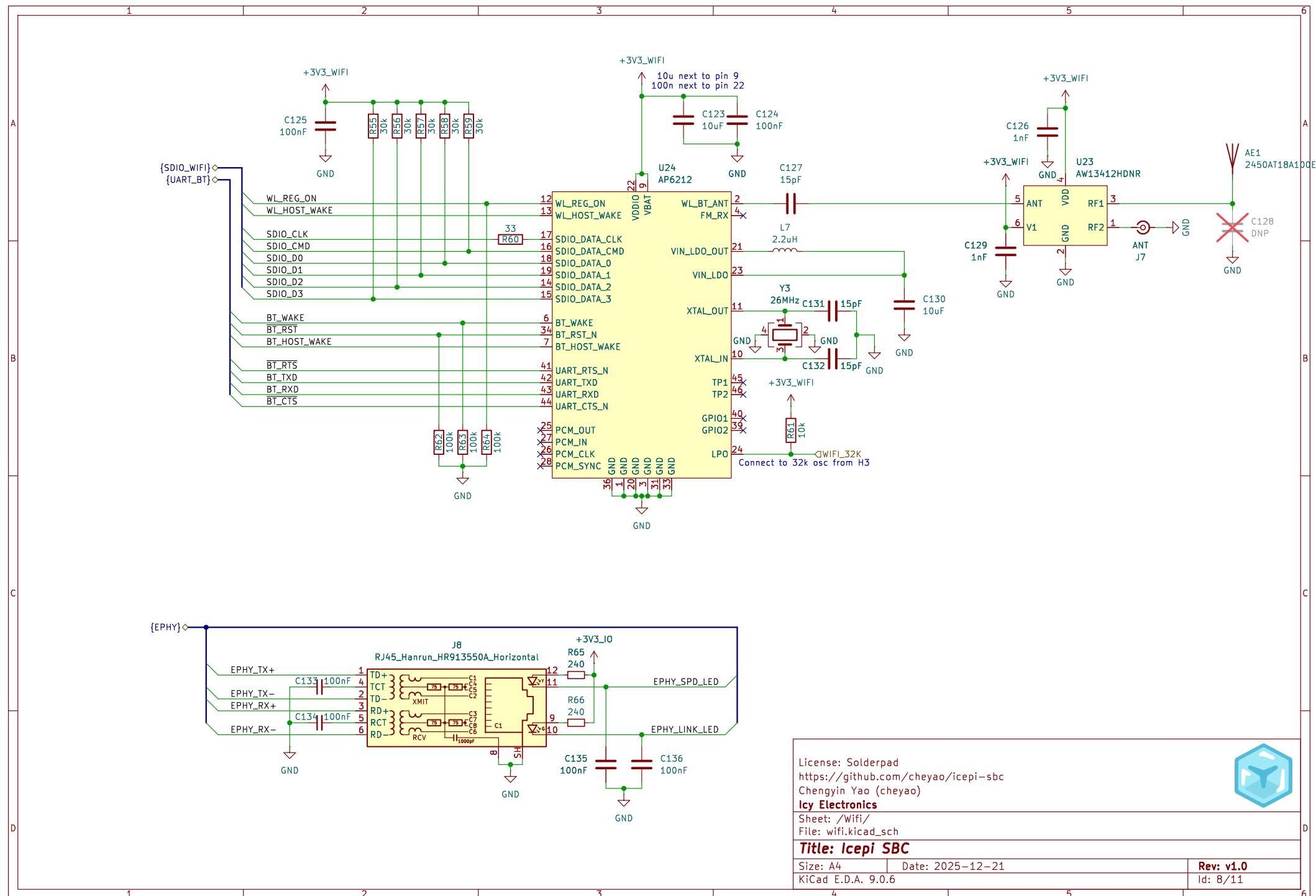
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[Image]

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Sheet: / Storage/
File: storage.kicad_sch

Title: Icepi SBC

Size: A4 Date: 2025-12-21



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Sheet: /Wifi/
 File: wifi.kicad_sch

Title: Icepi SBC

Size: A4 Date: 2025-12-21
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Rev: v1.0
 Id: 8/11

1 2 3 4 5 6

A

A

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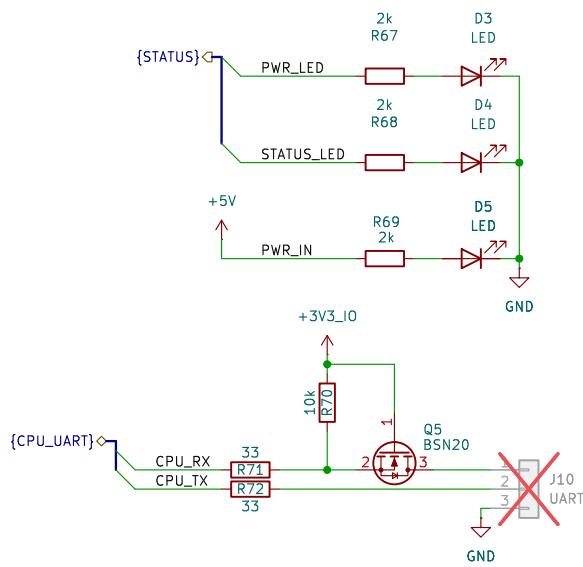
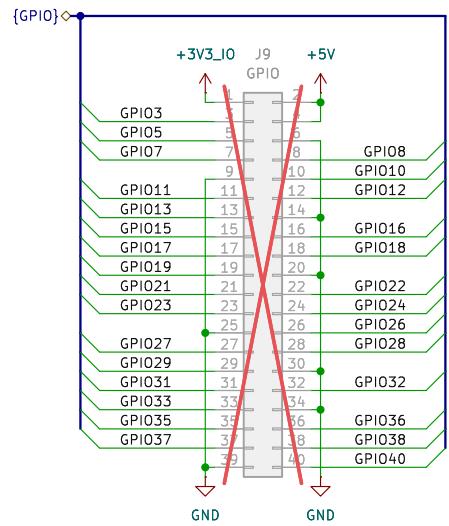
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Sheet: /GPIO/

File: gpio.kicad_sch

Title: Icepi SBC

Size: A4 Date: 2025-12-21

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Rev: v1.0

Id: 9/11

1 2 3 4 5 6

A

A

B

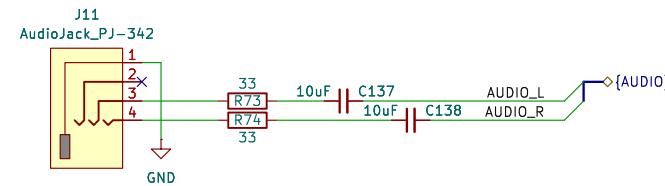
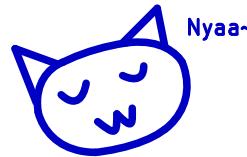
B

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C

D

D



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Sheet: /Audio/
File: audio.kicad_sch

Title: Icepi SBC

Size: A4 Date: 2025-12-21
KiCad E.D.A. 9.0.6



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Id: 10/11