

Icepi Zero

Maybe add a wifi module

Power

File: power.kicad_sch

~~H1~~
MountingHole

GPIO

File: gpio.kicad_sch

~~H2~~
MountingHole

USB

File: usb.kicad_sch

~~H3~~
MountingHole

SDRAM

File: sdram.kicad_sch

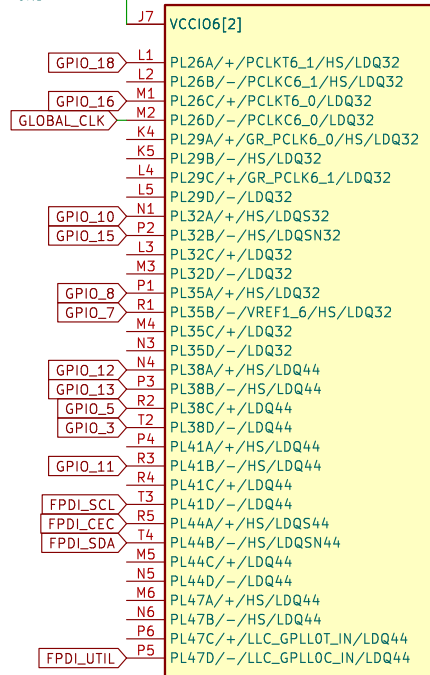
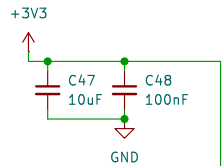
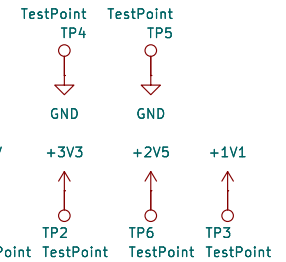
~~H4~~
MountingHole

Flash

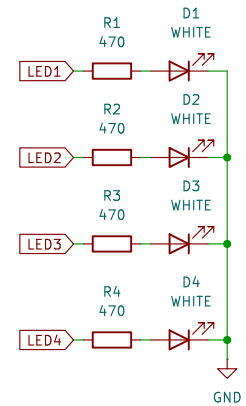
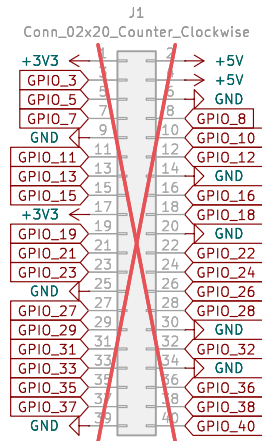
File: flash.kicad_sch

ECP5

File: ecp5.kicad_sch



U3F
ECP5U_12_CABGA256



<https://github.com/cheyao/icepi-zero>

Chengyin Yao (cheyao)

Sheet: /

File: icepi-zero.kicad_sch

Title: Icepi zero

Size: A4

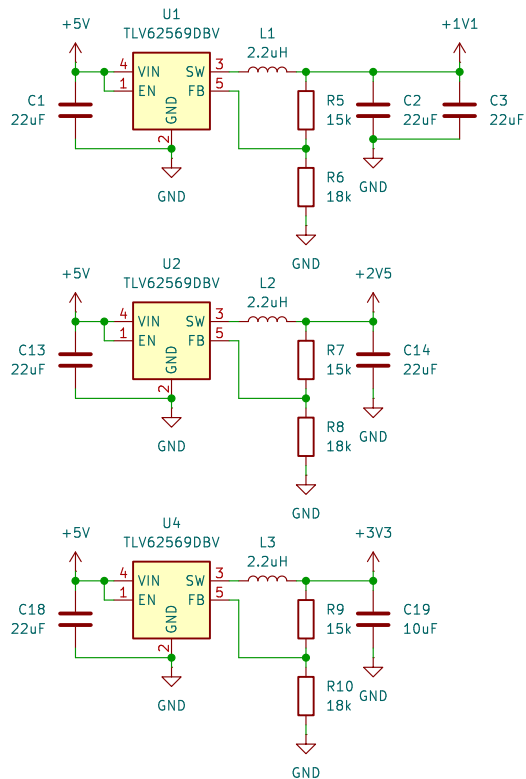
Date: 2025-05-04

KiCad E.D.A. 9.0.1

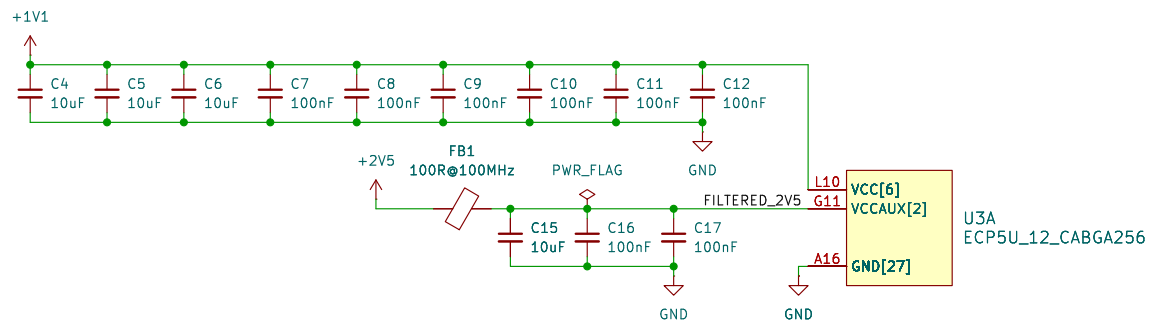
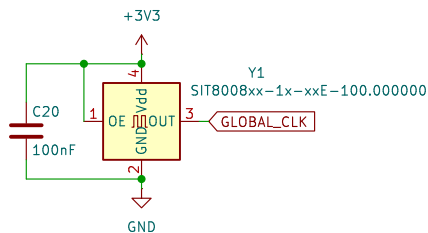
Rev: v1

Id: 1/7

Voltage Regulators



100MHz Clock



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Chengyin Yao (cheyao)

Sheet: /Power/

File: power.kicad_sch

Title: Icepi zero

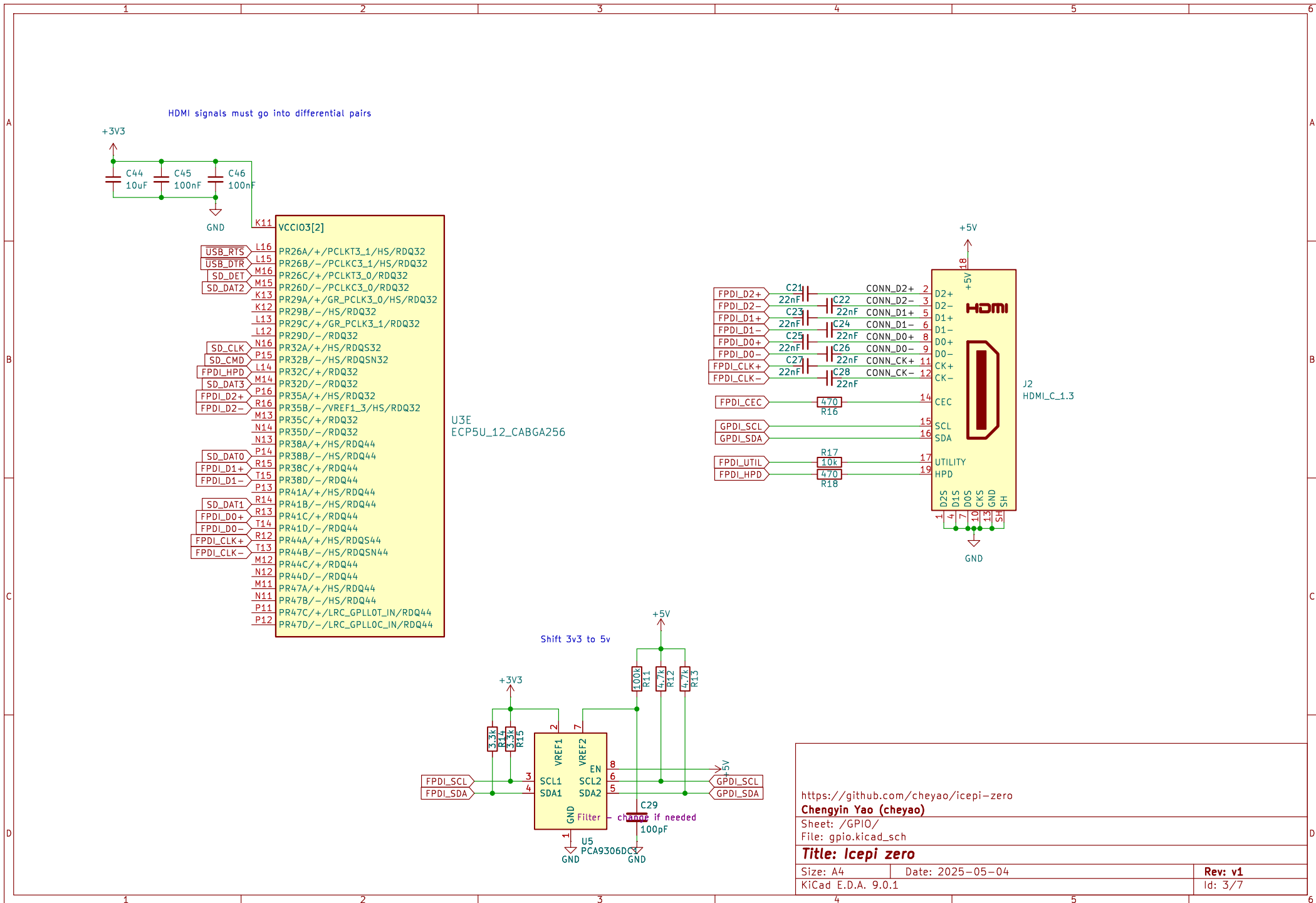
Size: A4

Date: 2025-05-04

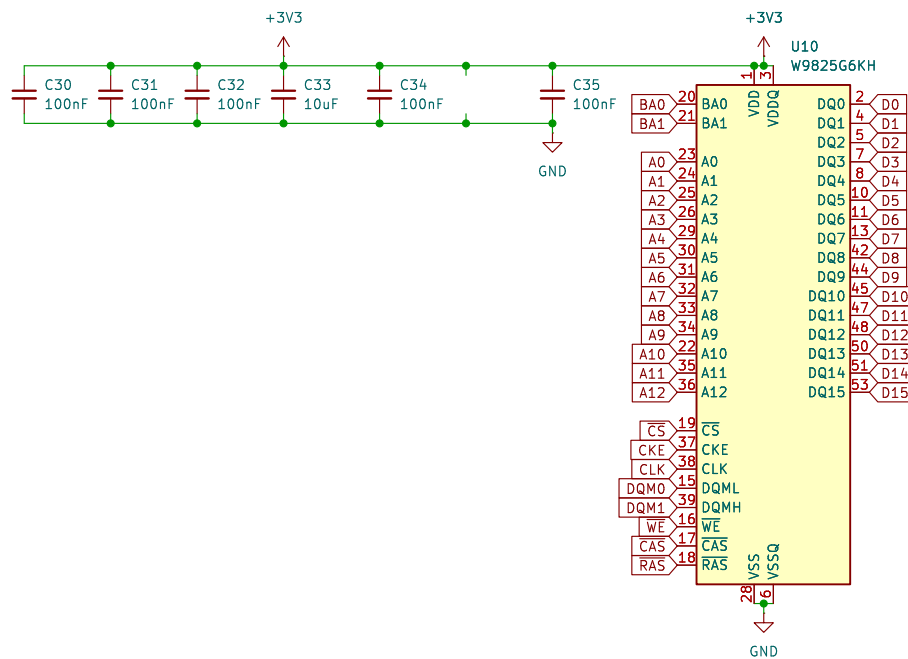
Rev: v1

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Id: 2/7



256MiB Memory
Can be replaced by digikey 512MiB Memory if I have the \$\$\$



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Chengyin Yao (cheyao)

Sheet: /SDRAM/

File: sdram.kicad_sch

Title: icepi zero

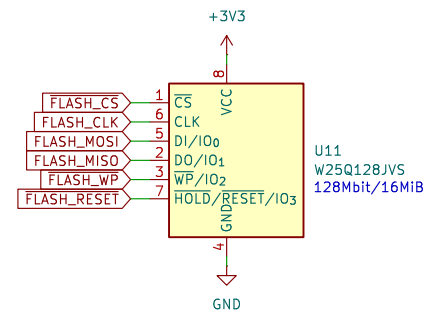
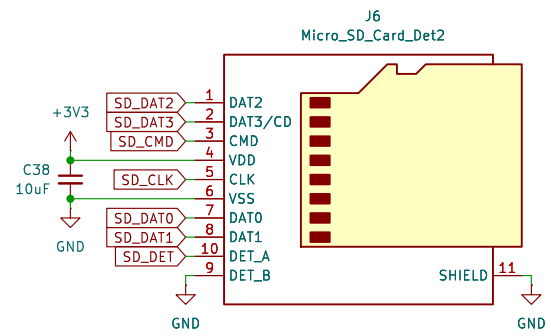
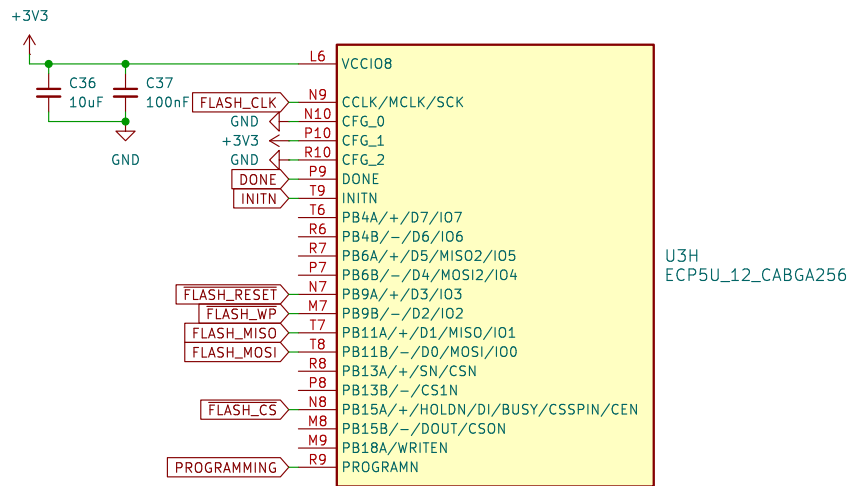
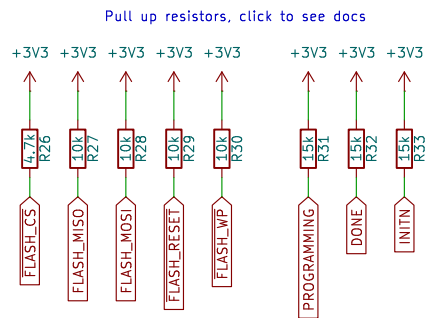
Size: A4

Date: 2025-05-04

Rev: v1

KiCad E.D.A. 9.0.1

Id: 5/7



<https://github.com/cheyao/icepi-zero>

Chengyin Yao (cheyao)

Sheet: /Flash/
File: flash.kicad_sch

Title: Icepi zero

Size: A4 Date: 2025-05-04

KiCad E.D.A. 9.0.1

Rev: v1

Id: 6/7

