

Icepi Zero

A

B

C

D

1 2 3 4 5 6

Power

H1  
MountingHole

H2  
MountingHole

H3  
MountingHole

H4  
MountingHole

File: power.kicad\_sch

File: gpio.kicad\_sch

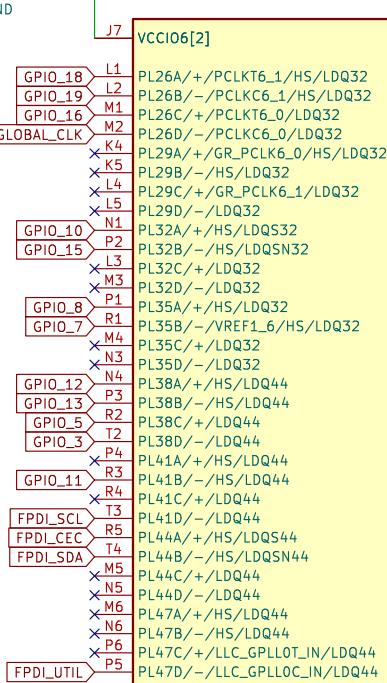
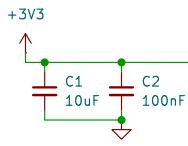
File: usb.kicad\_sch

File: sram.kicad\_sch

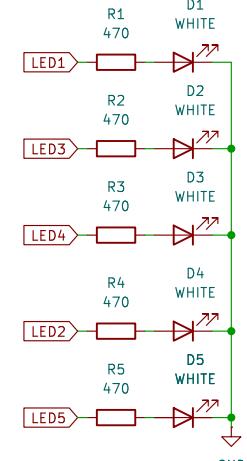
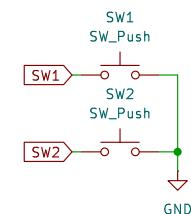
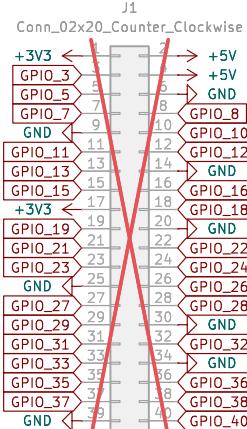
File: flash.kicad\_sch

File: ecp5.kicad\_sch

TestPoint  
TP1  
GND  
+5V  
TP3  
TestPoint  
TP4  
GND  
+3V3  
TP5  
TestPoint  
TP6  
GND  
+2V5  
TP1  
TestPoint  
TP2  
+1V1  
TP6  
TestPoint



J1  
Conn\_02x20\_Counter\_Clockwise  
**U1F ECP5U\_25F CABGA256**



<https://github.com/cheyao/icepi-zero>  
Chengyin Yao (cheyao)

Sheet: /  
File: icepi-zero.kicad\_sch

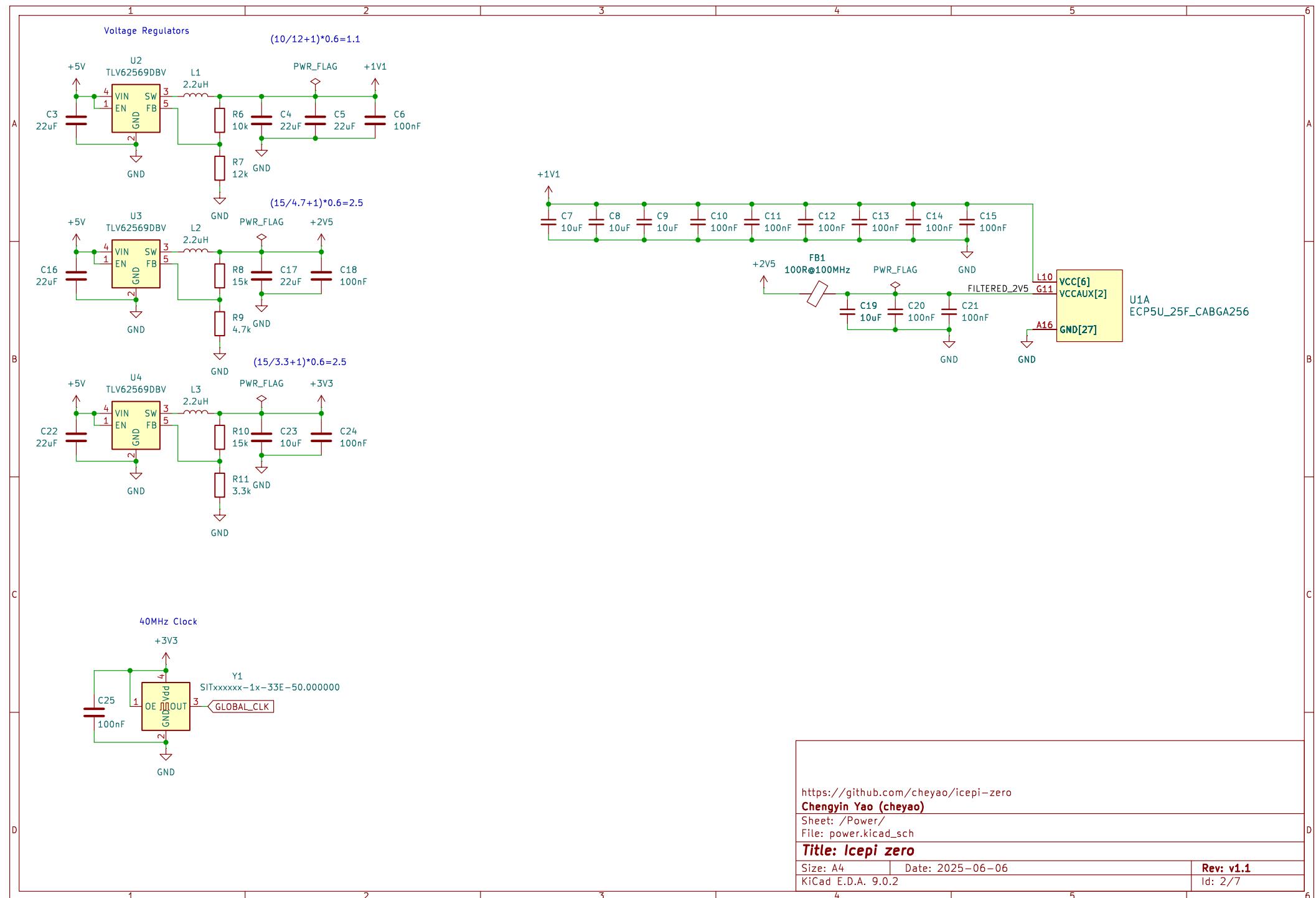
**Title: Icepi zero**

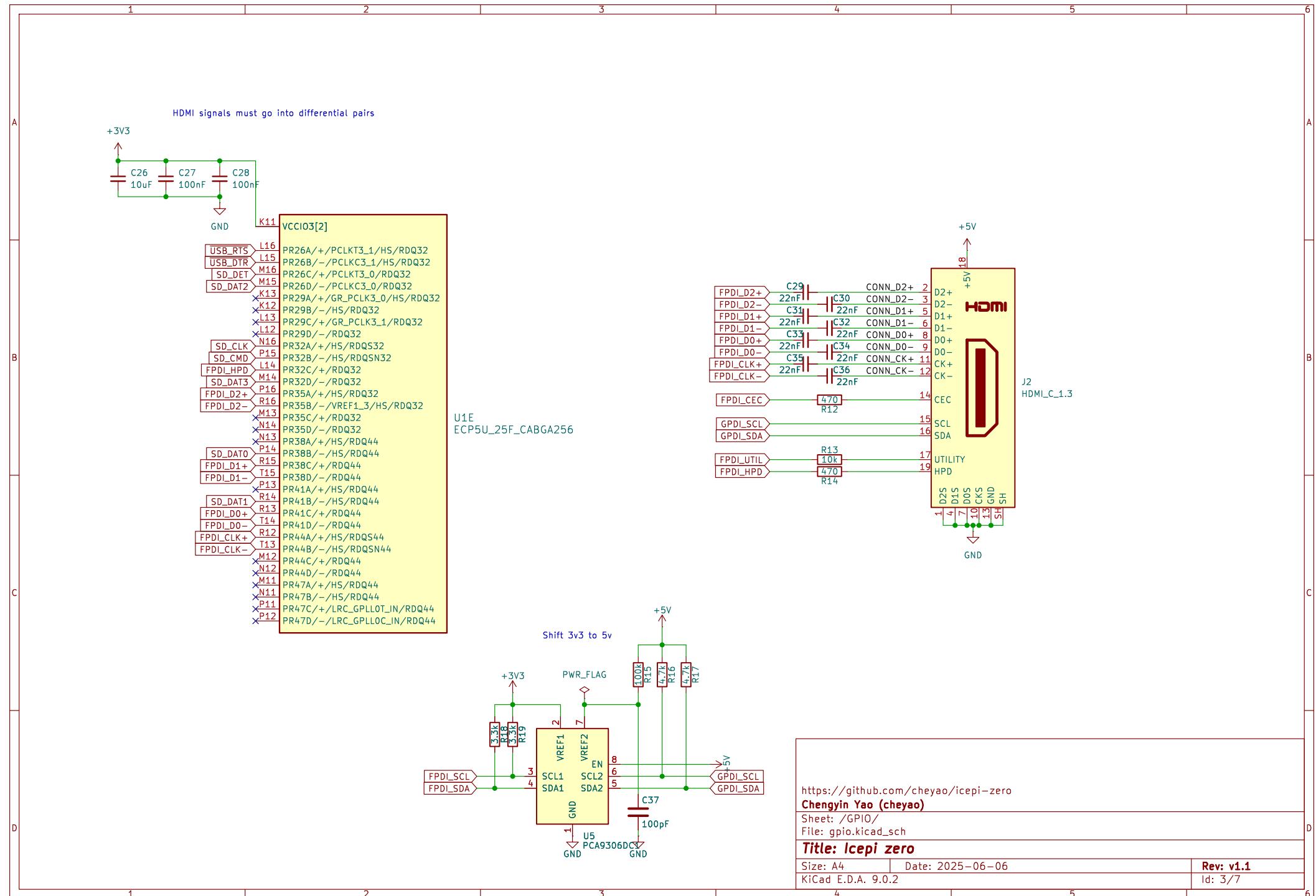
Size: A4 Date: 2025-06-06

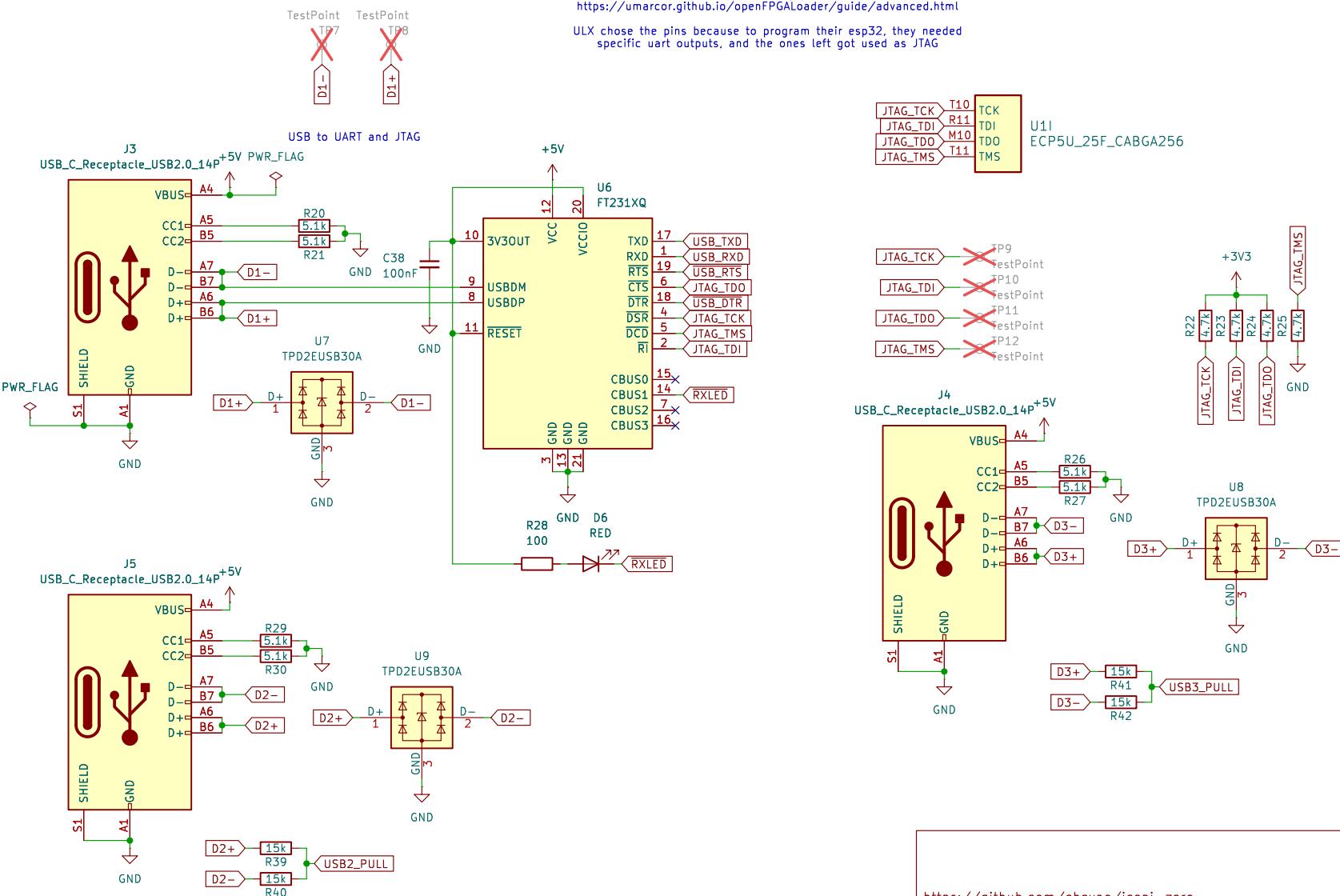
KiCad E.D.A. 9.0.2

**Rev: v1.1**

Id: 1/7







<https://github.com/cheyao/icepi-zero>  
**Chengyin Yao (cheyao)**

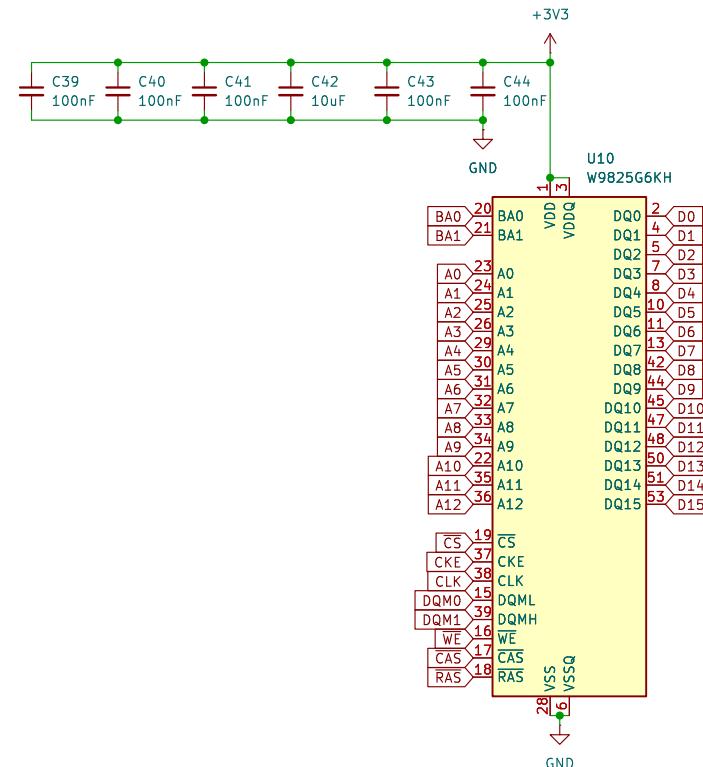
Sheet: /USB/  
File: usb.kicad\_sch

**Title: Icepi zero**

Size: A4 Date: 2025-06-06  
KiCad E.D.A. 9.0.2

**Rev: v1.1**  
Id: 4/7

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



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

Chengyin Yao (chevao)

Sheet: /SDRAM/

File: sdram.kicad\_sch

Title: Icepi zero

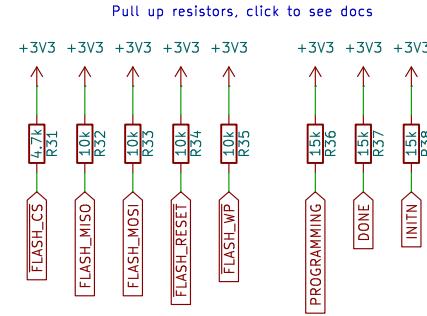
Size: A4 Date: 2025-06-06

KiCad E.D.A. 9.0.2

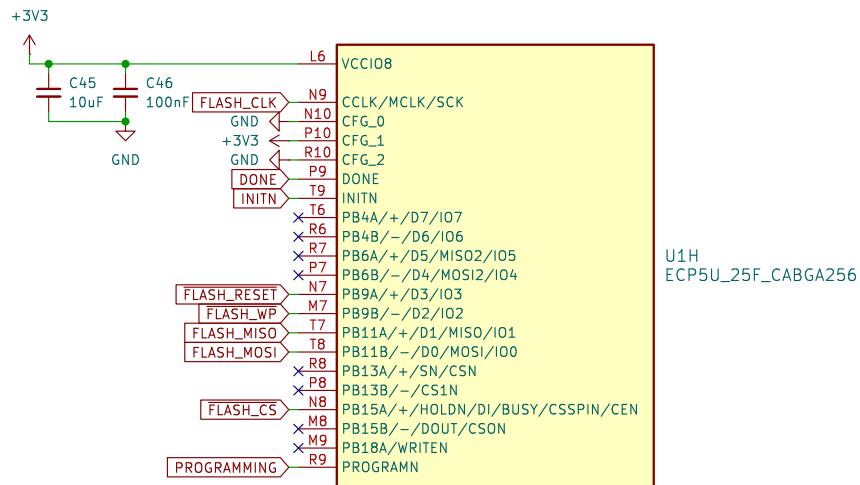
Rev: v1.1

Id: 5/7

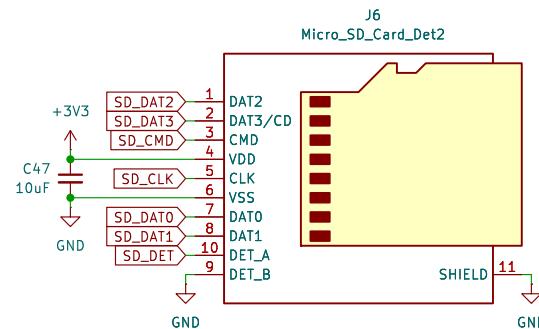
A



B



C



D

<https://github.com/cheyawo/icepi-zero>  
Chengyin Yao (cheyawo)

Sheet: /Flash/  
File: flash.kicad\_sch

Title: Icepi zero

Size: A4      Date: 2025-06-06  
KiCad E.D.A. 9.0.2

Rev: v1.1  
Id: 6/7

