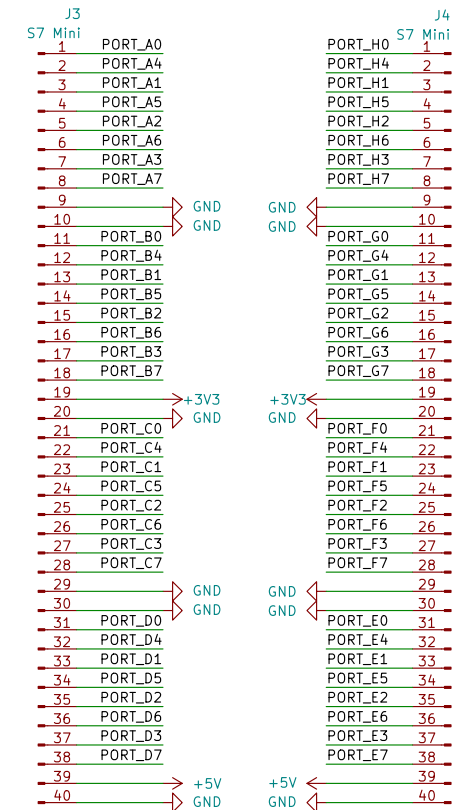


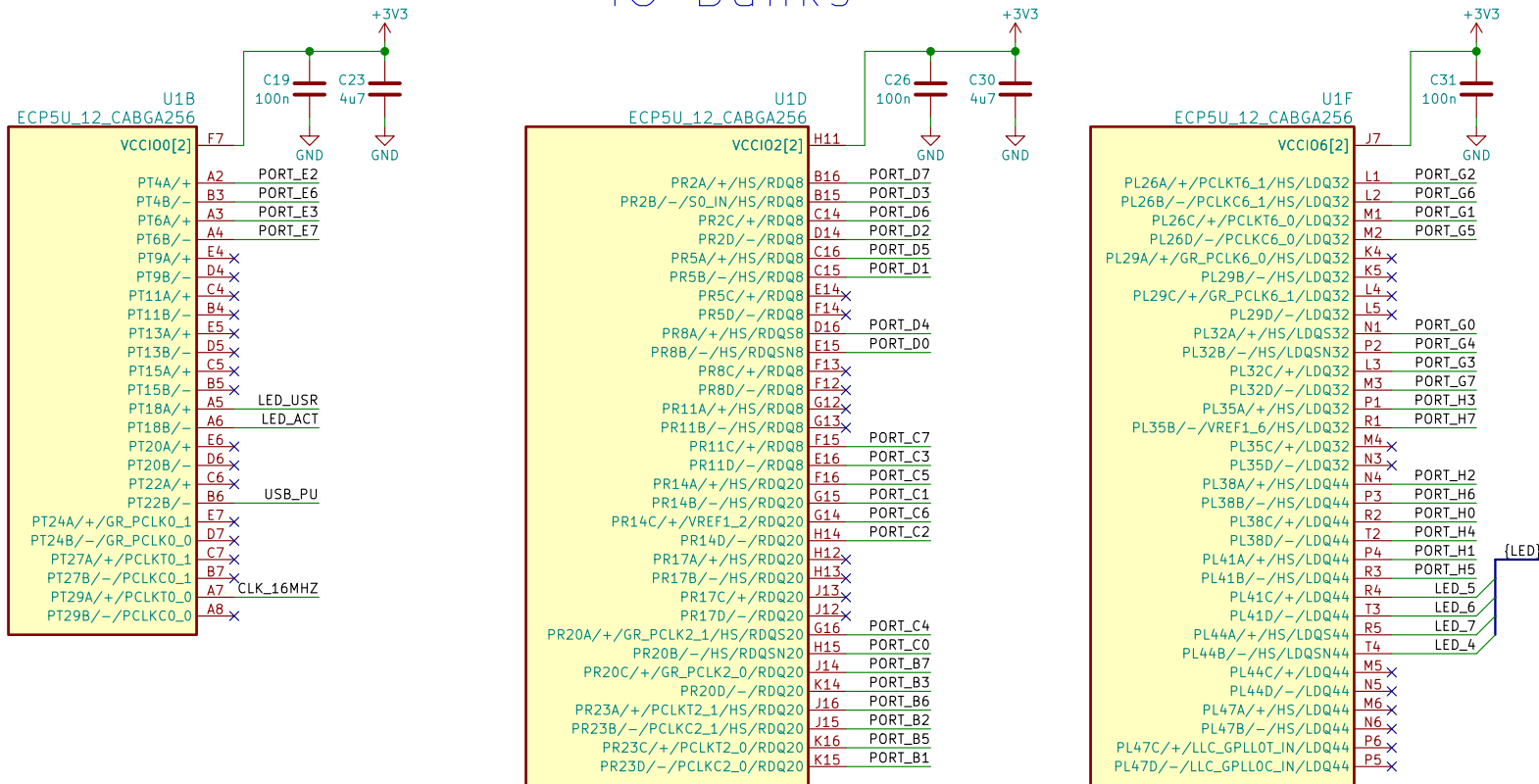
ECP5 Mini

Following Black Mesa Lab's "S7 Mini" form factor

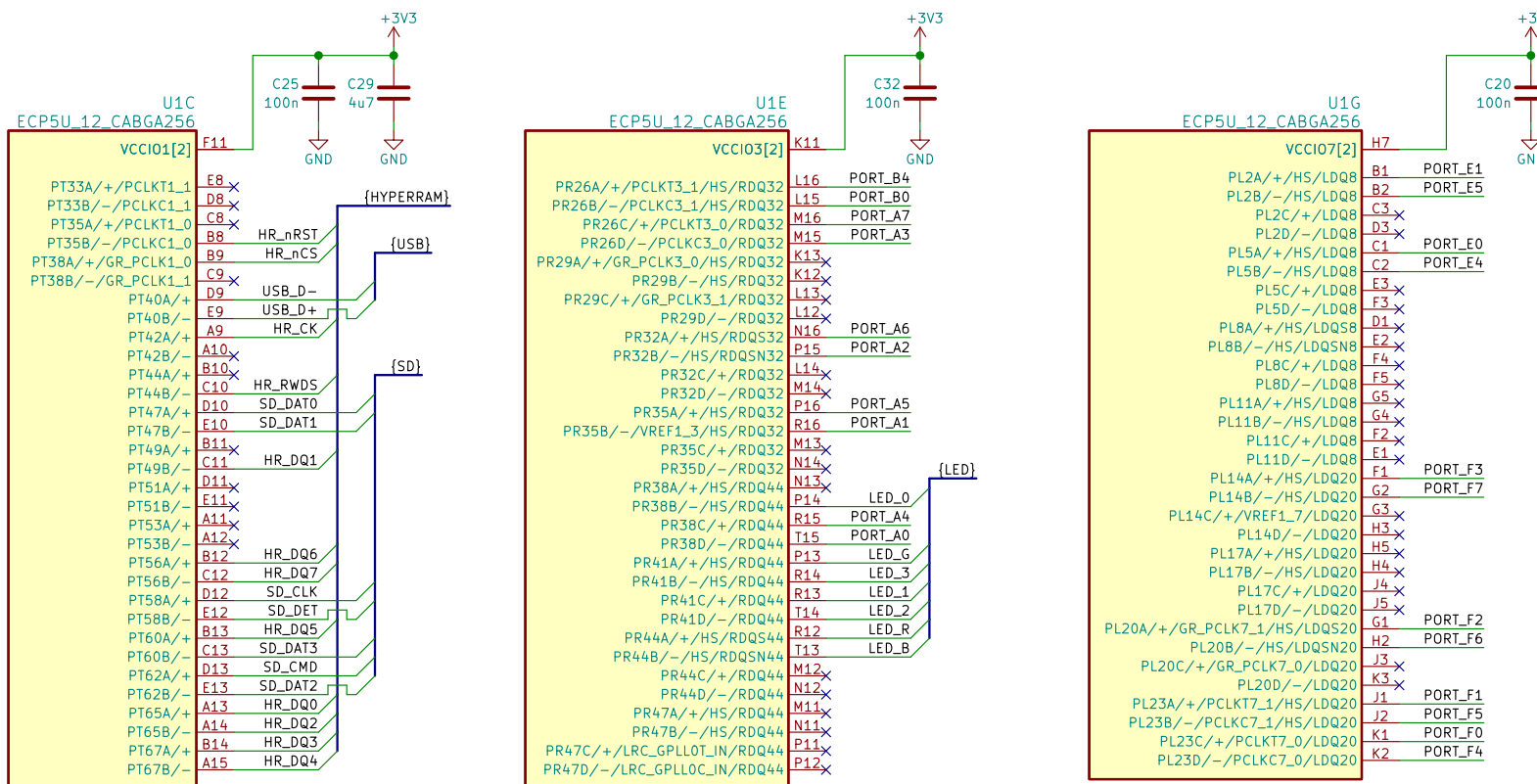
Breakout Pins



IO Banks

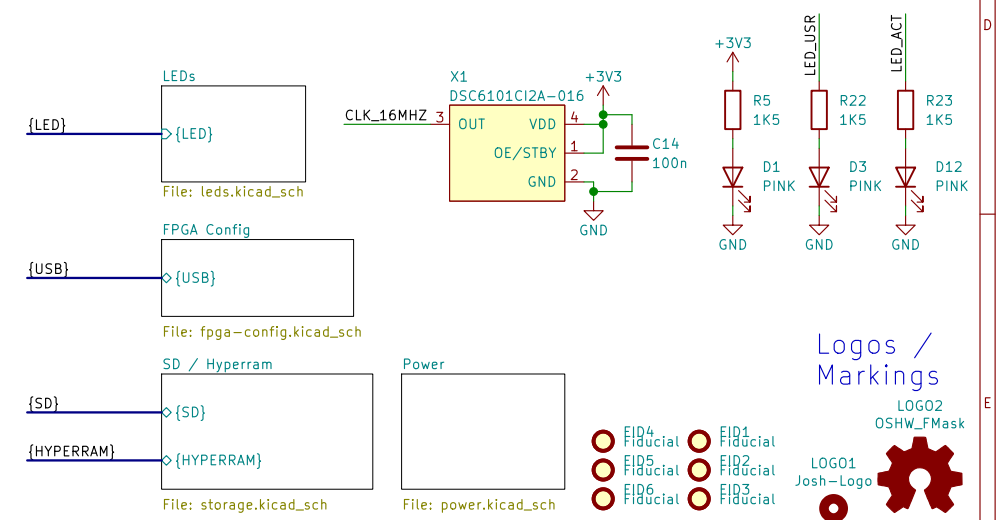


Sub Sections



Status LEDs

CDONE LED on config sheet



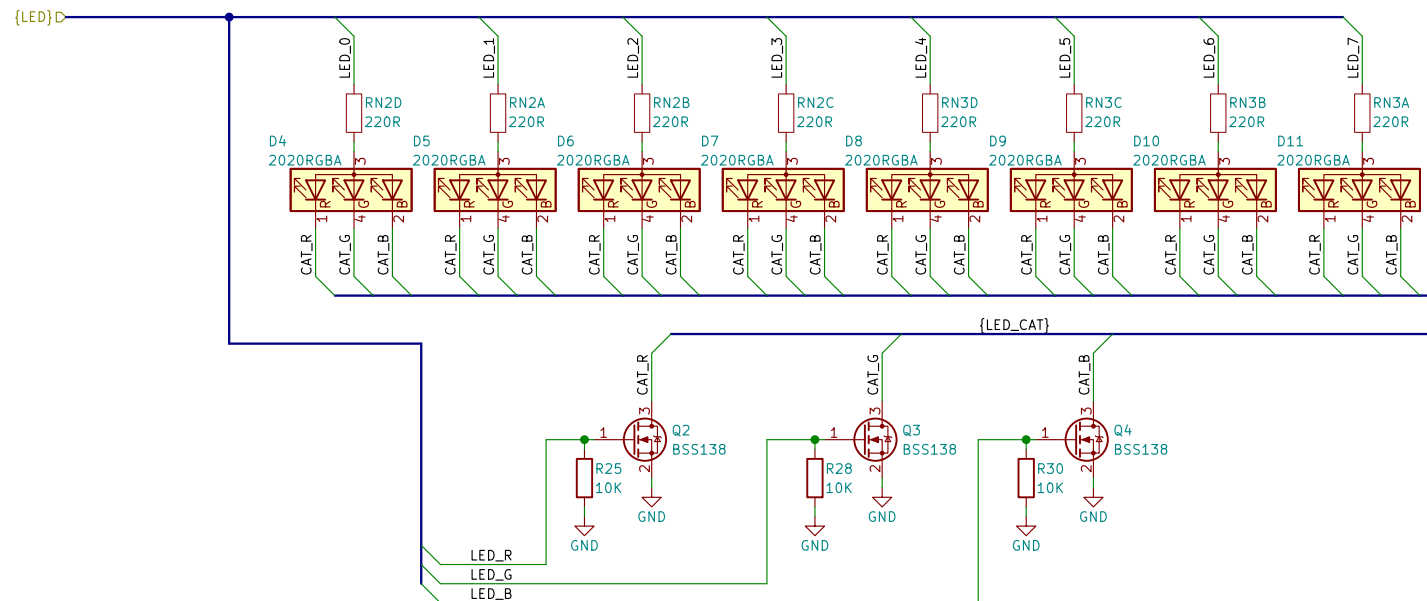
Logos / Markings



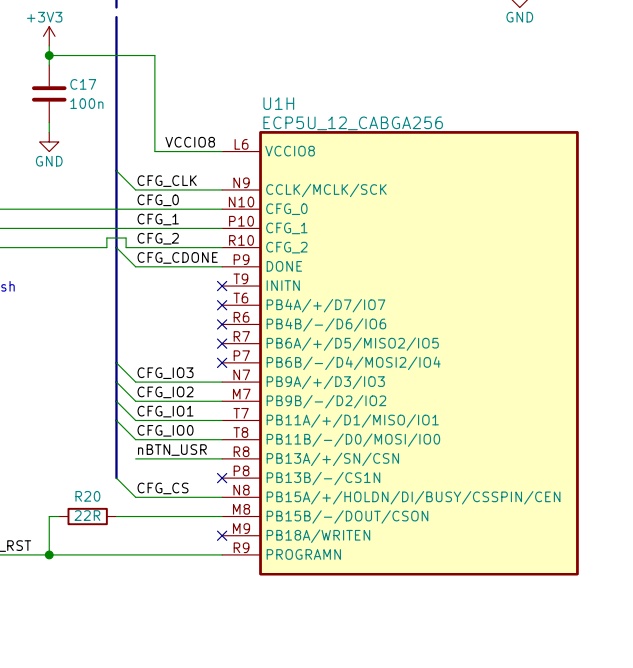
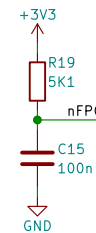
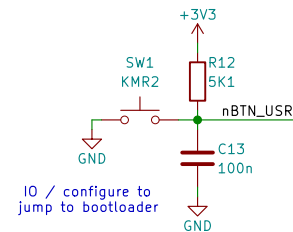
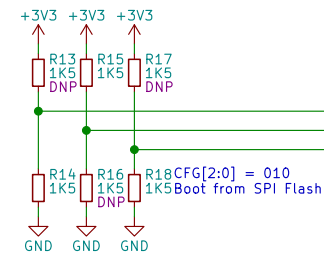
LENGTH MATCHING:
id: USB
netnames: "/USB_D*" tolerance: 1.27 mm
viallength: 1.6 mm

LENGTH MATCHING:
id: hyperram
netnames: "/HR_*" tolerance: 1.27 mm
viallength: 1.6 mm

Sheet: / File: ecp5-mini.kicad_sch		
Title:		
Size: A3	Date:	Rev:
KiCad E.D.A. kicad 5.99.0-unknown-b1adb93c1106ubuntu20.04.1		
Id: 1/5		

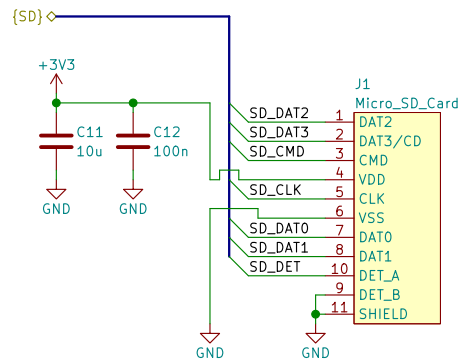


Sheet: /LEDs/ File: leds.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 5.99.0-unknown-b1adb93c1106ubuntu20.04.1		Id: 2/5

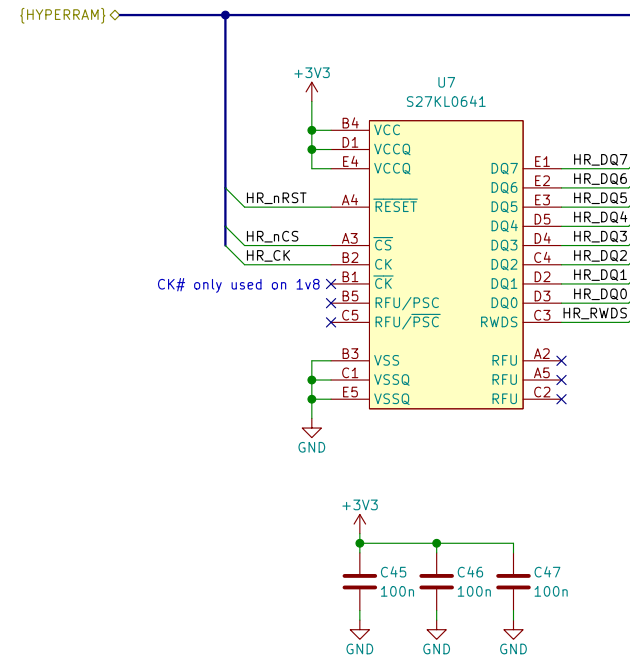


Rev:
Id: 3/5

Micro SD Card



Hyperram



Sheet: /SD / Hyperram/
File: storage.kicad_sch

Title:

Size: A4

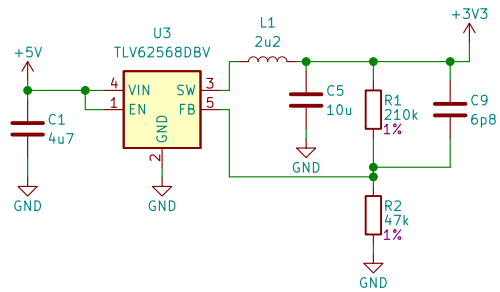
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Rev:

Id: 4/5

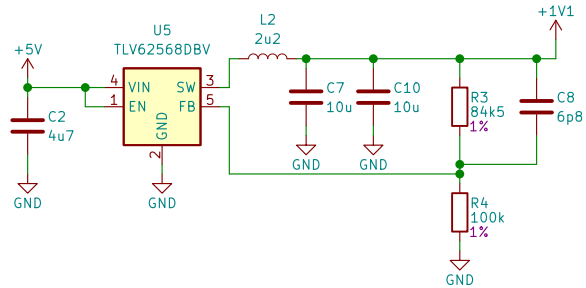
Power Supply



$$V_{out} = 0.6V * (1 + R1/R2)$$

$$3v28 = 0.6 * (1 + 210k/47k)$$

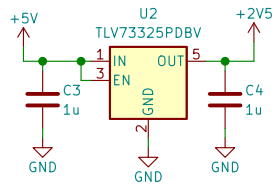
$$3v3 @ 1A$$



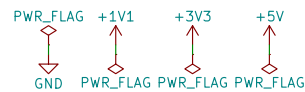
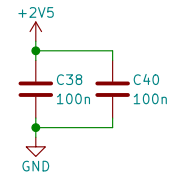
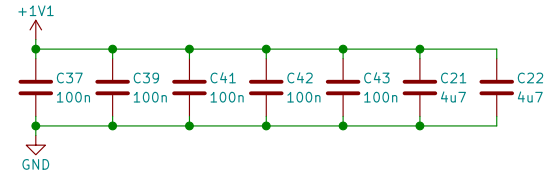
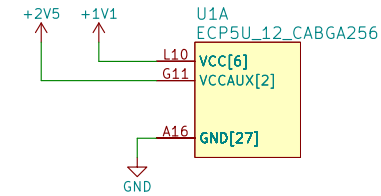
$$V_{out} = 0.6V * (1 + R1/R2)$$

$$1v11 = 0.6 * (1 + 84k5/100k)$$

$$1v1 @ 1A$$



VCore



Sheet: /Power/
File: power.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad 5.99.0-unknown-b1adb93c1106ubuntu20.04.1

Rev:

Id: 5/5