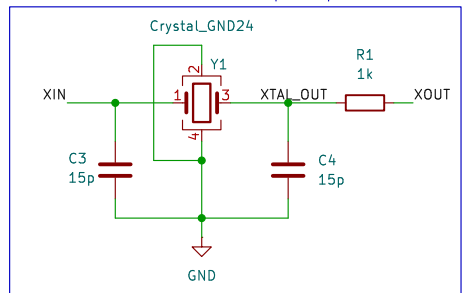
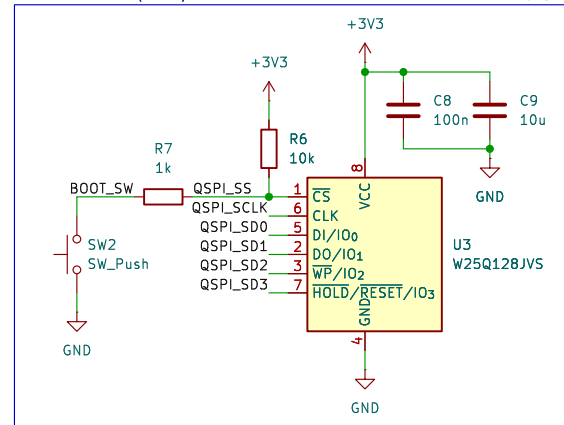


Oscillator

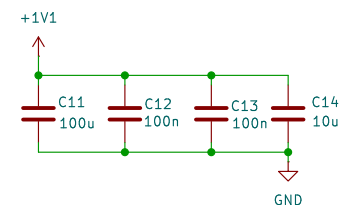


14 pF = 2 * (10 - 3) pF
Load cap of 10p from datasheet
Parasitic cap of 3p
Used 15p as it is more common

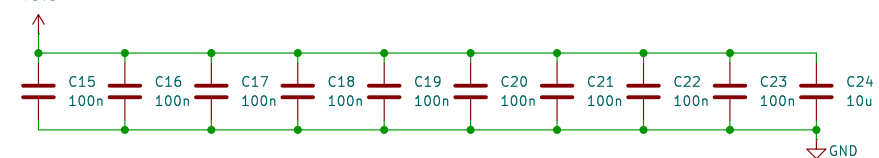
Quad SPI Flash (16MB)



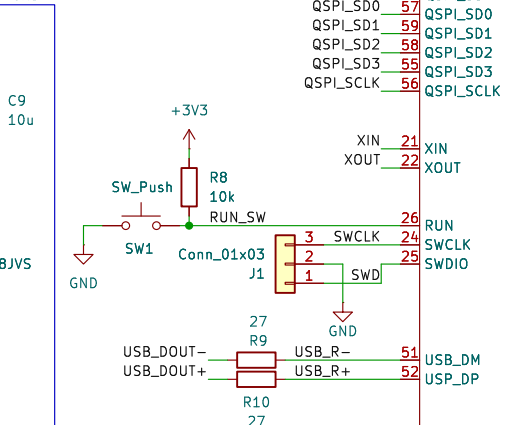
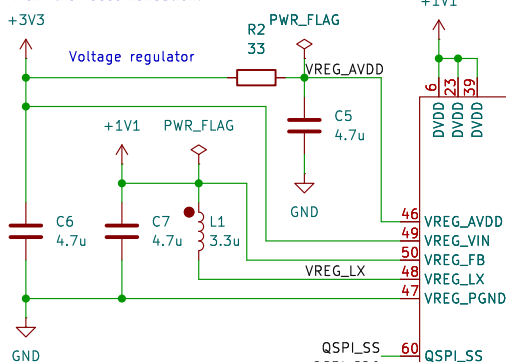
CS pulled low on button for USB flashing



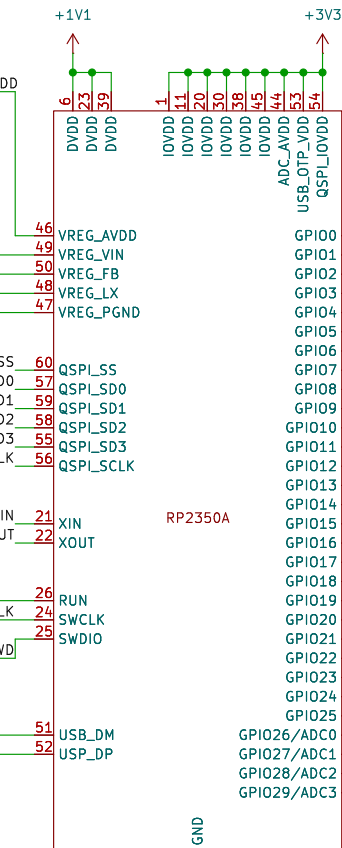
1x 100nF decoupling cap per VDD
+ 1x 10u bulk decoupling cap
+3V3



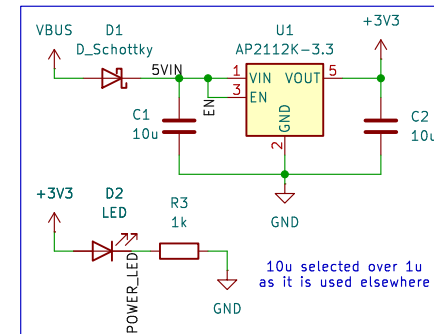
See RP2350 hardware design
Footprints and layout deviate from the recommendation.



USB impedance spec. 27 ohm
Based on 0.8mm traces with
only GND below

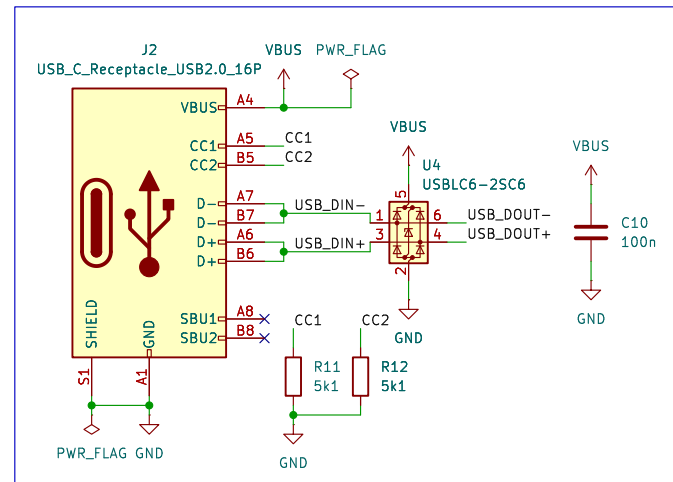


Voltage Regulator + indicator LED



10u selected over 1u
as it is used elsewhere

USB 2.0



Licensed under CERN-OHL-P v2 or later

Sheet: /
File: rp2350a_devkit.kicad_sch

Title: RP2350A Devkit

Size: A4 Date: 2025-06-18
KiCad E.D.A. 9.0.2

Rev: v1.0a
Id: 1/1