

POWER

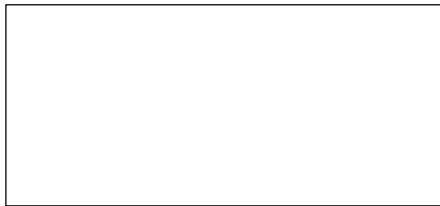


File: power.kicad_sch

TODO:

- [ok] fix button switch pins, center to boot0 pin
- [ok] fix usb host crystal footprint
- [ok] fix sd detect pins
- [ok] change screen size to larger screen (dual footprint perhaps? not yet)
- [ok] add choice resistor for U.Fl connector or SMD Antenna
- [ok] add missing battery switch charge diode
- change battery connector to vertical (smt?) type [pico blade?]
- [ok] change reset/boot buttons to side mounted

ESP32-S3



File: mcu.kicad_sch

INPUT



File: input.kicad_sch

Display

TODO:
Replace with Larger TFT Display.
1.14" -> 1.44" [DONE]

File: Display.kicad_sch

STORAGE

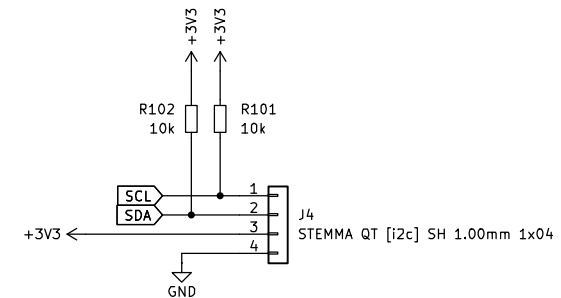


File: storage.kicad_sch

HostUSB



File: hostUSB.kicad_sch



Sheet: /
File: DN_Key_Pro_v0_stim.kicad_sch

Title:

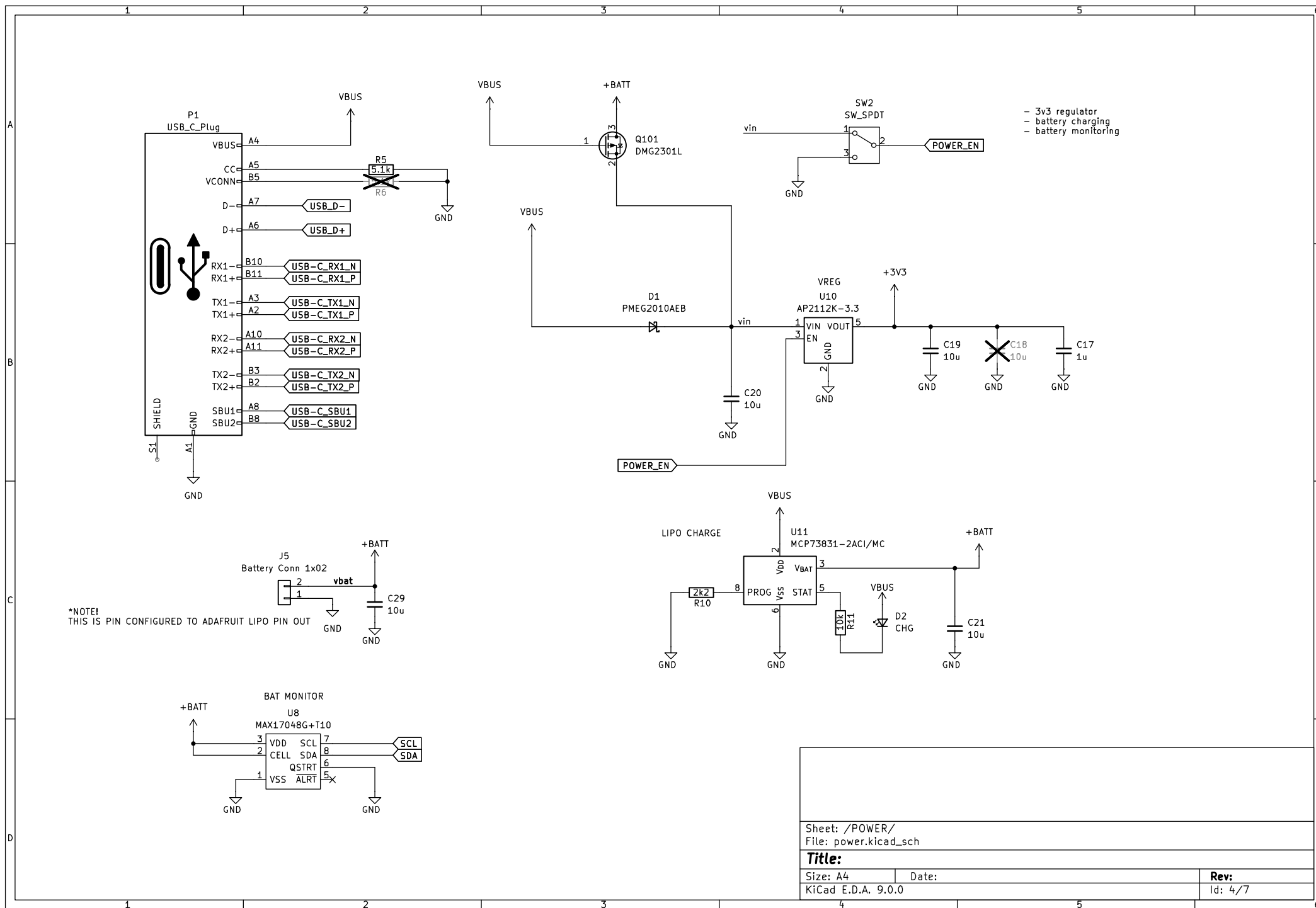
Size: A4

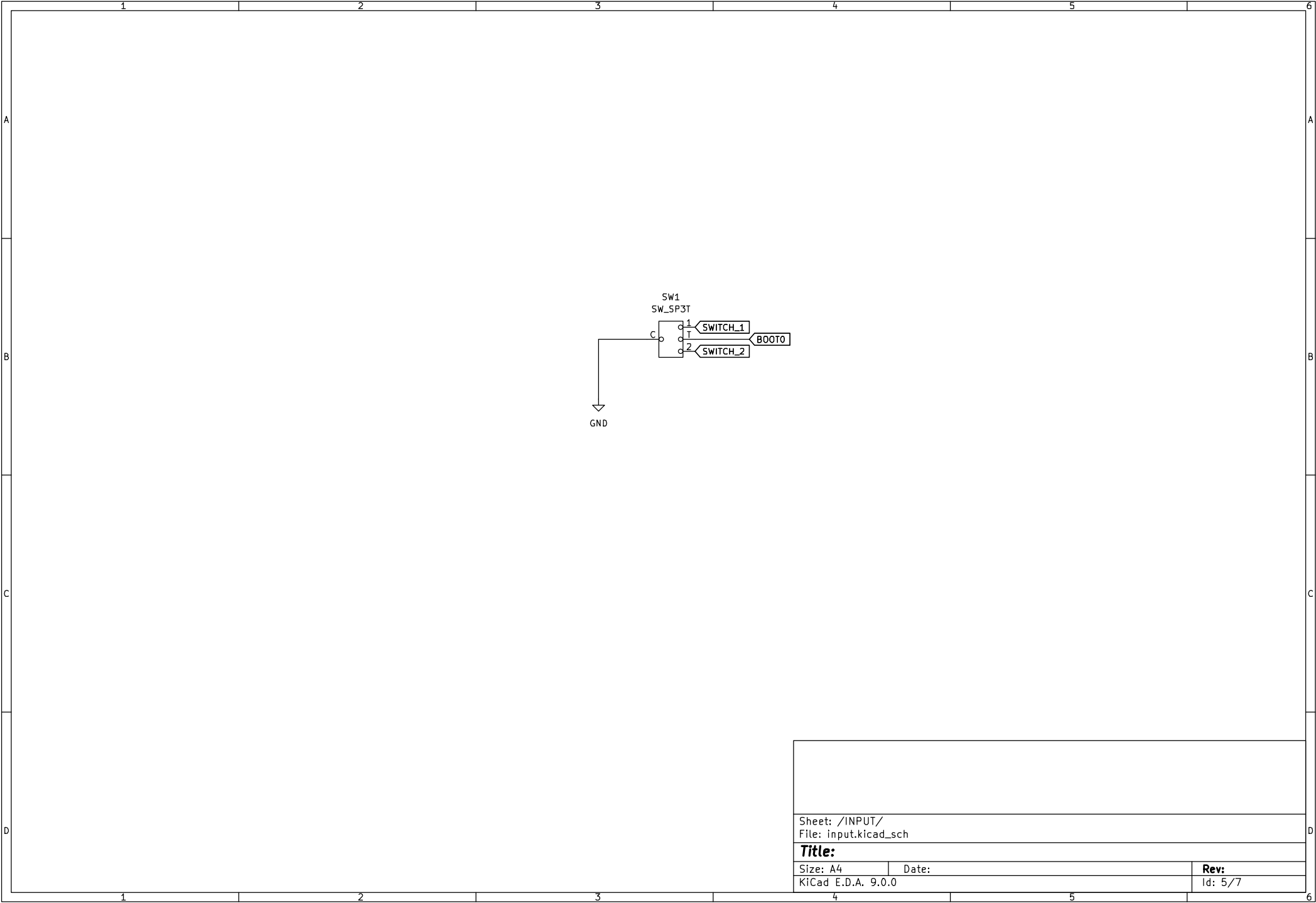
Date:

KiCad E.D.A. 9.0.0

Rev:

Id: 1/7





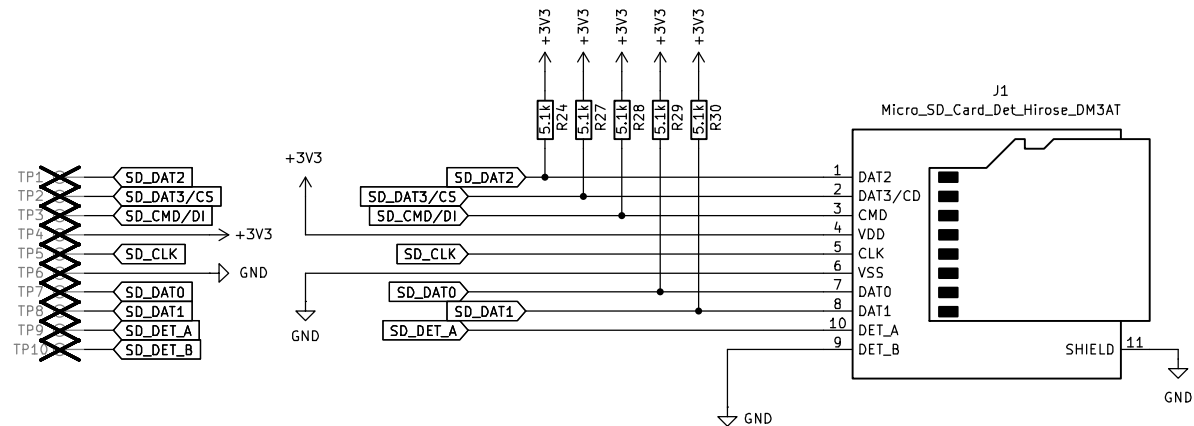
Sheet: /INPUT/
File: input.kicad_sch

Title:

Size: A4
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Date:

Rev:
Id: 5/7



Note:
SD DET_A and DET_B are to complete a circuit like two poles of a switch.
Connect DET_B to GND
Connect DET_A to GPIO as input with pullup.

For SPI Only:
pin2 = CS [dat3/cd]
pin3 = DI [cmd]
pin4 = VDD
pin5 = SCLK [clk]
pin6 = VSS
pin7 = DO [d0]

Sheet: /STORAGE/
File: storage.kicad_sch

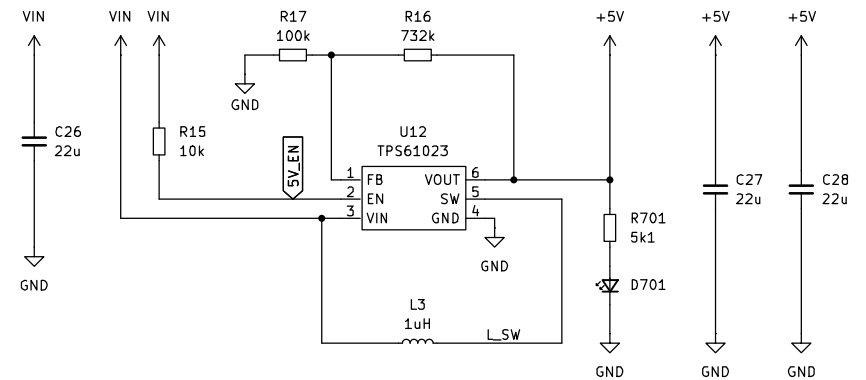
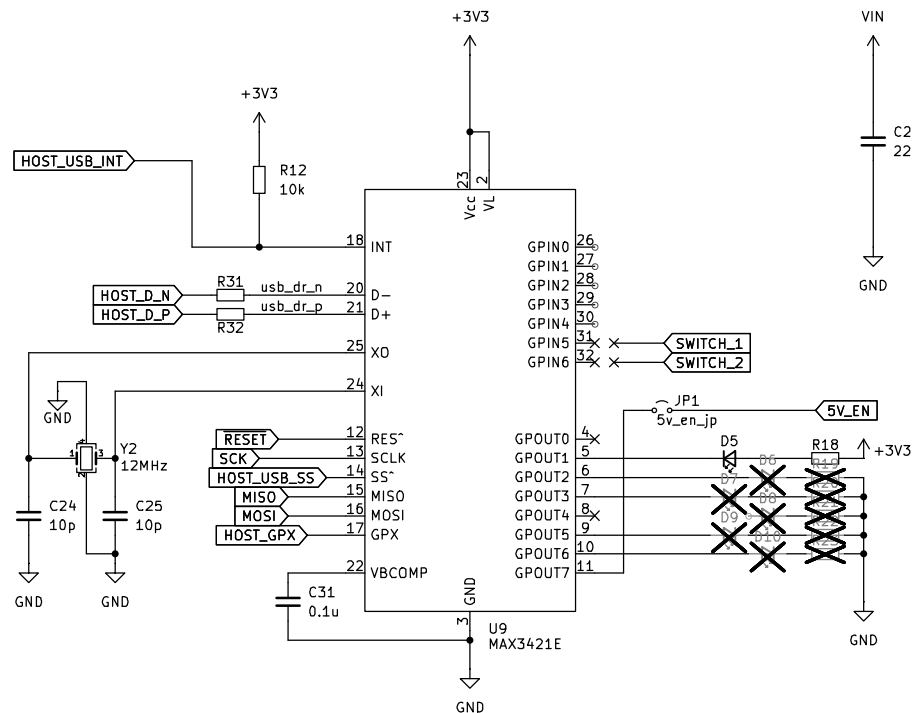
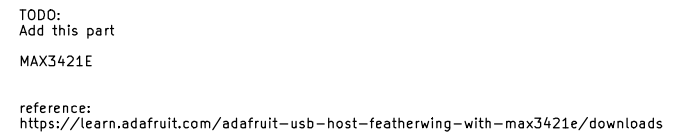
Title:

Size: A4 Date:

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Id: 6/7



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Id: 7/7

