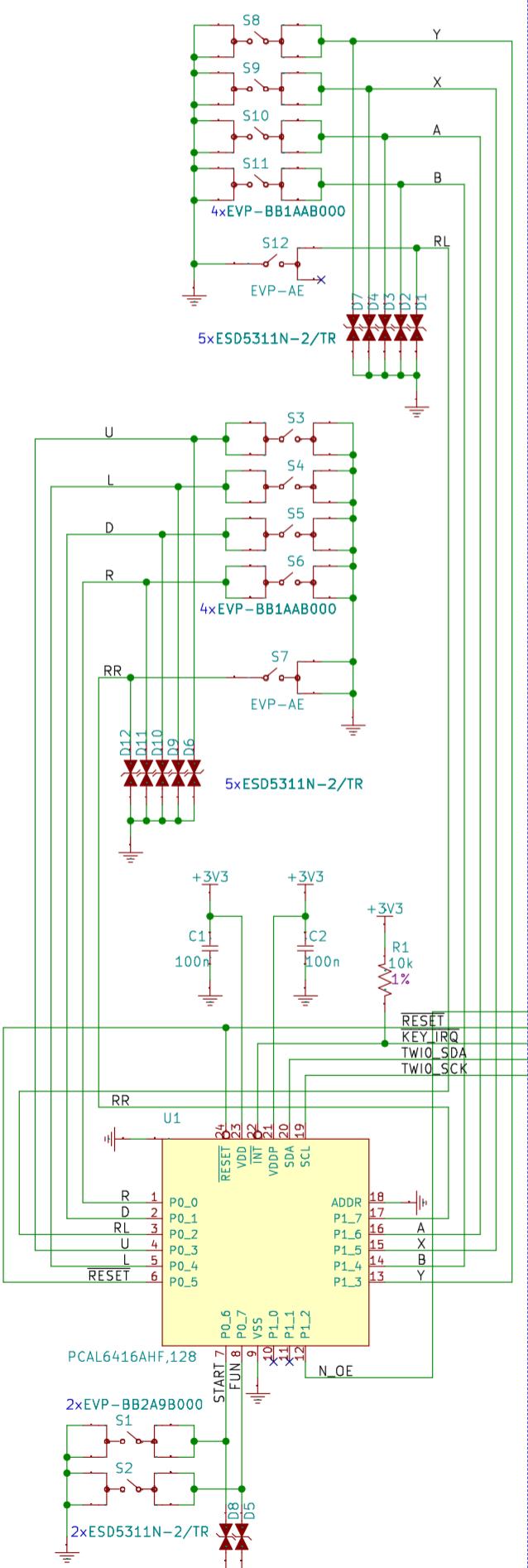


REVISION HISTORY

- Rev. A:
- Initial version
- Rev. B:
- Correct S2 resistor value
- Increase test pad diameter to 1 mm
- Add DRIVE RESET from a CPU GPIO
- Add magnetic Reed switch for cover detection
- Change speaker mounting
- Solve mechanical interferences
- Rev. C:
- Add test pads for MicroSD and USB
- Correct bug (short) of via on AXP209 QFN exposed pad
- Change shoulder buttons to Panasonic
- Rev. D:
- Revert shoulder buttons to Omron
- Rev. E:
- Change shoulder buttons to Panasonic (larger ones)
- Add TE signal for LCD sync
- Trimmed pull-up/down values for LED brightness and lower power consumption
- Rev. F:
- Lengthen speaker tabs
- Add drills in the side button corners to make cutout square

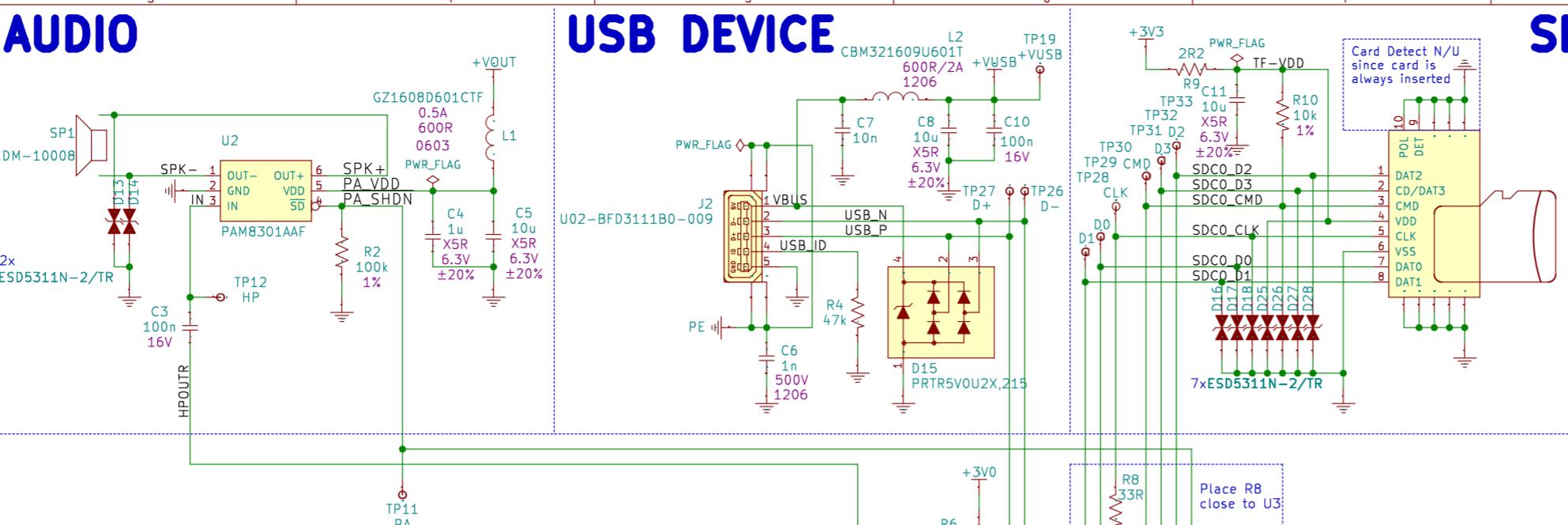
BUTTONS

Note: Using U1 internal pull-ups on all buttons

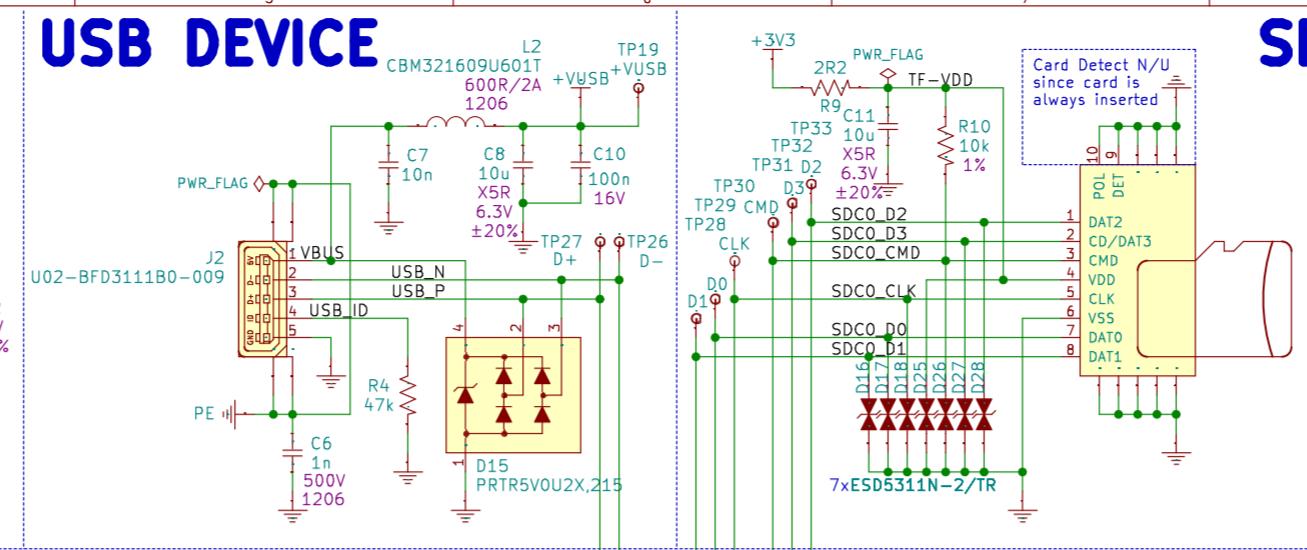


Resistors are 5% 1/16W 0402 unless otherwise specified
Ceramic capacitors are ±10% 50V X7R dielectric 0402 unless otherwise specified

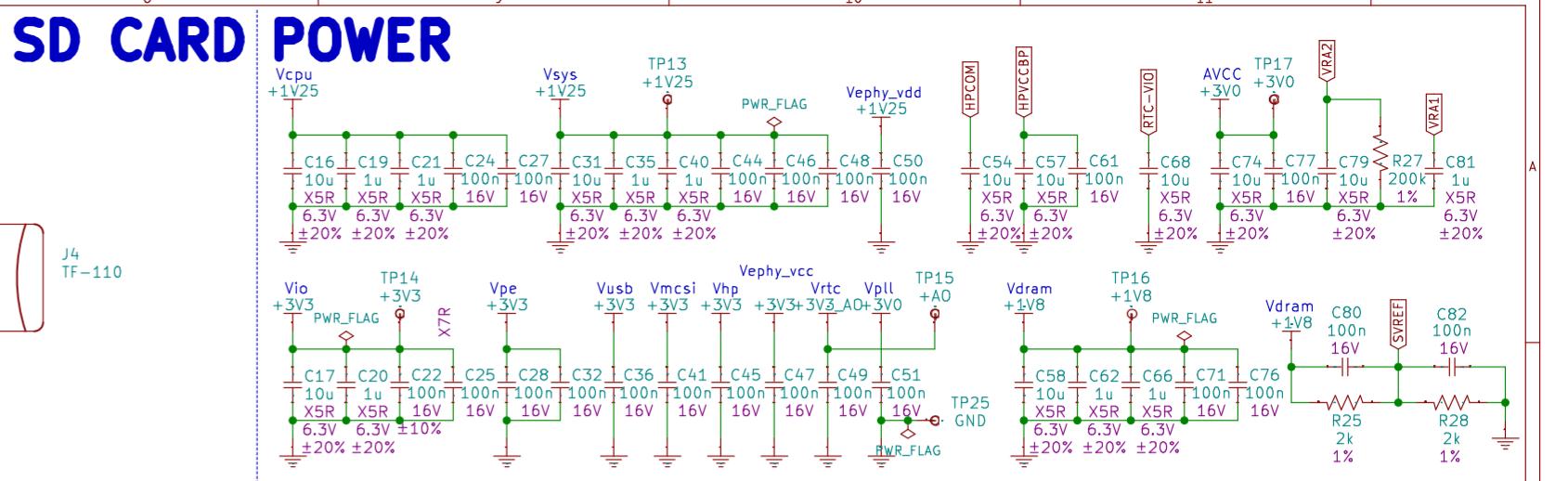
AUDIO



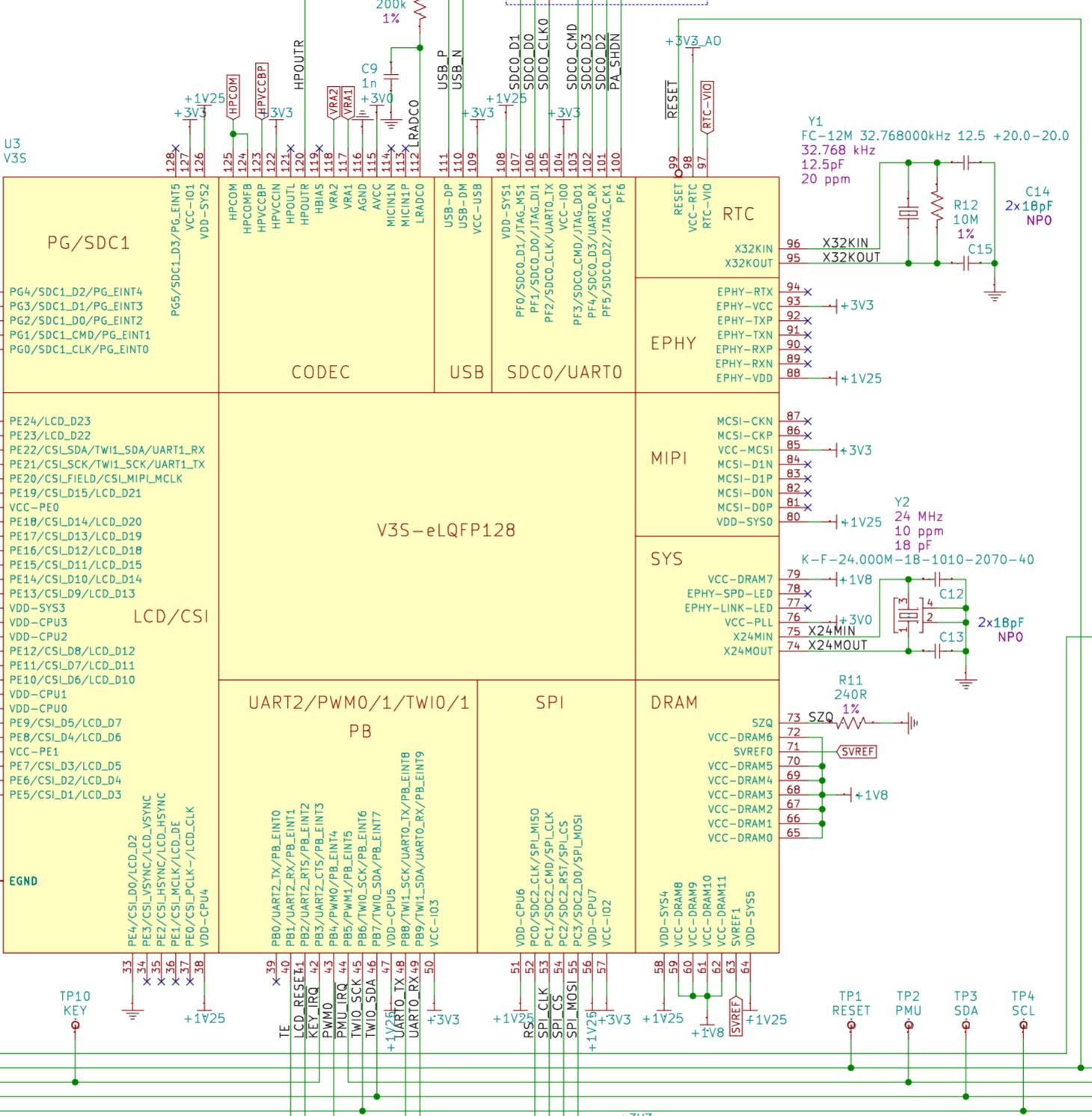
USB DEVICE



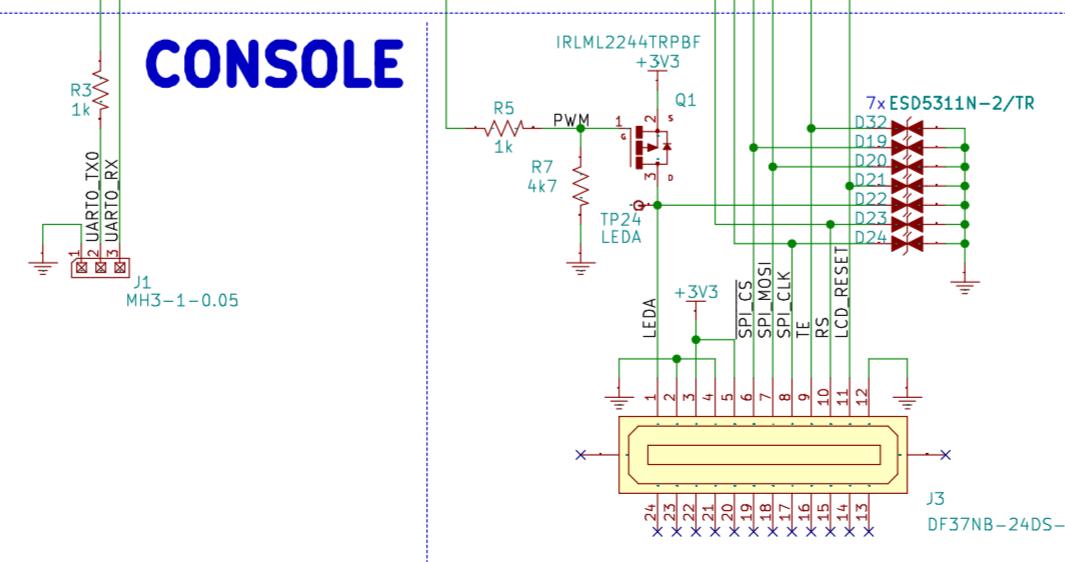
SD CARD POWER



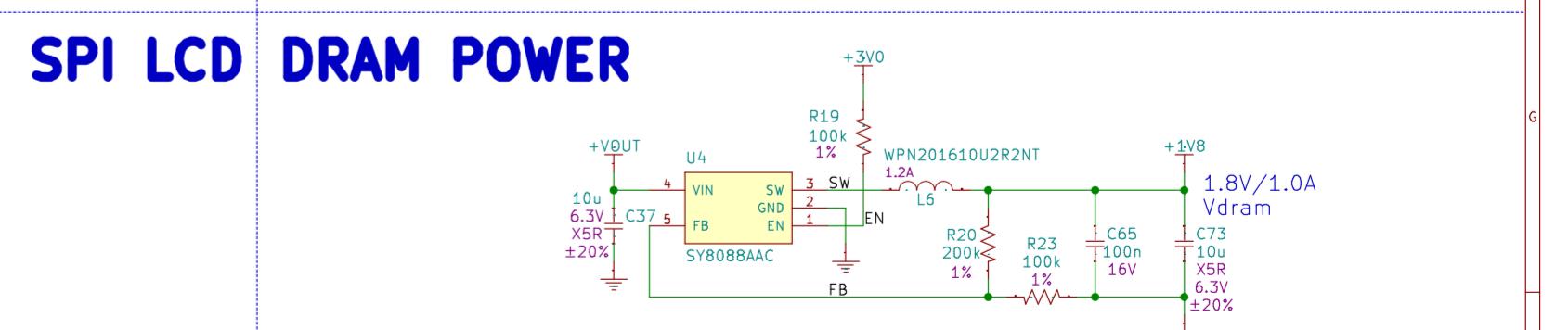
CPU PMIC



CONSOLE



SPI LCD DRAM POWER



FunKey
project

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Sheet: / File: FunKey.sch Title: FunKey

Size: A2 Date: 2021/03/22 Rev: f

KiCad E.D.A. kicad 5.1.5+dfsg1-2-build2

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