# RP2040 eval board

Dual Core CPU

File: mcu.kicad_sch

Power Supply

File: pwr_sup.kicad_sch

LOGO

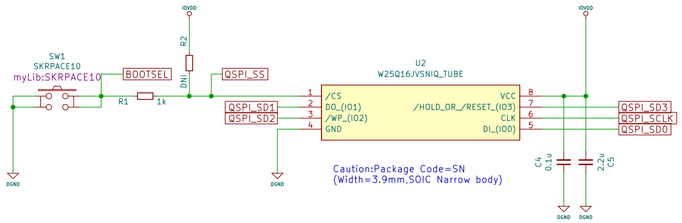
MK1
LOGO
myLib:kyogen5

S/N:KS-0003-07R4D
**Kyogen Sound Group.**
Sheet: /
File: RP2040Board.kicad_sch

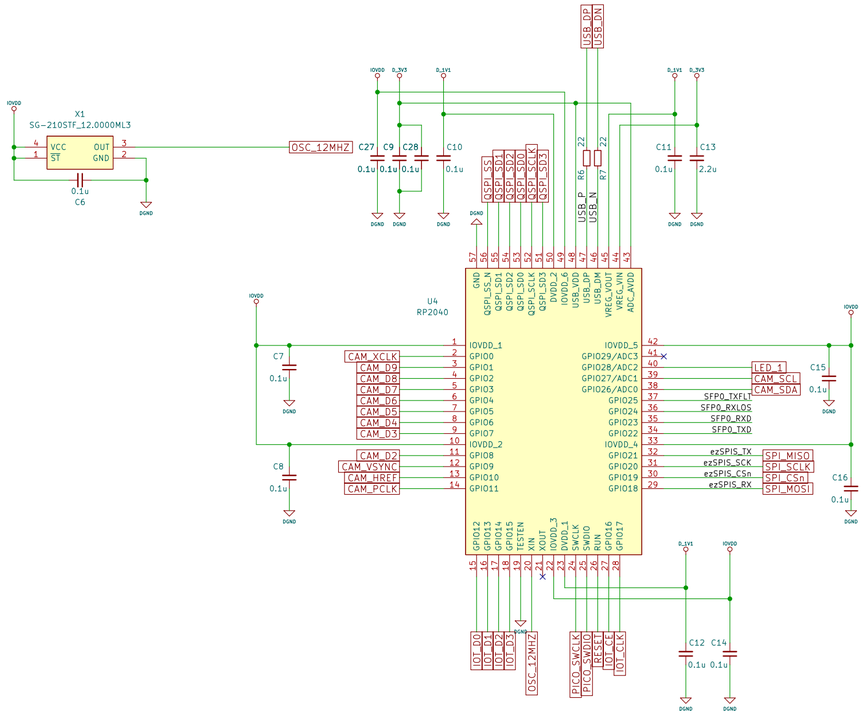
***Title: RP2040 with DVP Camera board***

| | | |
|---|---|---|
| Size: A2 | Date: 2021-12-07 | **Rev: 1.00** |
| KiCad E.D.A. kicad (6.0.7) | | Id: 1/3 |

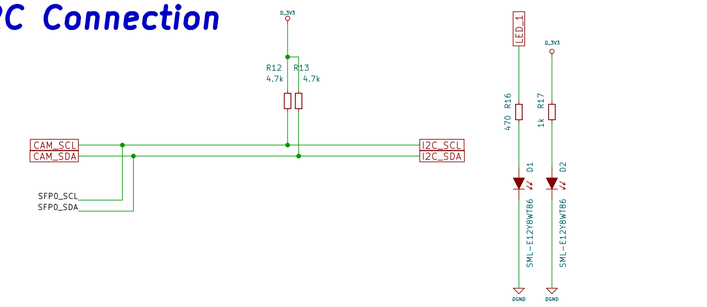
## Boot Flash



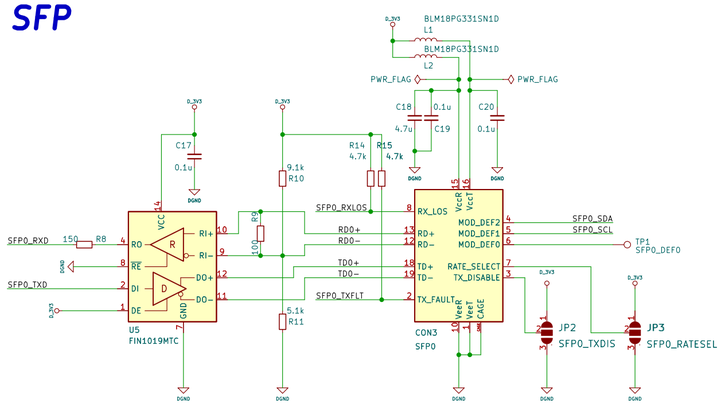

## RP2040 MCU




## I2C Connection



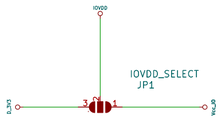

## SFP




RATESEL: 3V3 = High, 0V = Low
TX_DISABLE: 3V3 = Disable, 0V = Enable

## IoT SRAM

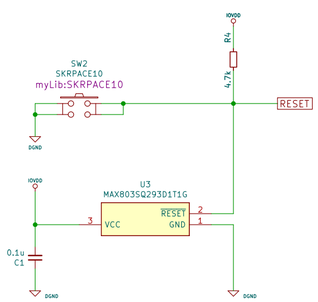
## IOVDD Selection



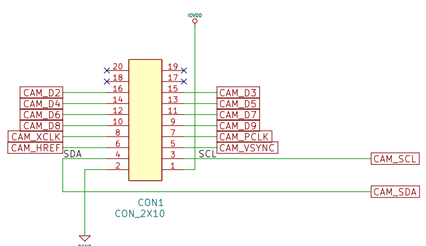

(SHORT 1-2)IOVDD = VccIO
(SHORT 2-3)IOVDD = 3.3V

IOVDD:See section.2.9.7.4 on RP2040 DS.
IOVDD domain:QSPI, GPIO, SWD, RUN, TESTEN(see Section 5.2)

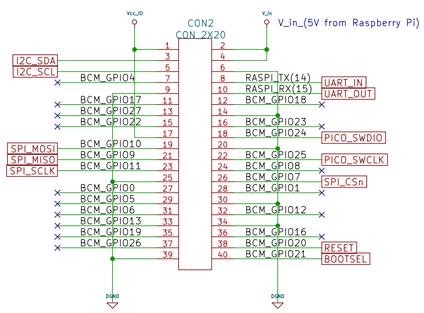
## Reset Supervisor

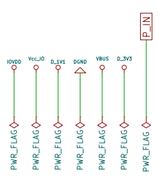



## OV5642 DVP Camera Connector




## Raspberry Pi Connector



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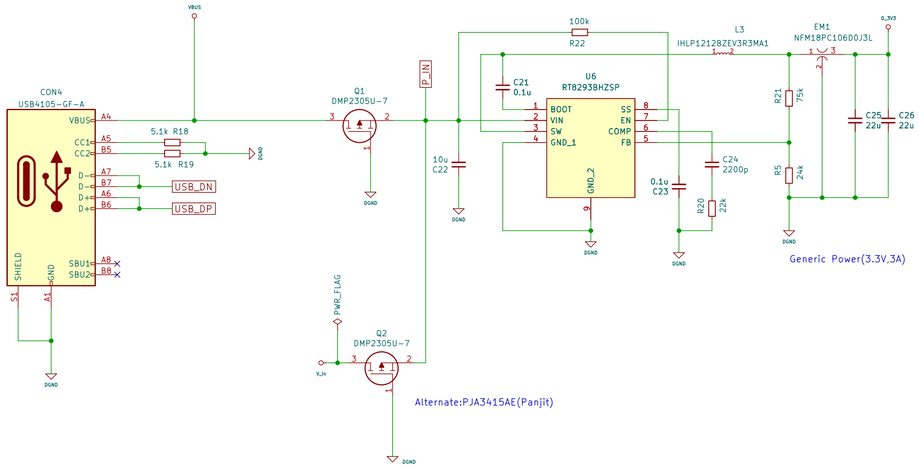
# USB and Power Supply




S/N:KS-0003-07R4D

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