



RP2040 eval board

Dual Core CPU

File: mcu.kicad\_sch

Power Supply

File: pwr\_sup.kicad\_sch

LOGO

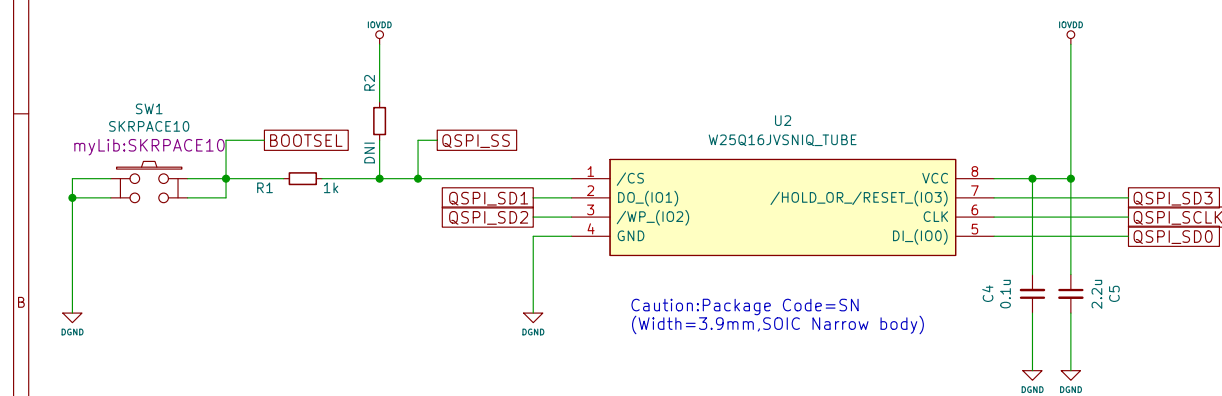
MK1  
LOGO  
myLib:kyogen5

S/N:KS-0003-07R4D  
Kyogen-Kikaku LLC (@s\_kyogen)  
Sheet: /  
File: RP2040Board.kicad\_sch

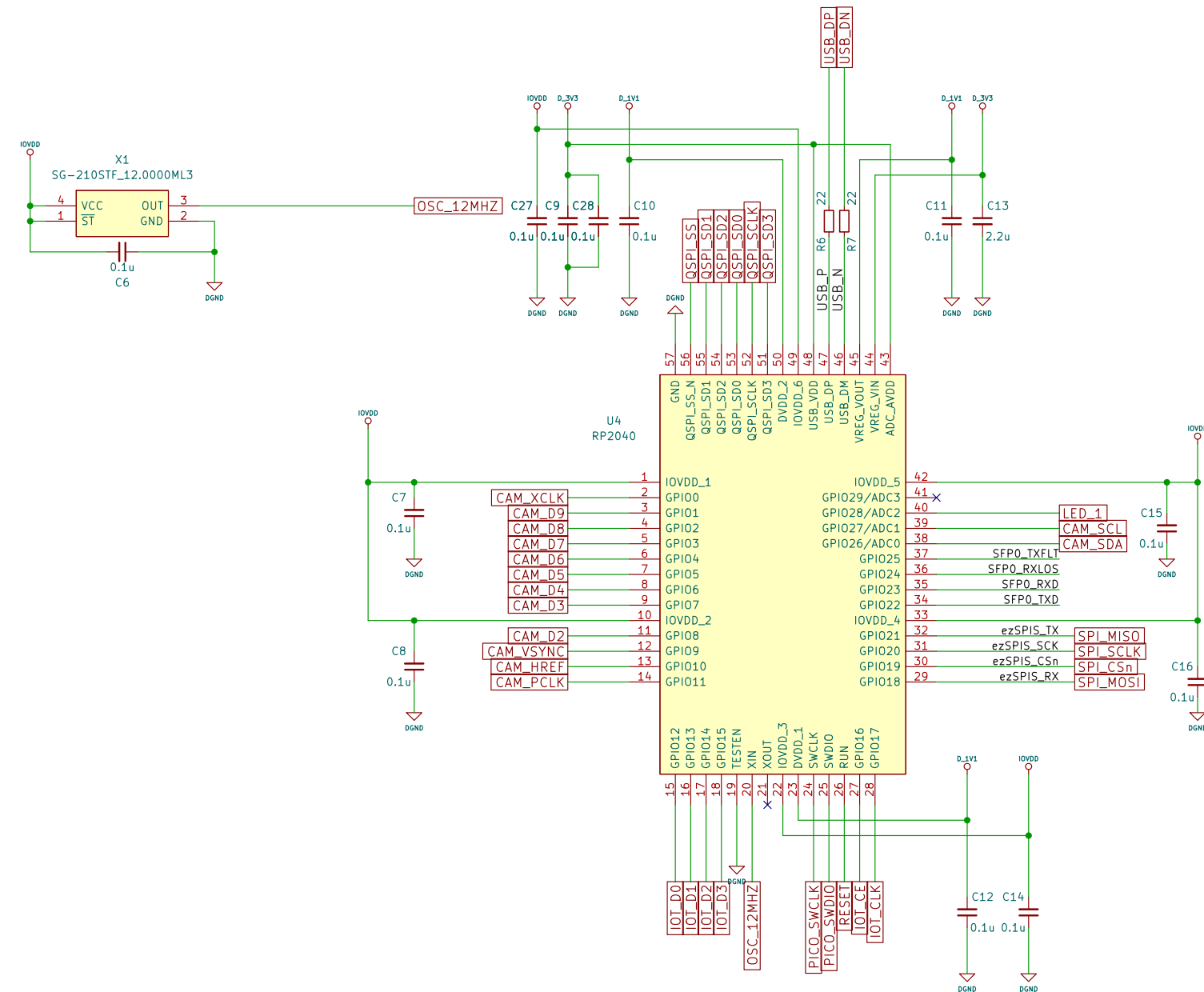
Title: RP2040 with DVP Camera board

Size: A2	Date: 2022-08-11	Rev: 1.05
KiCad E.D.A. kicad (6.0.7)	Id: 1/3	

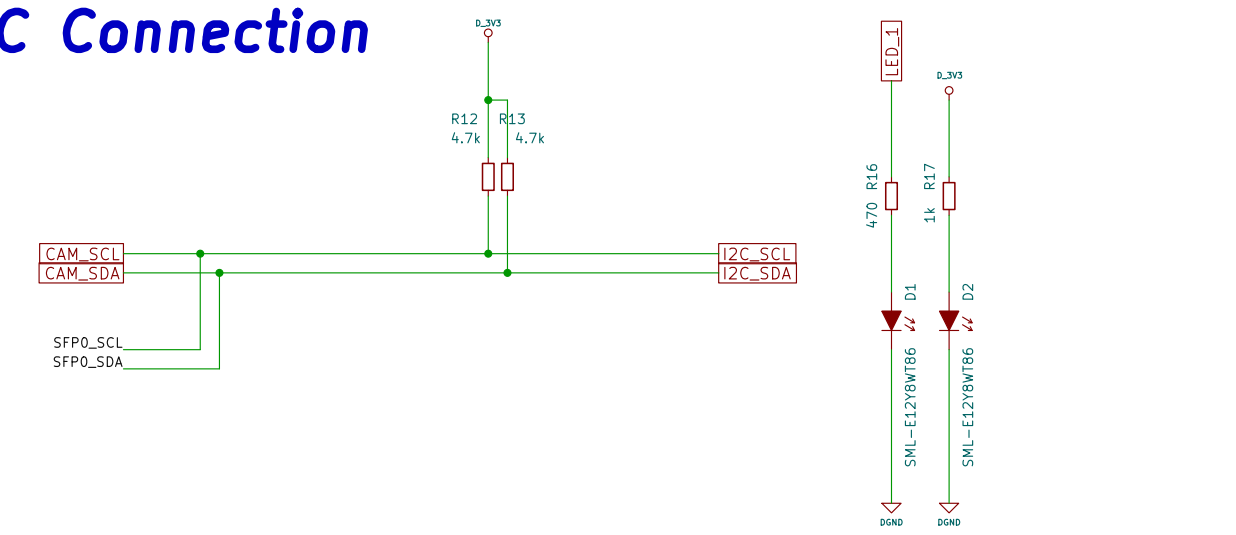
## Boot Flash



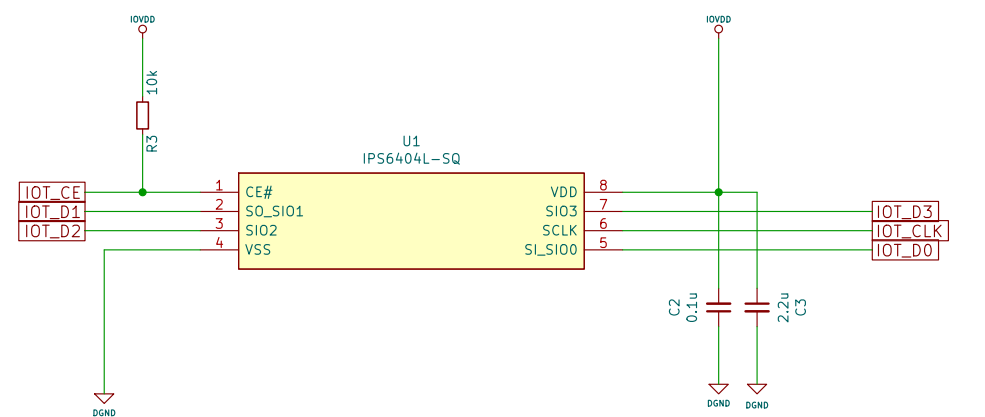
# RP2040 MCU



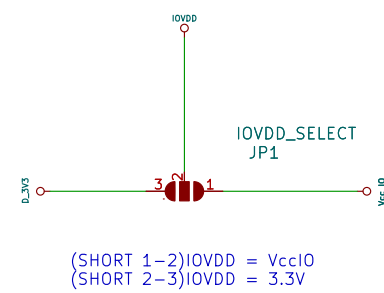
## I2C Connection



## IoT SRAM

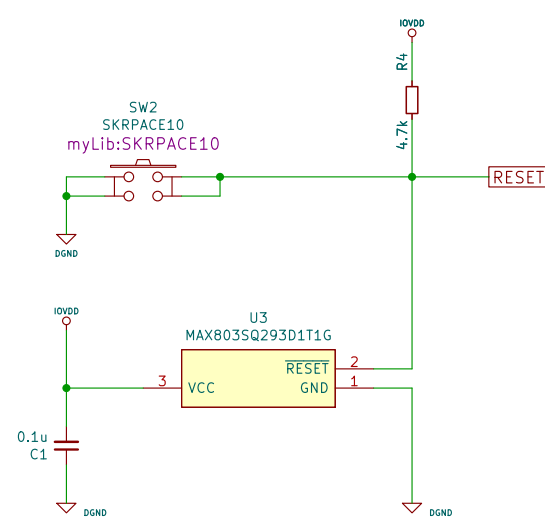


## IOVDD Selection

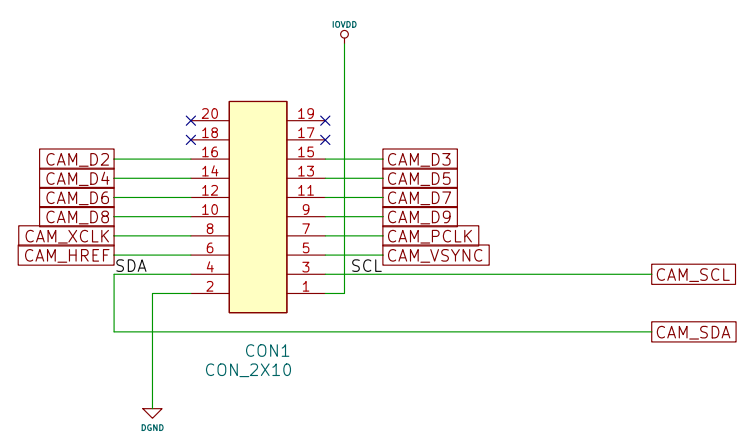


IOVDD: See section 2.9.7.4 on RP2040 DS.  
IOVDD domain: QSPI, GPIO, SWD, RUN, TESTEN (see Section 5.2)

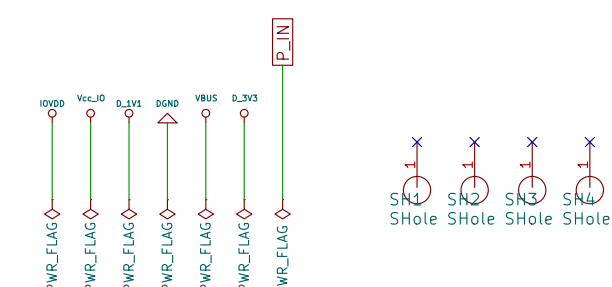
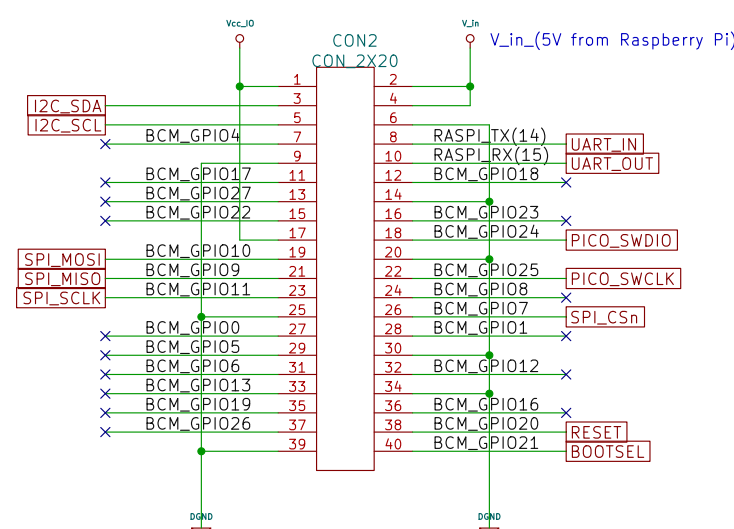
## Reset Supervisor



## OV5642 DVP Camera Connector



## Raspberry Pi Connector



# USB and Power Supply

