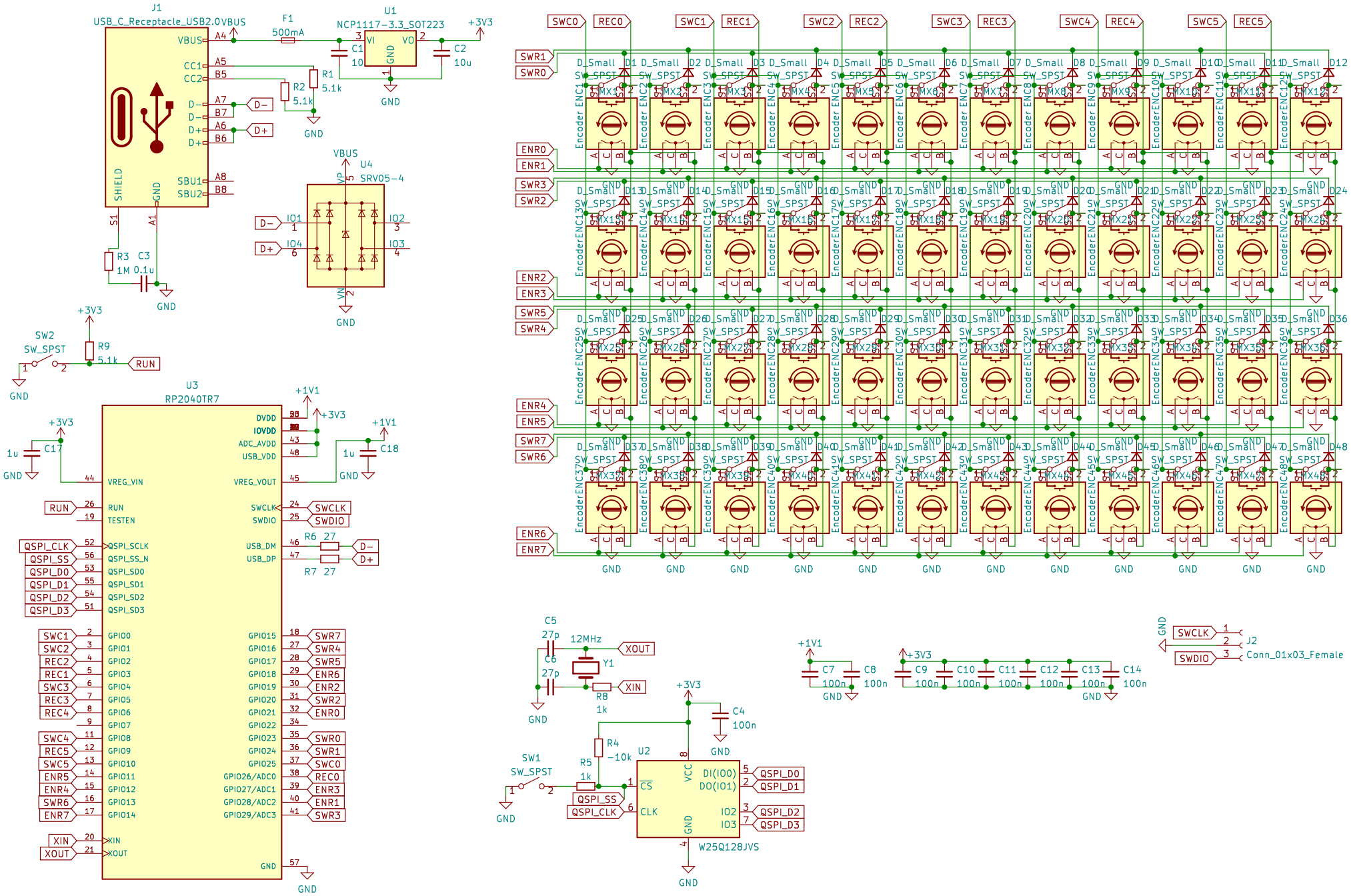
J1
USB_C_Receptacle_USB2.0
VBUS
F1
500mA
U1
NCP1117-3.3_SOT223
+3V3
C1
10
C2
10u
R1
5.1k
R2
5.1k
GND
D-
D+
SHIELD
SBU1
SBU2
R3
1M
C3
0.1u
U4
SRV05-4
IO1
IO2
IO3
IO4
SW2
SW_SPST
R9
5.1k
RUN
U3
RP2040TR7
+1V1
C17
1u
C18
1u
VREG_VIN
VREG_VOUT
DVDD
IOVDD
ADC_AVDD
USB_VDD
SWCLK
SWDIO
R6 27
R7 27
QSPI_CLK
QSPI_SS
QSPI_D0
QSPI_D1
QSPI_D2
QSPI_D3
XIN
XOUT
SWC1
SWC2
REC2
REC1
SWC3
REC3
REC4
SWC4
REC5
SWC5
ENR5
ENR4
SWR6
ENR7
SWR7
SWR4
SWR5
ENR6
ENR2
SWR2
ENR0
SWR0
SWR1
SWC0
ENR1
ENR3
SWR3
REC0
ENR7
SWR6
SWR7
SWR4
SWR5
ENR6
ENR2
SWR2
ENR0
SWR0
SWR1
SWC0
REC0
ENR3
ENR1
SWR3
C5
27p
C6
27p
12MHz
Y1
R8
1k
R4
10k
R5
1k
SW1
SW_SPST
U2
W25Q128JVS
CS
CLK
DI(IO0)
DO(IO1)
IO2
IO3
VCC
C4
100n
C7
100n
C8
100n
C9
100n
C10
100n
C11
100n
C12
100n
C13
100n
C14
100n
J2
Conn_01x03_Female