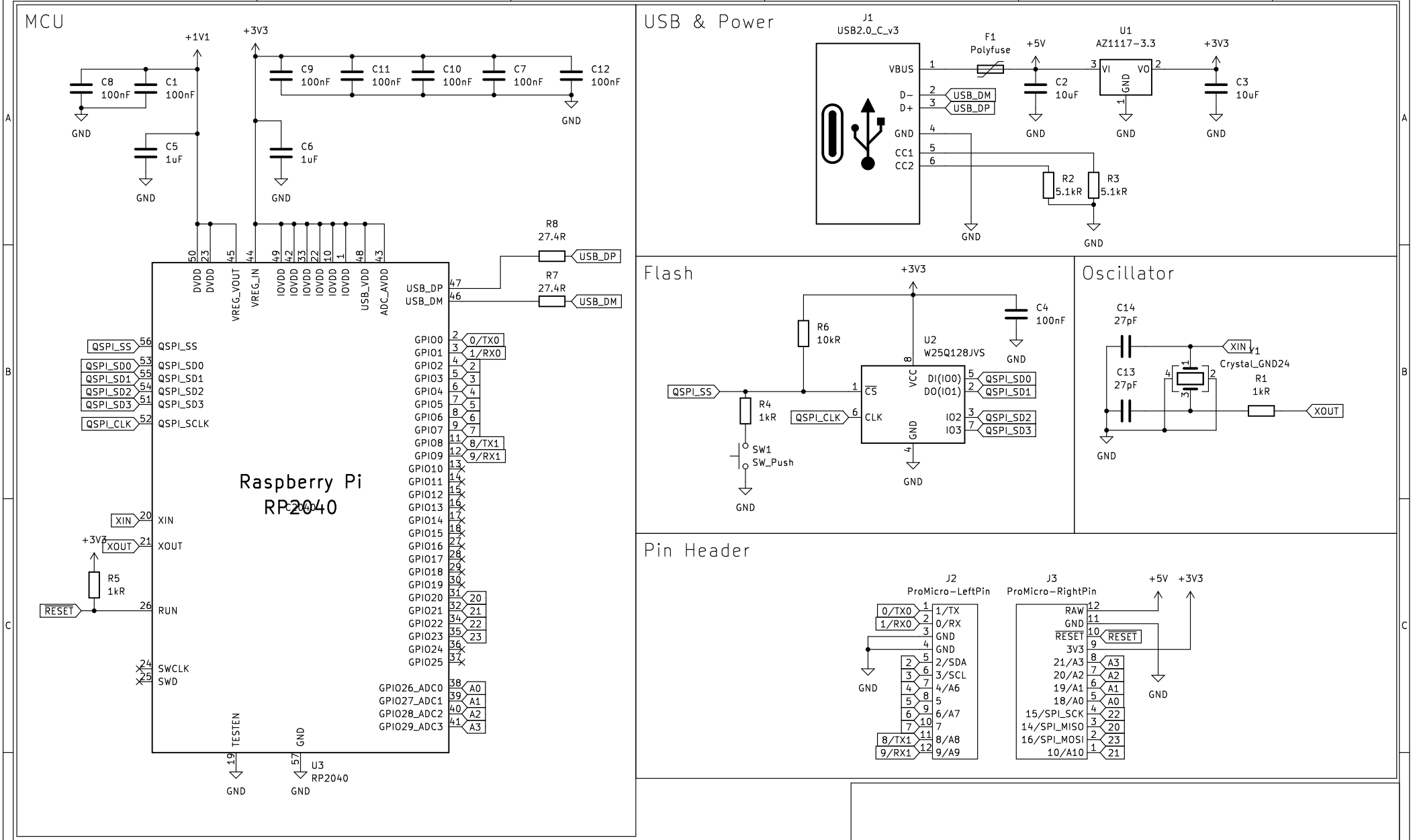
MCU
+1V1
+3V3
C8 100nF
C1 100nF
C9 100nF
C11 100nF
C10 100nF
C7 100nF
C12 100nF
C5 1uF
C6 1uF
GND
R8 27.4R
R7 27.4R
USB_DP
USB_DM
DVDD
VREG_VOUT
VREG_IN
IOVDD
USB_VDD
ADC_AVDD
QSPI_SS
QSPI_SD0
QSPI_SD1
QSPI_SD2
QSPI_SD3
QSPI_CLK
QSPI_SCLK
XIN
XOUT
R5 1kR
RESET
RUN
SWCLK
SWD
TESTEN
Raspberry Pi
RP2040
U3
RP2040
GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GPIO9
GPIO10
GPIO11
GPIO12
GPIO13
GPIO14
GPIO15
GPIO16
GPIO17
GPIO18
GPIO19
GPIO20
GPIO21
GPIO22
GPIO23
GPIO24
GPIO25
GPIO26_ADC0
GPIO27_ADC1
GPIO28_ADC2
GPIO29_ADC3
0/TX0
1/RX0
8/TX1
9/RX1
A0
A1
A2
A3
USB & Power
J1
USB2.0_C_v3
VBUS
D−
D+
GND
CC1
CC2
F1
Polyfuse
+5V
C2 10uF
U1
AZ1117−3.3
VI
VO
C3 10uF
R2 5.1kR
R3 5.1kR
Flash
R6 10kR
U2
W25Q128JVS
C4 100nF
CS
CLK
VCC
DI(IO0)
DO(IO1)
IO2
IO3
R4 1kR
SW1
SW_Push
Oscillator
C14 27pF
C13 27pF
Y1
Crystal_GND24
R1 1kR
Pin Header
J2
ProMicro−LeftPin
1/TX
0/RX
2/SDA
3/SCL
4/A6
5
6/A7
7
8/A8
9/A9
J3
ProMicro−RightPin
RAW
3V3
21/A3
20/A2
19/A1
18/A0
15/SPI_SCK
14/SPI_MISO
16/SPI_MOSI
10/A10
Sheet: /
File: rp2040−promicro.kicad_sch
Title: RP−ProMicro
Size: A4
Date:
Rev: 2.0.0
KiCad E.D.A. kicad 7.0.5−0
Id: 1/1