Power VBUS VBUS_A4/B9 2 VBUS_B4/A9 11 GND_A1/B12 1 1 GND_A12/B1 3 3 × SBU1_A8 9 × CC1_A5 4 0 CC2_B5 7 D-_A7 5 D+_A6 D+_B6 B B D+_B6 B B D+_B6 B B D+_B6 B D+ GND_A1/B12 112 VBUS +5٧ AMS1117-3.3 +3V3 CH213K +3V3 ____ C5 ± C6 R6 5.1k USB_D-Ţ \uparrow \uparrow D1 RED USB_D+ GND GND GND GND +1V1 Make sure C10 is close to pin 44 of RP2040 GND GND R4 R5 5.1k + C10 C7 100n Ŷ PWR_FLAG R7 200 ADC_VREF - 100r GND GND R8 1R C12 +3V3 +5V VBUS +3/3 GND Flash C4 100n GND R1 5.1k USB_D+ 5 GPI029_ADC3 6 GPI028_ADC2 7 GPI027_ADC1 8 R10 27 GND USB_DM Make sure R9 and R10 are close to RP2040 DI(IO0) 5 QSPLSD0 2 QSPLSD1 USB_D-QSPI_SS GPI027_ADC1 8 GPI026_ADC0 9 I0 J2 GPI020 11 Conn_01x20_Pln GPI023 12 GPI022 13 GPI021 14 GPI020 15 GPI019 16 GPI018 17 GPI017 18 GPI015 20 GPI00 GPI00 GPI01 GPI02 GPI03 GPI04 GPI05 GPI06 GPI07 GPI08 QSPI_SS GPI00 102 3 QSPLSD2 7 QSPLSD3 R2 QSPI_SCLK QSPI_SS QSPI_SD0 QSPI_SD1 QSPI_SD2 QSPI_SD0 BOOTSEL GPI02 QSPI_SD1 QSPI_SD2 Io SM2 1 GPI04 √ SW_Push QSPI_SD3 QSPI_SD3 GPI05 GND GPI06 GPI07 QSPI_SCLK 5 QSPI_SCLK GPIO8 GPIO9 GND GPI010 GPI011 GPI012 GPI013 GPI014 GPI010 GPI011 Crystal Raspberry Pi GPI012 XIN RP2040 GPI013 GPI014 XIN GPI015 GPI016 27p C1 GPI015 GPI016 XOUT GPI00 1 GPI01 2 GPI02 3 GPI03 4 GPI04 5 XOUT GPI017 GPI018 GPI019 R3 1k GPI017 GPI018 27p XOUT GPI019 GPI020 GPI021 GPI04 5 GPI05 7 GPI06 8 GPI07 9 GPI08 10 GPI09 12 GPI09 12 GPI011 14 GPI011 14 GPI013 16 GPI013 16 GPI013 16 GPI013 16 GPI014 17 RUN 18 ADC_WREF 19 20 GPI020 GPI021 RUN GPI022 GPI023 GND GPI022 GPI023 GPI024 GPI025 GP1024 SWCLK SWDIO GPI025 SWCLK SWD GPI026_ADC0 38 GPI026_ADC0 GPI027_ADC1 39 GPI027_ADC1 GPI028_ADC2 40 GPI028_ADC2 GPI029_ADC3 41 GPI029_ADC3 R11 10k D2 BLUE CH1 SWD SWCLK RST_ SW1 o SW_Push SWCLK GND SWDIO RP2040 GND SWDIO GND GND 🖶 GND GND GND Sheet: / File: slim.kicad_sch Title:

Size: A3 Date: KiCad E.D.A. eeschema 7.0.10

ld: 1/1