

1 +3.3V

C109

1 +3.3V

## optional Pull-Ups +3.3V R109 R R109 R110 R110 R111 R GPI028 R111 R GPI025 R112 R R114 R GPI017 R114 R GPI016 R115 R GPI015 R116 R GPI014

## Crystal

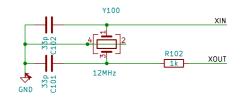
QSPI\_SD0

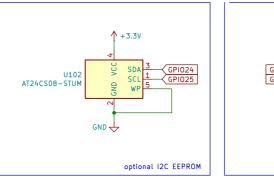
QSPI SD1

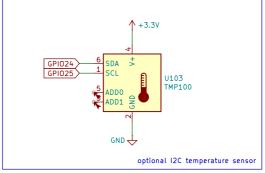
QSPI\_SD3

Flash

| R103 | QSPI\_SS | 1 | QSPI\_SCLK | 6 |







| GPI029 | 20 | GP29: SPI1 CS | UARTO RX | I2CO SCL | PWM6 B | ADC3 GP1028 | 19 | GP29: SPI1 RX | UARTO TX | I2CO SDA | PWM6 A | ADC2 GP27: SPI1 TX | UARTI RTS | I2C1 SCL | PWM6 B | ADC1 GP1025 | 16 | GP26: SPI1 SCK | UARTI RTS | I2C1 SCL | PWM6 B | ADC1 GP26: SPI1 SCK | UARTI RX | I2CO SCL | PWM4 B | GP26: SPI1 SCK | UARTI RX | I2CO SCL | PWM4 B | GP26: SPI1 SCK | UARTI RX | I2CO SCL | PWM4 B | GP26: SPI1 SCK | UARTI RX | I2CO SCL | PWM4 B | GP26: SPI1 SCK | UARTI RX | I2CO SCL | PWM3 B | GP26: SPI0 SCK | UARTI RX | I2CO SCL | PWM3 B | GP20: SPI0 SCK | UARTI RX | I2CO SCL | PWM2 B | GP20: SPI0 RX | UARTI RX | I2CO SCL | PWM2 B | GP20: SPI0 RX | UARTI RX | I2CO SCL | PWM2 B | GP1014 | GP1015 | GP

J102 OpenKNX UP1 Connector

| https://OpenKNX.de                           |
|--|
| UP1-Controller PCB with RP2040 MCU           |
| OpenKNX Open Hardware under CC BY-NC-SA 4.0  |
| by Ing-Dom <dom@ing-dom.de></dom@ing-dom.de> |
| OpenKNX                                      |
| Sheet: /Controller/                          |
| File: controller.kicad_sch                   |
| Title: UP1-Controller2040                    |

Rev: V01.01

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