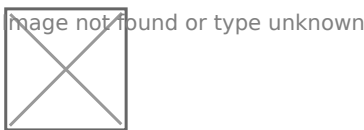


Dokumentation

Pinouts

[Link zu einer sehr gut erstellte Doku](#)



| CPU Pin | Port/pin name | Steppers/Drivers |
|---------|---------------|--|
| 11 | PC3 | X_ENABLE |
| 10 | PC2 | X_STEP |
| 57 | PB9 | X_DIR |
| 2 | PC13 | Y_ENABLE |
| 61 | PB8 | Y_STEP |
| 59 | PB7 | Y_DIR |
| 3 | PC14 | ZL_ENABLE |
| 58 | PB6 | ZL_STEP |
| 57 | PB5 | ZL_DIR |
| 4 | PC15 | ZR_ENABLE (ZR is E1 in pins definitions) |
| 8 | PC0 | ZR_STEP |
| 9 | PC1 | ZR_DIR |
| 50 | PA15 | E0_ENABLE |
| 56 | PB4 | E0_STEP |
| 55 | PB3 | E0_DIR |

Fan outputs

- 14 PA0 FAN_PIN
- 49 PA14 FAN1_PIN (Controller fan)
- 27 PB1 E0_AUTO_FAN

Heater outputs

- 15 PA1 HEATER0
- 20 PA4 HEATER_BED
- 41 PA8 HEATER1

Sensor inputs

- 21 PA5 FILAMENT_RUNOUT
- 22 PA6 POWER_MONITOR_VOLTAGE
- 24 PC4 TEMP0
- 26 PB0 TEMP_BED

Limit switch inputs

- 23 PA7 X_MIN
- 25 PC5 Y_MIN
- 28 PB2 ZL_MIN
- 37 PC6 ZR_MIN

Other

- 42 PA9 SERIAL_TX (Usart 0, to CH340 USB serial)
- 43 PA10 SERIAL_RX
- 29 PB10 LCD_TX (Usart 2)
- 30 PB11 LCD_RX
- 16 PA2 WiFi_TX (Usart 1)
- 17 PA3 WiFi_RX
- 35 PB14 WiFi enable/power
- 33 PB12 AUTO_LEVEL_RX
- 34 PB13 AUTO_LEVEL_TX
- 44 PA11 USB_D (Unused?)
- 45 PA12 USB_P (Unused?)
- 36 PB15 BEEPER (output)
- 46 PA13 CASE_LIGHT (output)

SD card

- 38 PC7 SD_DETECT

| | | |
|----|------|----------|
| 39 | PC8 | SDIO_D0 |
| 40 | PC9 | SDIO_D1 |
| 51 | PC10 | SDIO_D2 |
| 52 | PC11 | SDIO_D3 |
| 53 | PC12 | SDIO_CLK |
| 54 | PD2 | SDIO_CMD |

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