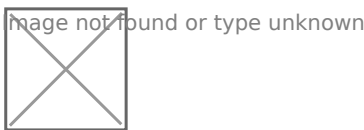


Dokumentation

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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