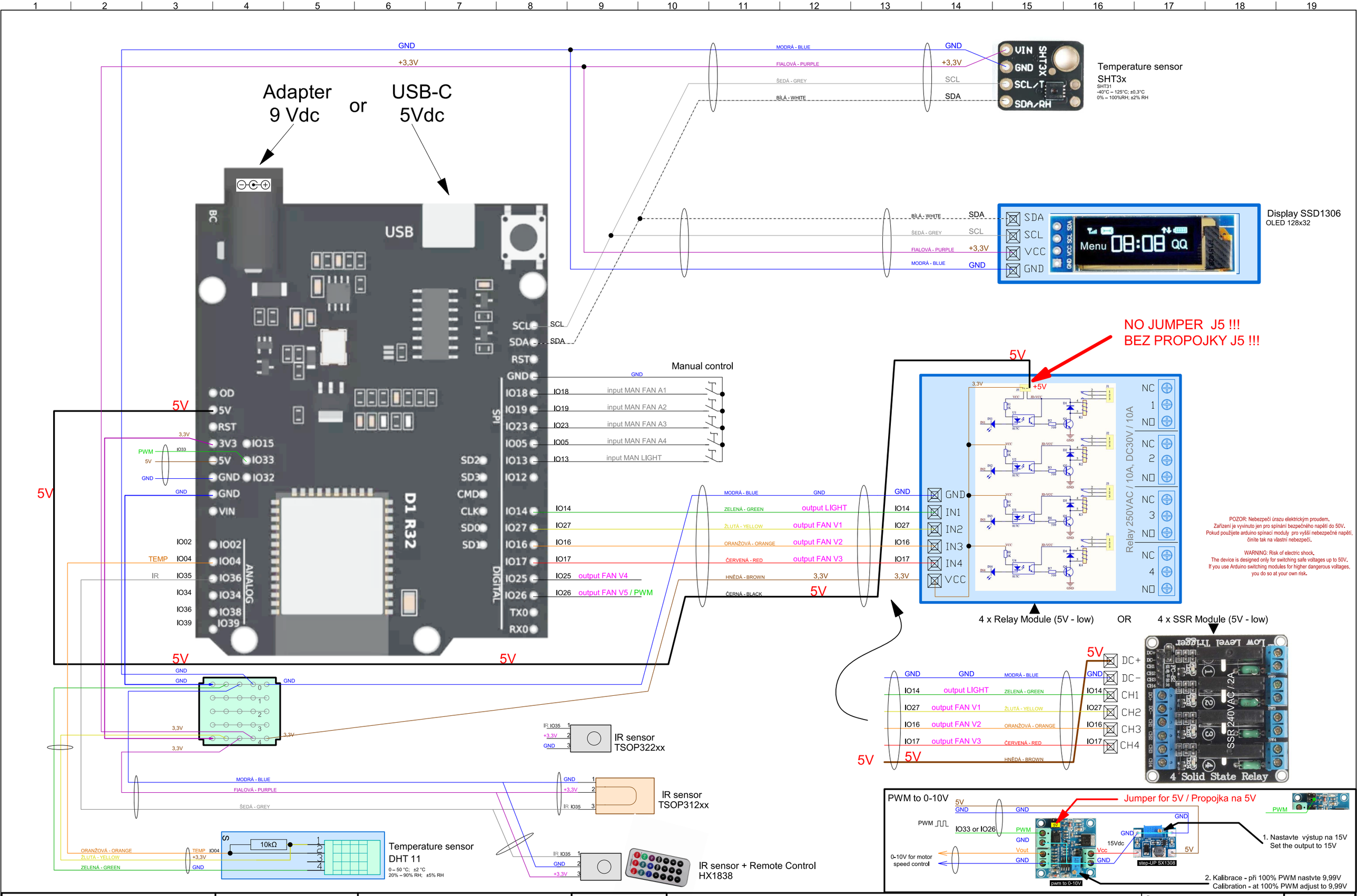
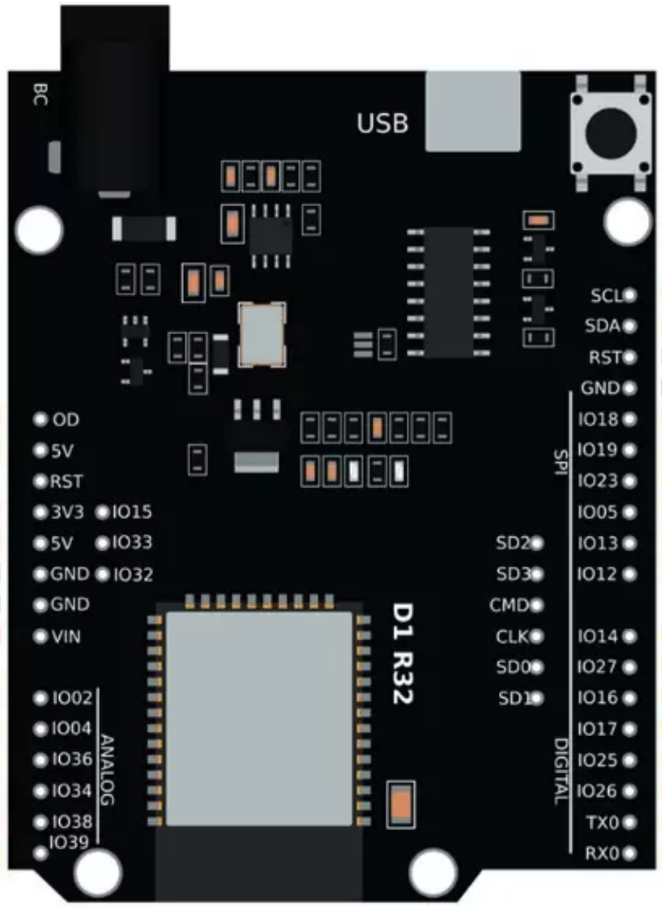


V3.01.02 pwm/0-10V	Datum - Date 2026-07-28	Konstruktér - Designer		Název projektu - Project name	Číslo výkresu - Drawing number	Listů - Pages
	Měřítko - Scale	Kontroloval - He Checked		Hob2hood Arduino ESP32 WiFi V3.x.x	002614	1
hob2hood v3.0.0_new.sch	17:27 20.8.2026	Vedoucí - Supervisor		Název výkresu - Drawing name Circuit diagram	S 106 D1	List č. - Page No. 1

D1 R32 Board Pinout

- Digital In/Out ports (PWM)
- Digital Input ports
- Analog Inputs 12bit, 0 - 3V
- Analog Outputs 8bit, 0 - 3V
- Capacitive Touch Sensor ports
- I/O -pins from RTC ultra low power processor, usable in deep sleep mode
- SD card interface
- I2C bus (Wire)
- SPI bus interface
- Serial interfaces
- HSPI bus



RTC 11 | Touch 1 | ADC2-1 | GPIO00
+5V
RESET
+3.3V
+5V
GND
GND
VIN

HSPIWP | SD D0 | RTC 12 | Touch 2 | ADC2-2 | GPIO2
HSPIHD | SD D1 | RTC 10 | Touch 0 | ADC2-0 | GPIO4
RTC 5 | ADC1-7 | GPIO35
RTC 4 | ADC1-6 | GPIO34
RTC 0 | ADC1-0 | GPIO36
RTC 3 | ADC1-3 | GPIO39

GPIO22 | SCL
GPIO21 | SDA
RESET
GND
GPIO18 | SCK
GPIO19 | MISO
GPIO23 | MOSI
GPIO5 | SS
GPIO13 | ADC2-4 | RTC 14 | SD D3 | HSPID
GPIO12 | ADC2-5 | Touch 5 | RTC 15 | SD D2 | HSPIQ
GPIO14 | ADC2-6 | Touch 6 | RTC 16 | SD CLK | HSPICL
GPIO27 | ADC2-7 | Touch 7 | RTC 17
GPIO16 | U2-RX
GPIO17 | U2-TX
GPIO25 | ADC2-8 | DAC 1 | RTC 6
GPIO26 | ADC2-9 | DAC 2 | RTC 7
GPIO1 | U0-TX
GPIO3 | U0-RX

HSPICS | SDCMD | RTC 13 | Touch 3 | ADC2-3 | GPIO15 | IO15
RTC 8 | Touch 8 | ADC1-5 | GPIO33 | IO33
RTC 9 | Touch 9 | ADC1-4 | GPIO32 | IO32

SD2
SD3
CMD
CLK
SD0
SD1

Internal Flash Memory control pins. Not for use!