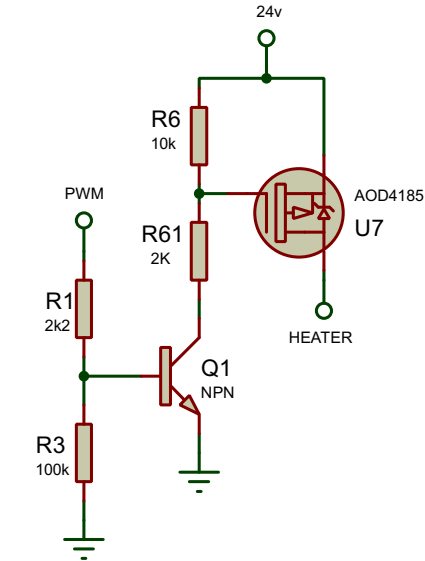
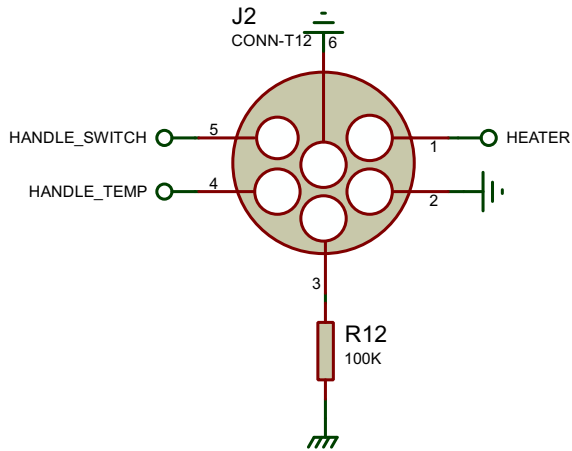


IRON CONNECTOR



ENCODER

3v3

R25 100k

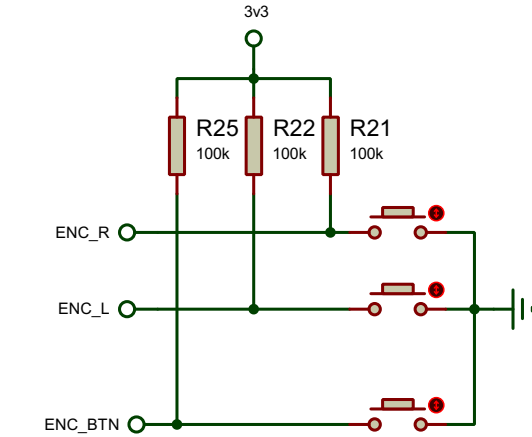
R22 100k

R21 100k

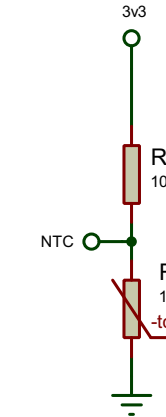
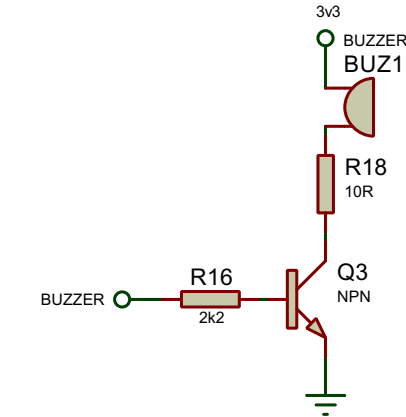
ENC_R

ENC_L

ENC_BTN



The diagram shows a buzzer circuit. A 3V3 supply is connected to a buzzer (BUZ1) through a 10R resistor (R18). The buzzer is connected to the base of an NPN transistor (Q3). The emitter of Q3 is grounded. The base of Q3 is also connected to a 2k2 resistor (R16), which is connected to a buzzer terminal. The collector of Q3 is connected to ground.



24V READ

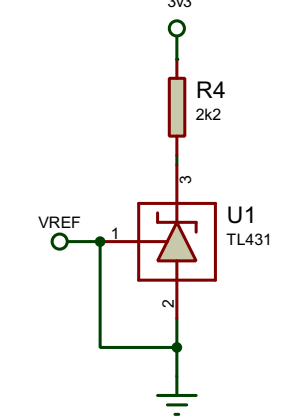
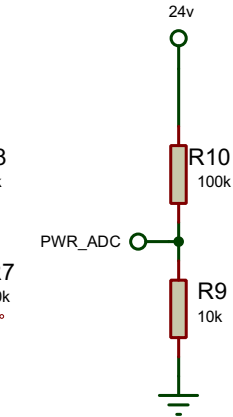
24v

R10 100k

PWR_ADC

R9 10k

-



HANDLE SWITCH

3v3

R2
100k

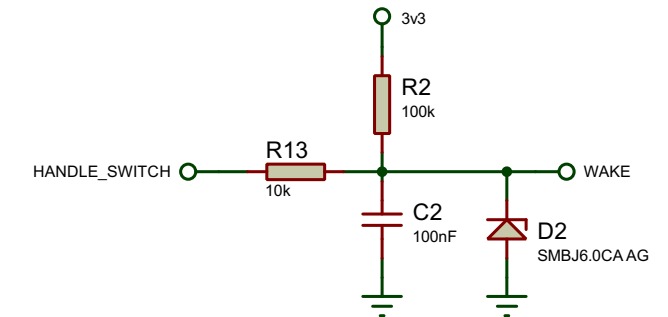
R13
10k

HANDLE_SWITCH

WAKE

C2
100nF

D2
SMBJ6.0CAAG



MCU

U1

HANDLE_TEMP 10 PA0-WKUP NRST 7 C3 100nF

VREF 11 PA1

NTC 12 PA2

PWR_ADC 13 PA3

PA4 14 PA4

TIP_TEMP 15 PA5

16 PA6

17 PA7

29 PA8

ENC_R 29 PA8

ENC_L 30 PA9

WAKE 31 PA10

ENC_BTN 32 PA11

BUZZER 33 PA12

34 PA13

37 PA14

38 PA15

18 PB0

PB1 19 PB1

PB2 20 PB2

39 PB3

PB4 40 PB4

41 PB5

42 PB6

PWM 43 PB7

45 PB8

46 PB9

21 PB10

OLED_DC 22 PB11

OLED_RESET 25 PB12

OLED_SCK 26 PB13

OLED_SDA 28 PB14

21 PB10

22 PB11

25 PB12

26 PB13

27 PB14

28 PB15

PC13_RTC 2 PC13_RTC

PC14-OSC32_IN 3 PC14-OSC32_IN

PC15-OSC32_OUT 4 PC15-OSC32_OUT

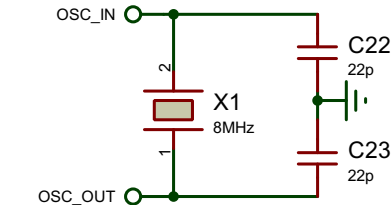
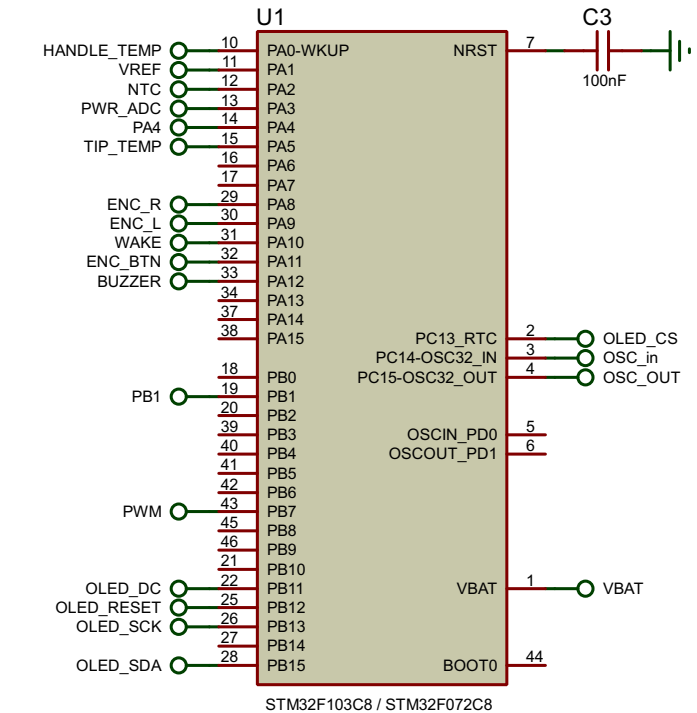
OSCIN_PD0 5 OSCIN_PD0

OSCOUT_PD1 6 OSCOUT_PD1

VBAT 1 VBAT

BOOT0 44 BOOT0

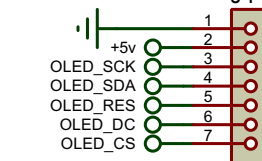
STM32F103C8 / STM32F072C8



OLED 1.3 SSD1306

Wiring diagram for the OLED 1.3 SSD1306 module:

- Pin 1: GND
- Pin 2: +5V
- Pin 3: OLED_SCK
- Pin 4: OLED_SDA
- Pin 5: OLED_RES
- Pin 6: OLED_DC
- Pin 7: OLED_CS



HANDLE SENSOR AMP?
(Not used in blue handle)

3V3

HANDLE_TEMP

C7 100nF

R23 100k

R14 10k

PB1

Q2 AO3401A

R15 10k

R11 2k

RJ2 2k

U3:A MCP6002

R19 10k

R17 1k

C8 100pF

3V3

R20 10k

PA4

U3:B MCP6002

R20 2k2

HANDLE_TEMP

RJ1 5.0K

R26 10k

C6 100pF

