

## 1. Description

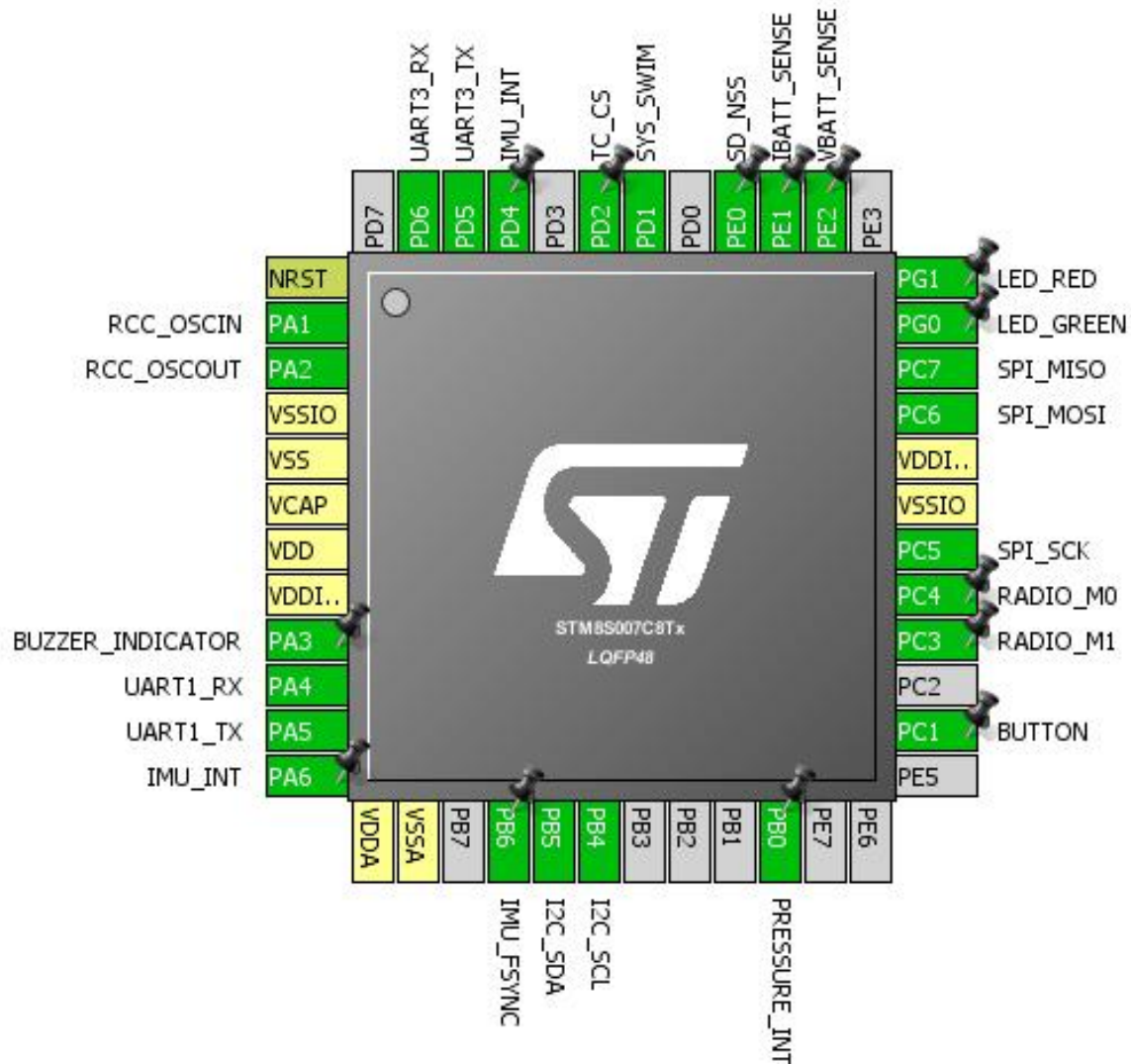
### 1.1. Project

Project Name	flight_computer_mx
Board Name	No information
Generated with:	STM8CubeMX 1.5.0
Date	06/23/2024

### 1.2. MCU

MCU Series	STM8S
MCU Line	STM8S Value Line
MCU name	STM8S007C8Tx
MCU Package	LQFP48
MCU Pin number	48

## 2. Pinout Configuration

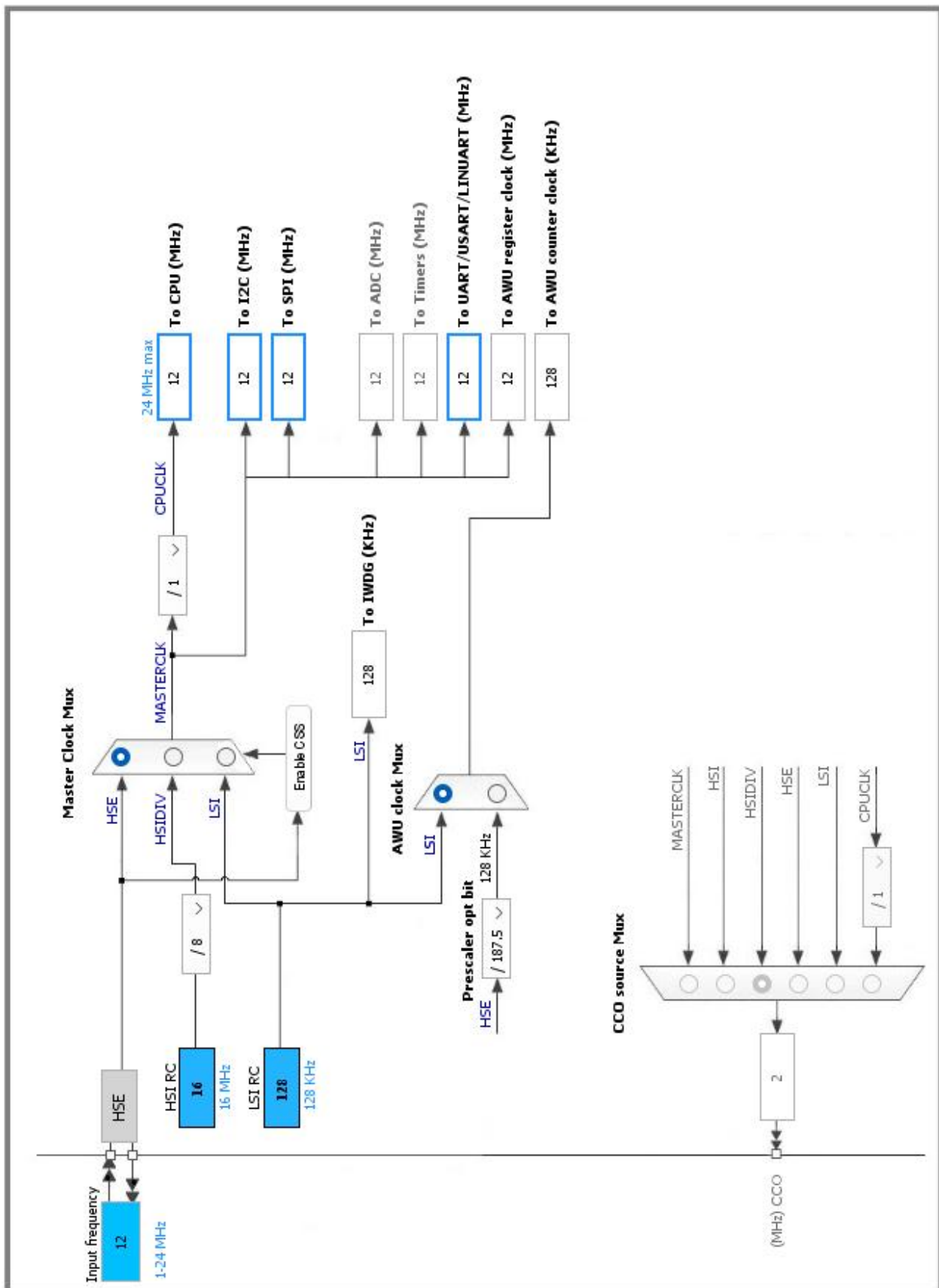


### 3. Pins Configuration

Pin Number LQFP48	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
1	NRST	Reset		
2	PA1	I/O	RCC_OSCIN	
3	PA2	I/O	RCC_OSCOUT	
4	VSSIO	Power		
5	VSS	Power		
6	VCAP	Power		
7	VDD	Power		
8	VDDIO	Power		
9	PA3 *	I/O	GPIO_Output	BUZZER_INDICATOR
10	PA4	I/O	UART1_RX	
11	PA5	I/O	UART1_TX	
12	PA6 *	I/O	GPIO_Input	IMU_INT
13	VDDA	Power		
14	VSSA	Power		
16	PB6 *	I/O	GPIO_Output	IMU_FSYNC
17	PB5	I/O	I2C_SDA	
18	PB4	I/O	I2C_SCL	
22	PB0 *	I/O	GPIO_Input	PRESSURE_INT
26	PC1 *	I/O	GPIO_Input	BUTTON
28	PC3 *	I/O	GPIO_Output	RADIO_M1
29	PC4 *	I/O	GPIO_Output	RADIO_M0
30	PC5	I/O	SPI_SCK	
31	VSSIO	Power		
32	VDDIO	Power		
33	PC6	I/O	SPI_MOSI	
34	PC7	I/O	SPI_MISO	
35	PG0 *	I/O	GPIO_Output	LED_GREEN
36	PG1 *	I/O	GPIO_Output	LED_RED
38	PE2 *	I/O	GPIO_Analog	VBATT_SENSE
39	PE1 *	I/O	GPIO_Analog	IBATT_SENSE
40	PE0 *	I/O	GPIO_Output	SD_NSS
42	PD1	I/O	SYS_SWIM	
43	PD2 *	I/O	GPIO_Output	TC_CS
45	PD4 *	I/O	GPIO_Input	IMU_INT
46	PD5	I/O	UART3_TX	
47	PD6	I/O	UART3_RX	

\* The pin is affected with an I/O function

## 4. Clock Tree Configuration



## ***5. Power Consumption Calculator report***

### 5.1. Microcontroller Selection

Series	STM8S
Line	STM8S Value Line
MCU	STM8S007C8Tx
Datasheet	22171_Rev5

### 5.2. Parameter Selection

Temperature	25
Vdd	null