

## 1. Description

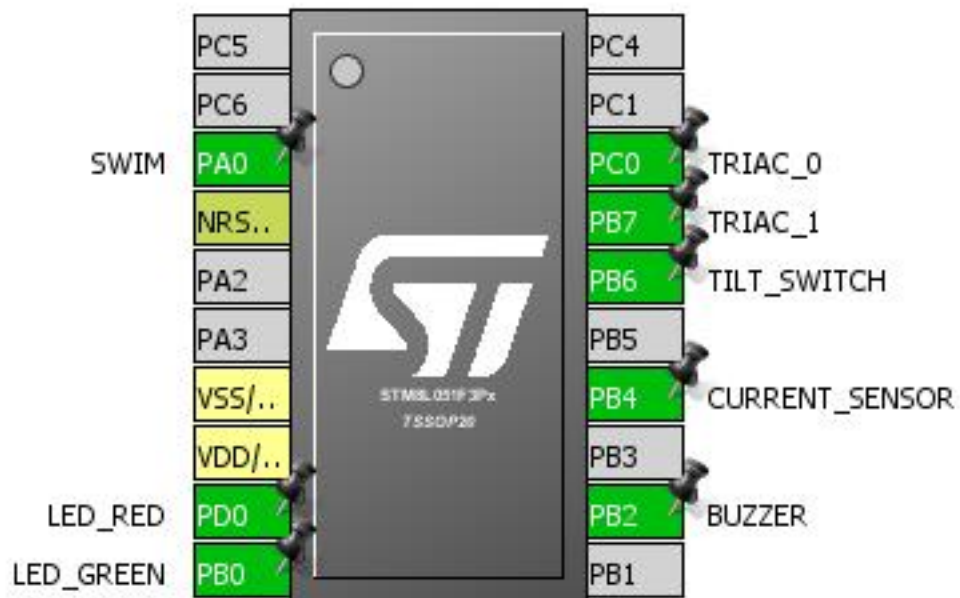
### 1.1. Project

Project Name	stm8l051-switching
Board Name	No information
Generated with:	STM8CubeMX 1.5.0
Date	09/09/2024

### 1.2. MCU

MCU Series	STM8L
MCU Line	STM8L Value Line
MCU name	STM8L051F3Px
MCU Package	TSSOP20
MCU Pin number	20

## 2. Pinout Configuration

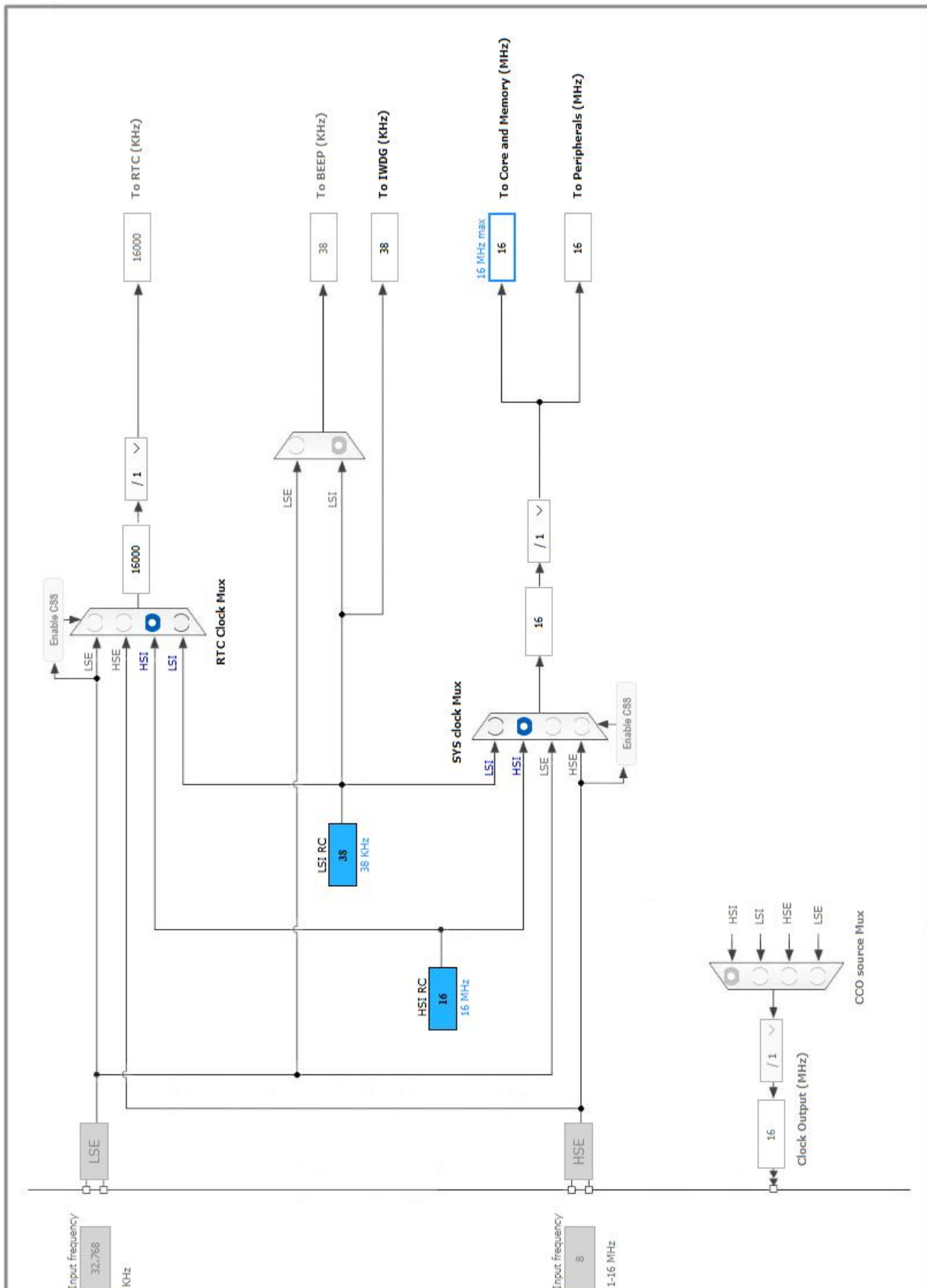


### 3. Pins Configuration

Pin Number TSSOP20	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
3	PA0	I/O	SYS_SWIM	SWIM
4	NRST/PA1	Reset		
7	VSS/VREF-/VSSA	Power		
8	VDD/VDDA/VREF+	Power		
9	PD0 *	I/O	GPIO_Output	LED_RED
10	PB0 *	I/O	GPIO_Output	LED_GREEN
12	PB2 *	I/O	GPIO_Output	BUZZER
14	PB4	I/O	ADC1_IN14	CURRENT_SENSOR
16	PB6 *	I/O	GPIO_Input	TILT_SWITCH
17	PB7 *	I/O	GPIO_Output	TRIAC_1
18	PC0 *	I/O	GPIO_Output	TRIAC_0

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

## 4. Clock Tree Configuration



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

### 5.1. Microcontroller Selection

Series	STM8L
Line	STM8L Value Line
MCU	STM8L051F3Px
Datasheet	023465_Rev2

### 5.2. Parameter Selection

Temperature	25
Vdd	3.0