1. Description

1.1. Project

Project Name	stm8l051-switching
Board Name	No information
Generated with:	STM8CubeMX 1.5.0
Date	09/05/2024

1.2. MCU

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

2. Pinout Configuration
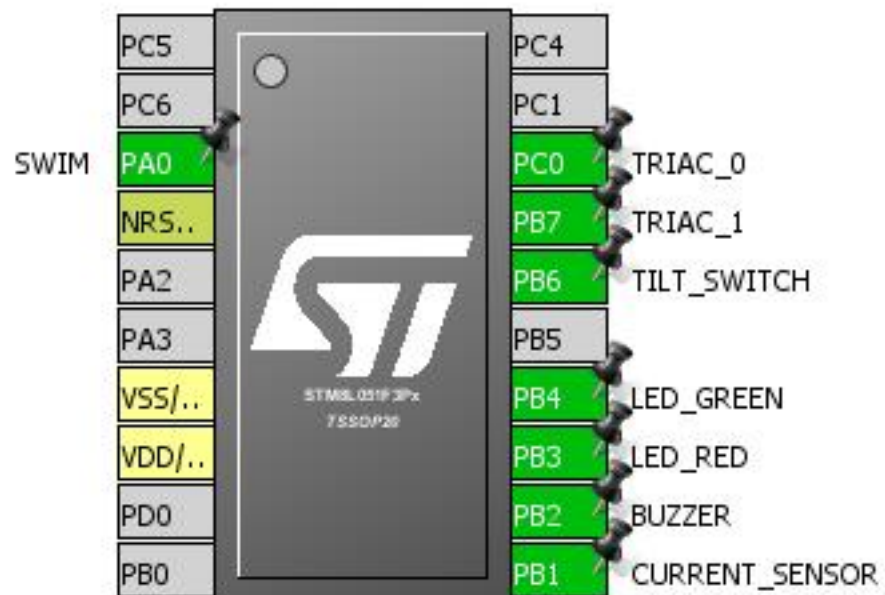
3. Pins Configuration

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		
11	PB1	I/O	ADC1_IN17	CURRENT_SENSOR
12	PB2 *	I/O	GPIO_Output	BUZZER
13	PB3 *	I/O	GPIO_Output	LED_RED
14	PB4 *	I/O	GPIO_Output	LED_GREEN
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
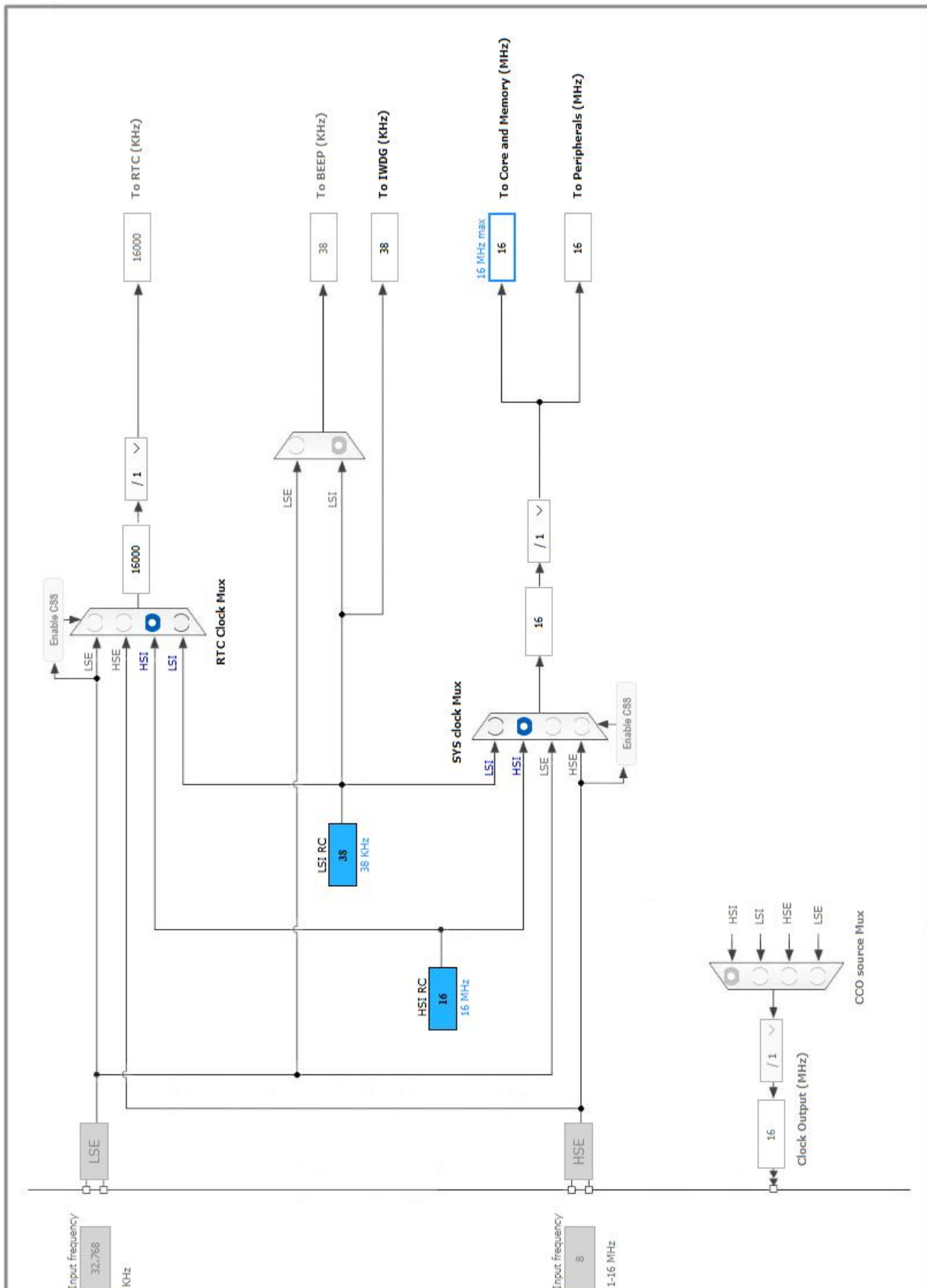
5. Power Consumption Calculator report

5.1. Microcontroller Selection

Series	STM8L
Line	STM8L Value Line
MCU	STM8L051F3Px
Datasheet	023465_Rev2

5.2. Parameter Selection

Temperature	25
Vdd	3.0