1. Description

1.1. Project

Project Name	cs
Board Name	No information
Generated with:	STM8CubeMX 1.5.0
Date	02/09/2021

1.2. MCU

MCU Series	STM8L
MCU Line	STM8L Value Line
MCU name	STM8L050J3Mx
MCU Package	SO8
MCU Pin number	8

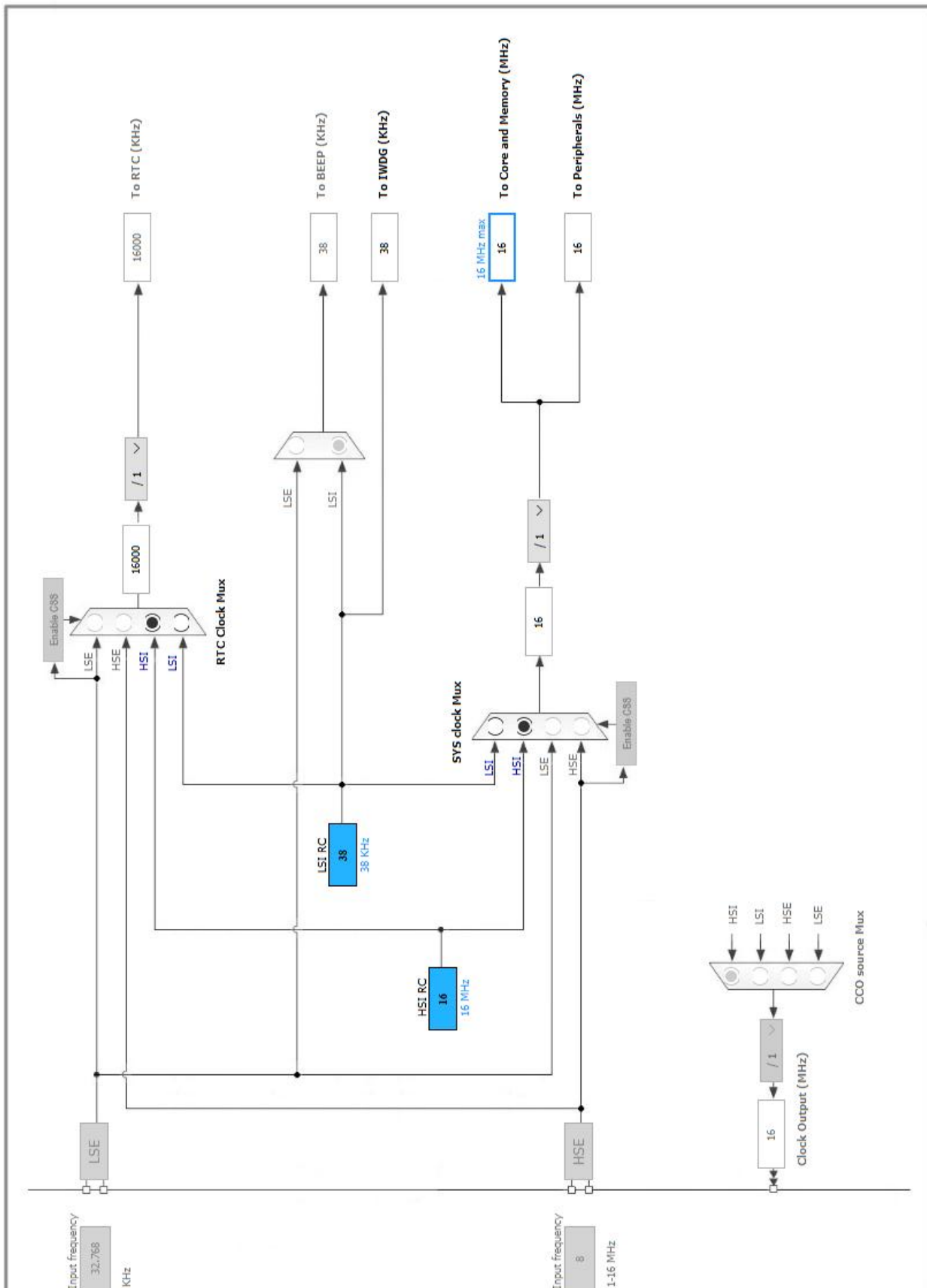# *2. Pinout Configuration*
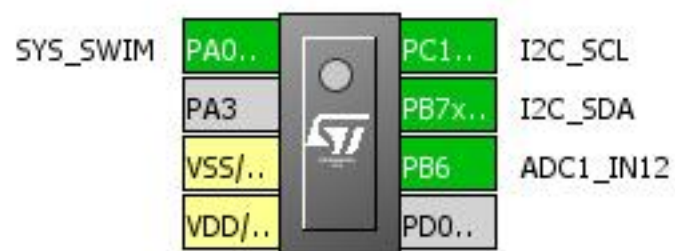
3. Pins Configuration

Pin Number SO8	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
1	PA0xPC6xPA2	I/O	SYS_SWIM	
3	VSS/VREF-/VSSA	Power		
4	VDD/VDDA/VREF+	Power		
6	PB6	I/O	ADC1_IN12	
7	PB7xPC0	I/O	I2C_SDA	
8	PC1xPC4xPC5	I/O	I2C_SCL	

4. Clock Tree Configuration

5. Power Consumption Calculator report

5.1. Microcontroller Selection

Series	STM8L
Line	STM8L Value Line
MCU	STM8L050J3Mx
Datasheet	030676_Rev1

5.2. Parameter Selection

Temperature	25
Vdd	3.0

5.3. Sequence

Step	Step1
Mode	RUN
Vdd	3.0
Voltage Source	Battery
Range	No Scale
Fetch Type	RAM
Clock Configuration	HSI
Clock Source Frequency	16.0 MHz
CPU Frequency	16.0 MHz
Peripherals	ADC1 DMA1 I2C
Additional Cons.	0 mA
Average Current	3.48 mA
Duration	1 ms
DMIPS	16.0
Ta Max	103.94
Category	In DS Table

5.4. RESULTS

Sequence Time	1 ms	Average Current	3.48 mA
Battery Life	0	Average DMIPS	16.0 DMIPS

5.5. Chart