1. Description

1.1. Project

Project Name	garagedoor
Board Name	No information
Generated with:	STM8CubeMX 1.5.0
Date	08/17/2020

1.2. MCU

MCU Series	STM8S
MCU Line	STM8S Value Line
MCU name	STM8S003F3Px
MCU Package	TSSOP20
MCU Pin number	20

2. Pinout Configuration
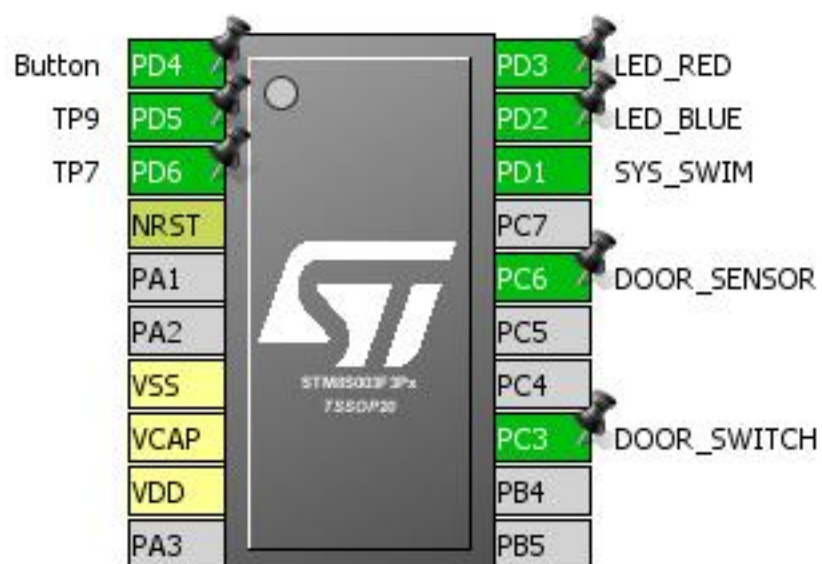
3. Pins Configuration

Pin Number TSSOP20	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
1	PD4 *	I/O	GPIO_Input	Button
2	PD5	I/O	UART1_TX	TP9
3	PD6	I/O	UART1_RX	TP7
4	NRST	Reset		
7	VSS	Power		
8	VCAP	Power		
9	VDD	Power		
13	PC3 *	I/O	GPIO_Output	DOOR_SWITCH
16	PC6 *	I/O	GPIO_Input	DOOR_SENSOR
18	PD1	I/O	SYS_SWIM	
19	PD2 *	I/O	GPIO_Output	LED_BLUE
20	PD3 *	I/O	GPIO_Output	LED_RED

* The pin is affected with an I/O function

4. Clock Tree Configuration
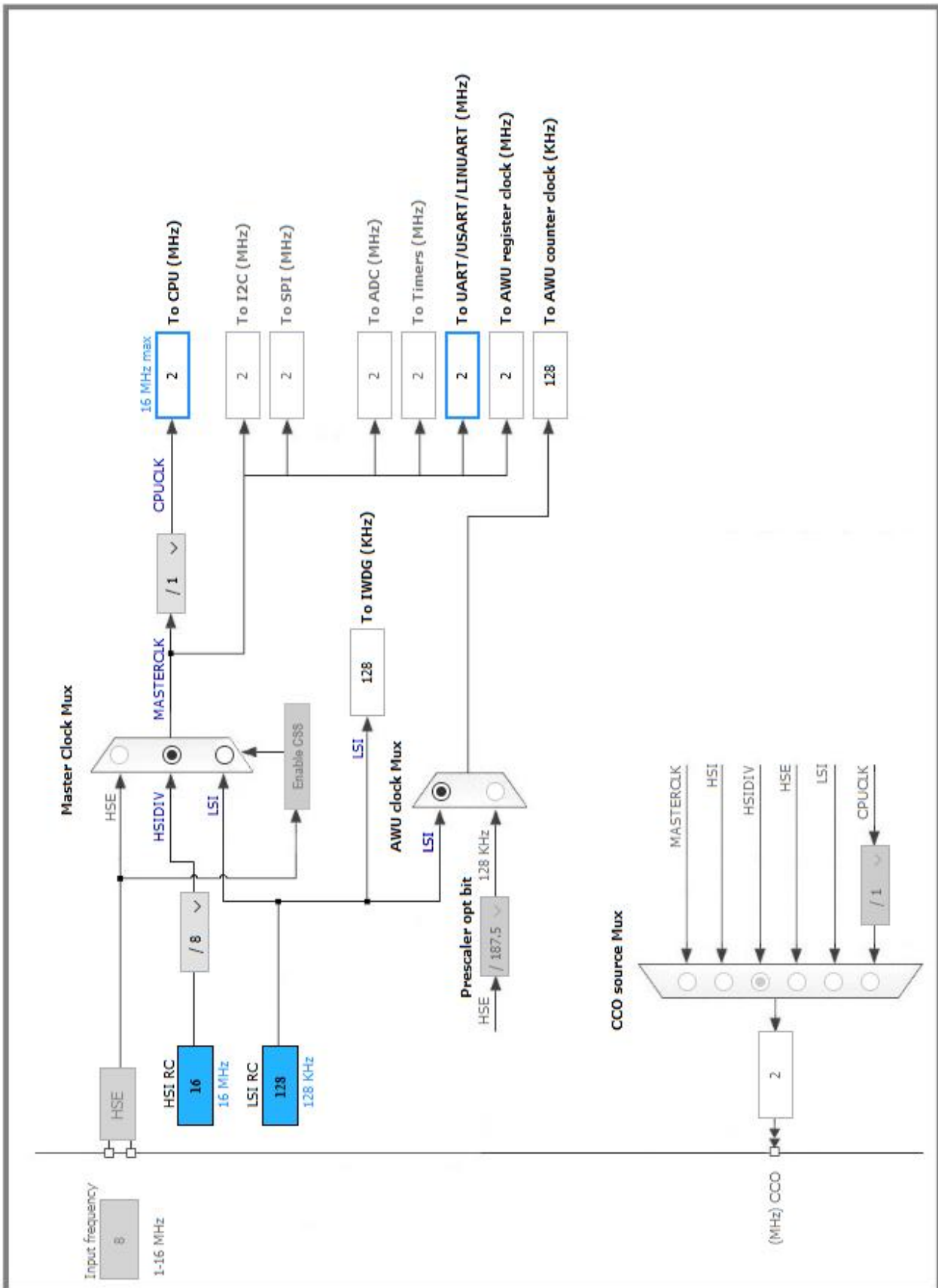
5. Power Consumption Calculator report

5.1. Microcontroller Selection

Series	STM8S
Line	STM8S Value Line
MCU	STM8S003F3Px
Datasheet	18576_Rev8

5.2. Parameter Selection

Temperature	25
Vdd	null