1. Description

1.1. Project

Project Name	DawnAlarm
Board Name	No information
Generated with:	STM8CubeMX 1.4.0
Date	02/03/2020

1.2. MCU

MCU Series	STM8S
MCU Line	STM8S103/105
MCU name	STM8S103F3Px
MCU Package	TSSOP20
MCU Pin number	20

2. Pinout Configuration
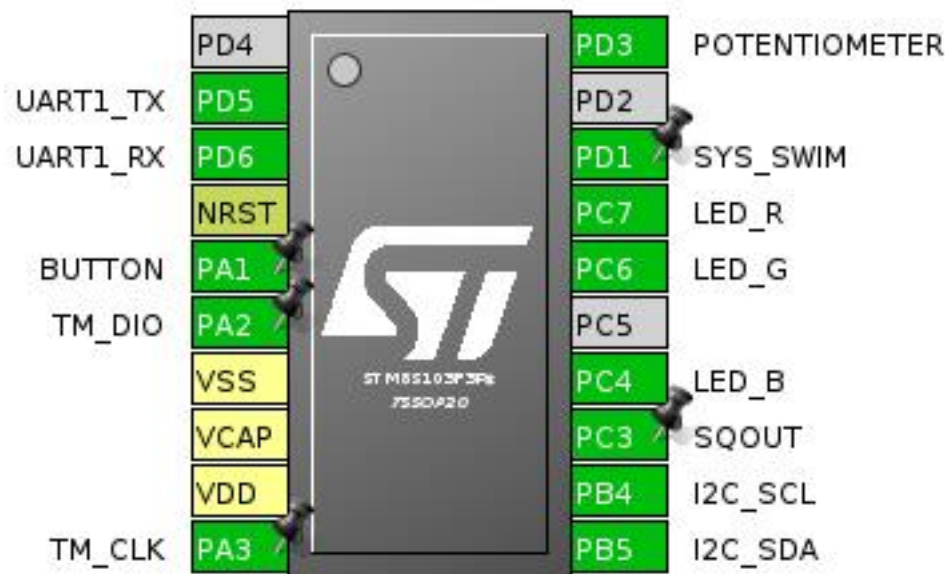
3. Pins Configuration

Pin Number TSSOP20	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
2	PD5	I/O	UART1_TX	
3	PD6	I/O	UART1_RX	
4	NRST	Reset		
5	PA1 *	I/O	GPIO_Input	BUTTON
6	PA2 *	I/O	GPIO_Output	TM_DIO
7	VSS	Power		
8	VCAP	Power		
9	VDD	Power		
10	PA3 *	I/O	GPIO_Output	TM_CLK
11	PB5	I/O	I2C_SDA	
12	PB4	I/O	I2C_SCL	
13	PC3 *	I/O	GPIO_Input	SQOUT
14	PC4	I/O	TIM1_CH4	LED_B
16	PC6	I/O	TIM1_CH1	LED_G
17	PC7	I/O	TIM1_CH2	LED_R
18	PD1	I/O	SYS_SWIM	
20	PD3	I/O	ADC_IN4	POTENTIOMETER

 * The pin is affected with an I/O function

4. Clock Tree Configuration
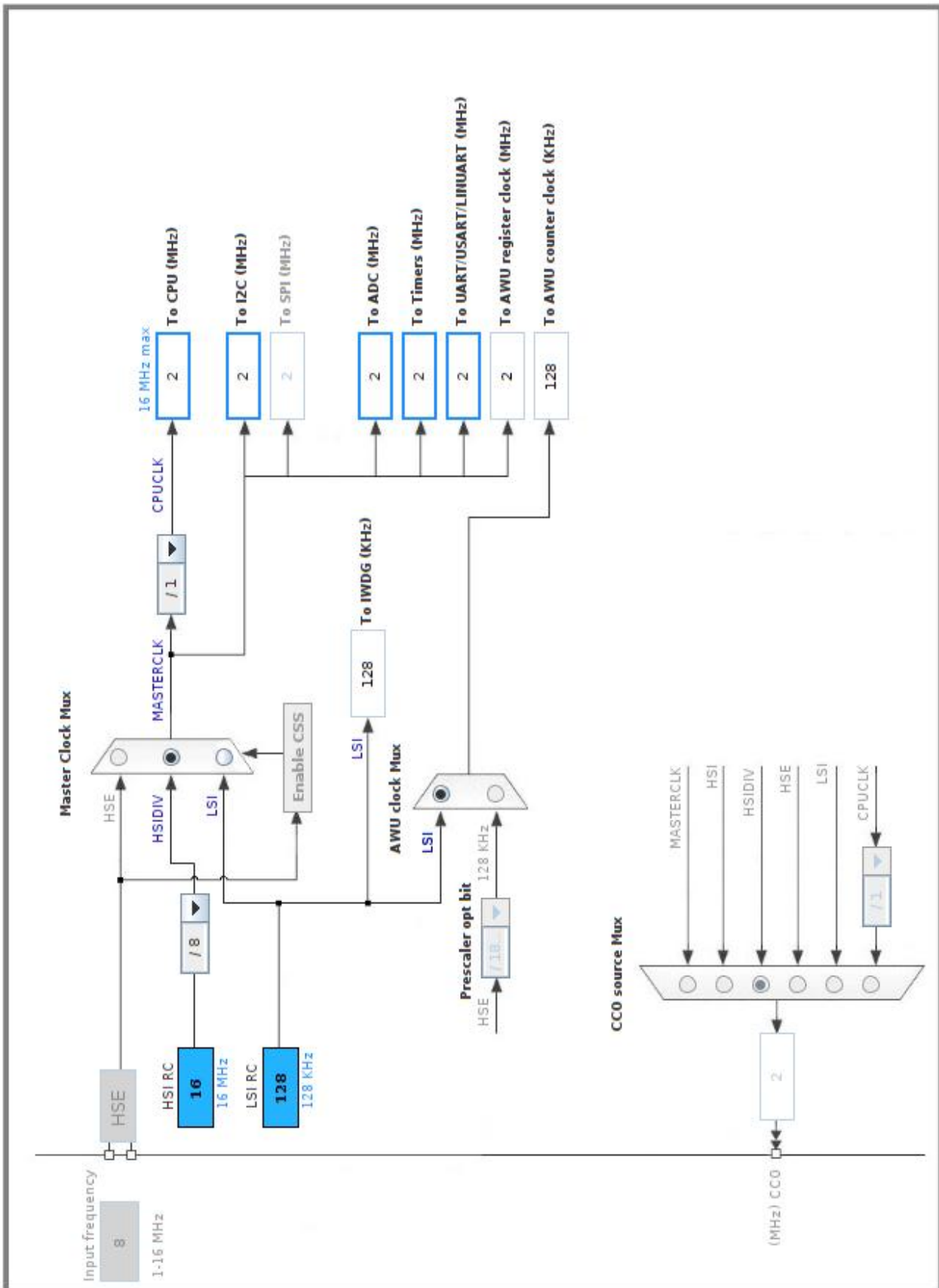
5. Power Consumption Calculator report

5.1. Microcontroller Selection

Series	STM8S
Line	STM8S103/105
MCU	STM8S103F3Px
Datasheet	15441_Rev13

5.2. Parameter Selection

Temperature	25
Vdd	null