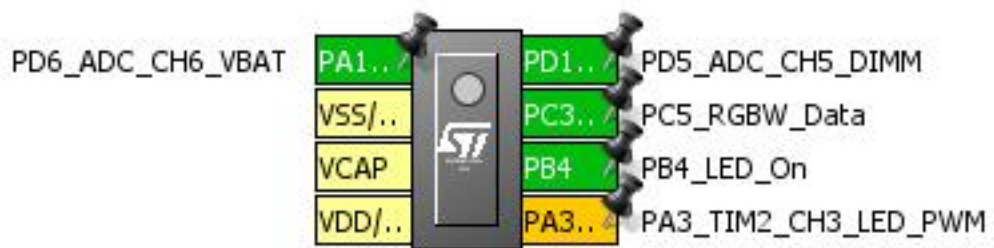# 1. Description

1.1. Project

Project Name	stm8s001j3_SG_micro_pinout
Board Name	No information
Generated with:	STM8CubeMX 1.5.0
Date	03/07/2021

1.2. MCU

MCU Series	STM8S
MCU Line	STM8S Value Line
MCU name	STM8S001J3Mx
MCU Package	SO8
MCU Pin number	8

2. Pinout Configuration

PD6_ADC_CH6_VBAT — PA1..

VSS/..

VCAP

VDD/..

PD1.. — PD5_ADC_CH5_DIMM

PC3.. — PC5_RGBW_Data

PB4 — PB4_LED_On

PA3.. — PA3_TIM2_CH3_LED_PWM

3. Pins Configuration

Pin Number SO8	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
1	PA1xPD6	I/O	ADC_IN6	PD6_ADC_CH6_VBAT
2	VSS/VSSA	Power		
3	VCAP	Power		
4	VDD/VDDA	Power		
5	PA3xPB5 *	I/O	TIM2_CH3	PA3_TIM2_CH3_LED_PWM
6	PB4 **	I/O	GPIO_Output	PB4_LED_On
7	PC3xPC4xPC5 **	I/O	GPIO_Output	PC5_RGBW_Data
8	PD1xPD5xPC6xPD3	I/O	ADC_IN5	PD5_ADC_CH5_DIMM

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

 * The pin is affected with a peripheral function but no peripheral mode is activated

4. Clock Tree Configuration
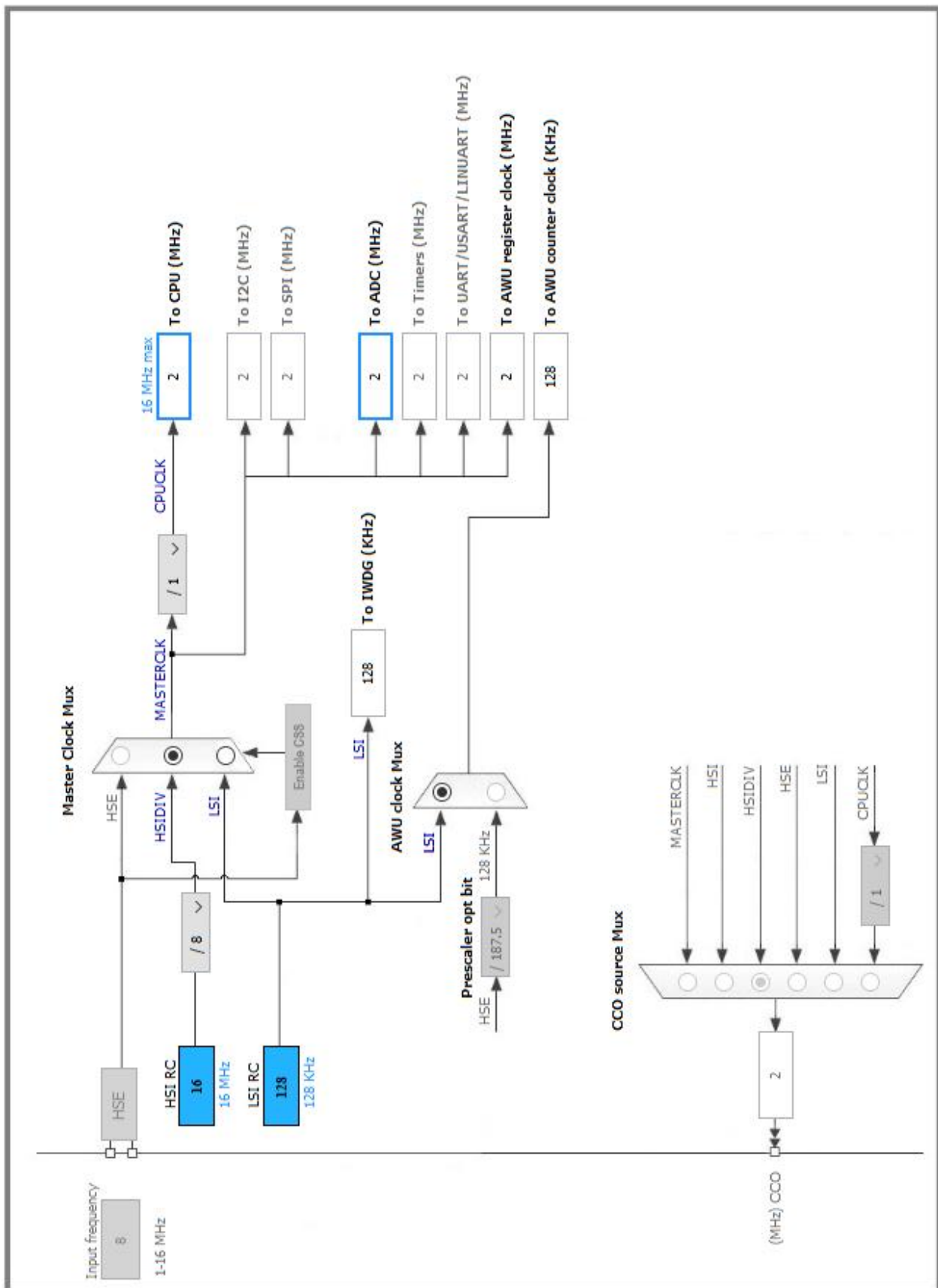
5. Power Consumption Calculator report

5.1. Microcontroller Selection

Series	STM8S
Line	STM8S Value Line
MCU	STM8S001J3Mx
Datasheet	030584_Rev1

5.2. Parameter Selection

Temperature	25
Vdd	null