# *1. Description*

## 1.1. Project

| | |
|---|---|
| Project Name | CL1 |
| Board Name | No information |
| Generated with: | STM8CubeMX 1.4.0 |
| Date | 11/20/2019 |

## 1.2. MCU

| | |
|---|---|
| MCU Series | STM8AF |
| MCU Line | STM8AF52 |
| MCU name | STM8AF5288Tx |
| MCU Package | LQFP48 |
| MCU Pin number | 48 |

# 2. Pinout Configuration
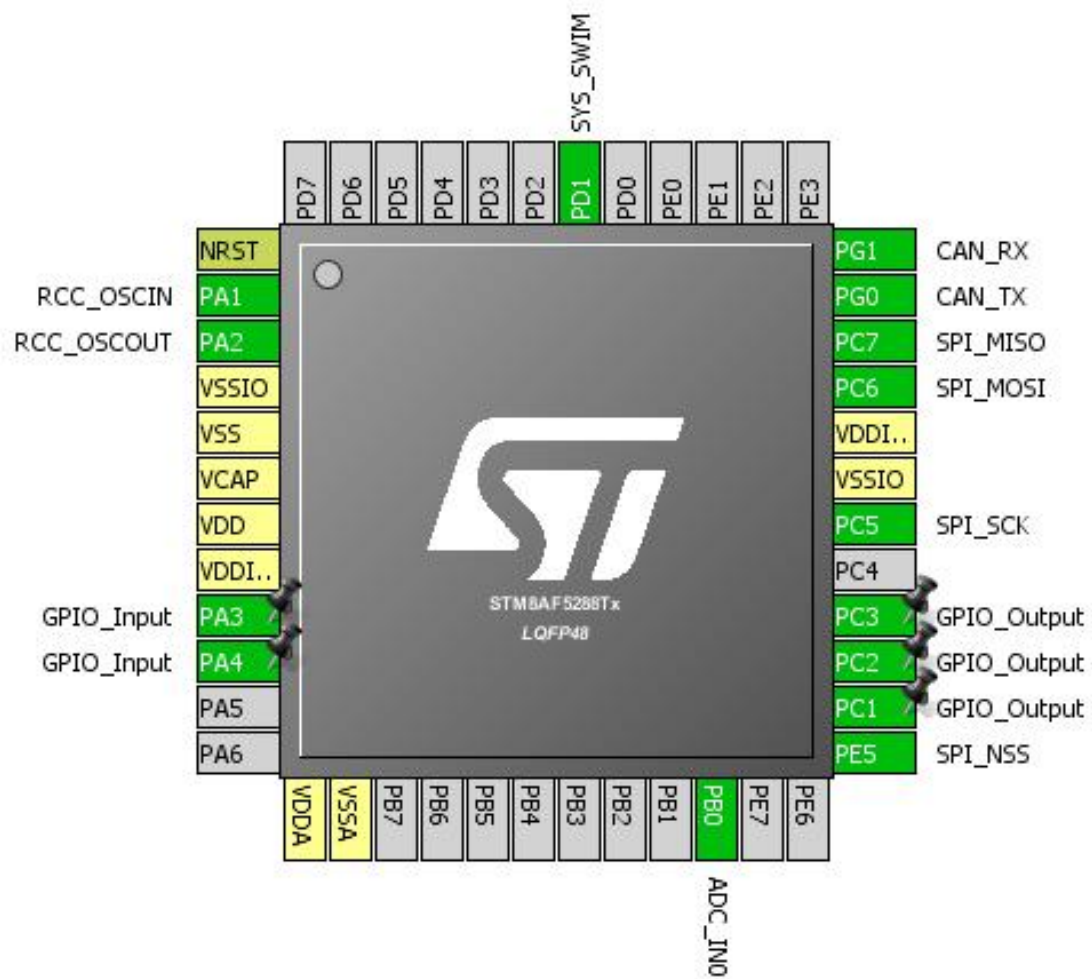
# 3. Pins Configuration

| Pin Number LQFP48 | Pin Name (function after reset) | Pin Type | Alternate Function(s) | Label |
|---|---|---|---|---|
| 1 | NRST | Reset | | |
| 2 | PA1 | I/O | RCC_OSCIN | |
| 3 | PA2 | I/O | RCC_OSCOUT | |
| 4 | VSSIO | Power | | |
| 5 | VSS | Power | | |
| 6 | VCAP | Power | | |
| 7 | VDD | Power | | |
| 8 | VDDIO | Power | | |
| 9 | PA3 * | I/O | GPIO_Input | |
| 10 | PA4 * | I/O | GPIO_Input | |
| 13 | VDDA | Power | | |
| 14 | VSSA | Power | | |
| 22 | PB0 | I/O | ADC_IN0 | |
| 25 | PE5 | I/O | SPI_NSS | |
| 26 | PC1 * | I/O | GPIO_Output | |
| 27 | PC2 * | I/O | GPIO_Output | |
| 28 | PC3 * | I/O | GPIO_Output | |
| 30 | PC5 | I/O | SPI_SCK | |
| 31 | VSSIO | Power | | |
| 32 | VDDIO | Power | | |
| 33 | PC6 | I/O | SPI_MOSI | |
| 34 | PC7 | I/O | SPI_MISO | |
| 35 | PG0 | I/O | CAN_TX | |
| 36 | PG1 | I/O | CAN_RX | |
| 42 | PD1 | I/O | SYS_SWIM | |

* The pin is affected with an I/O function

# 4. Clock Tree Configuration
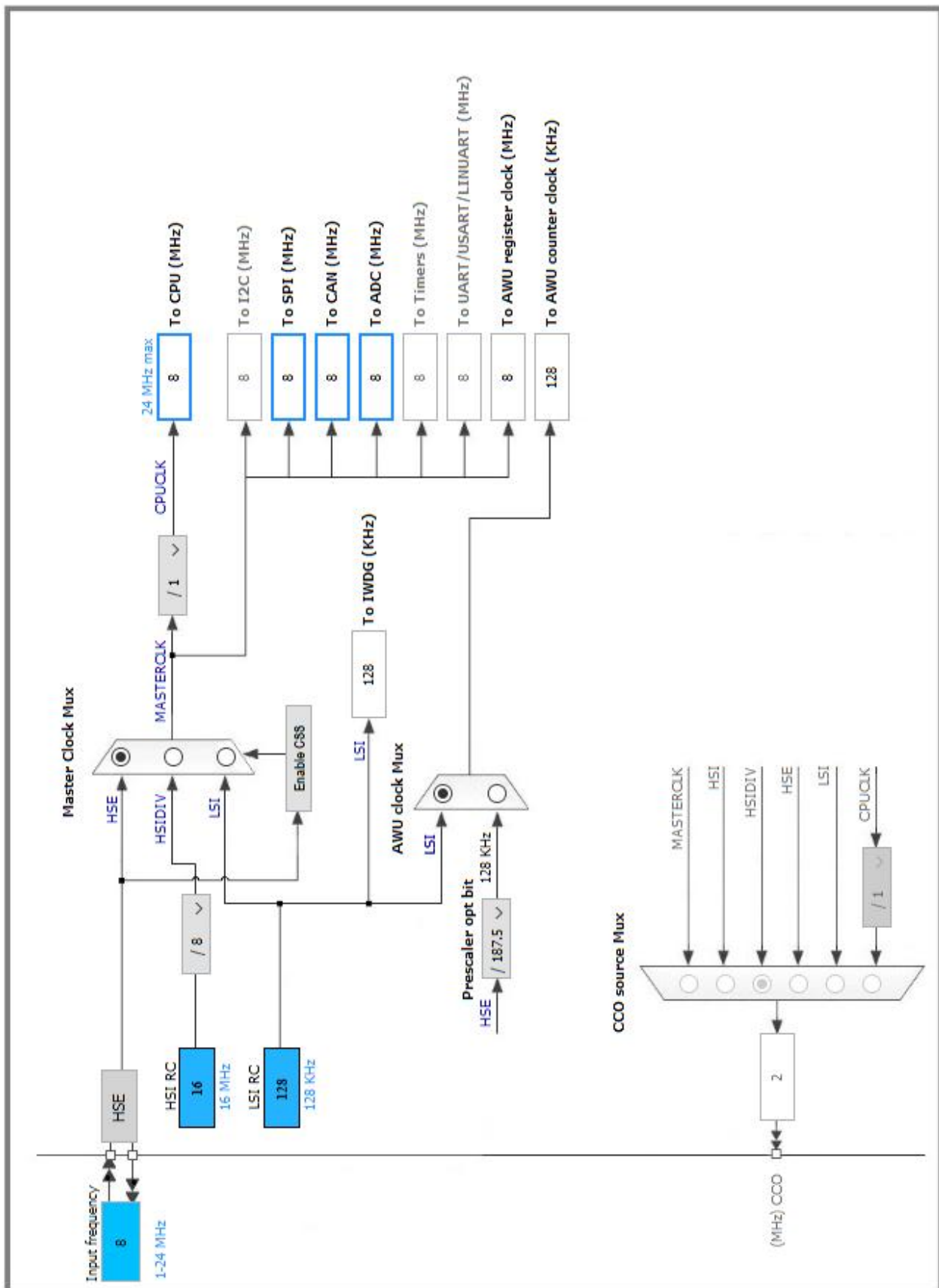
# 5. Power Consumption Calculator report

## 5.1. Microcontroller Selection

| Series | STM8AF |
|---|---|
| Line | STM8AF52 |
| MCU | STM8AF5288Tx |
| Datasheet | 14395_Rev15 |

## 5.2. Parameter Selection

| Temperature | 25 |
|---|---|
| Vdd | 5.0 |