# *1. Description*

## 1.1. Project

| | |
|---|---|
| Project Name | MotherBoard |
| Board Name | No information |
| Generated with: | STM8CubeMX 1.1.0 |
| Date | 08/16/2019 |

## 1.2. MCU

| | |
|---|---|
| MCU Series | STM8L |
| MCU Line | STM8L151/152 |
| MCU name | STM8L151K4Tx |
| MCU Package | LQFP32 |
| MCU Pin number | 32 |

# 2. Pinout Configuration
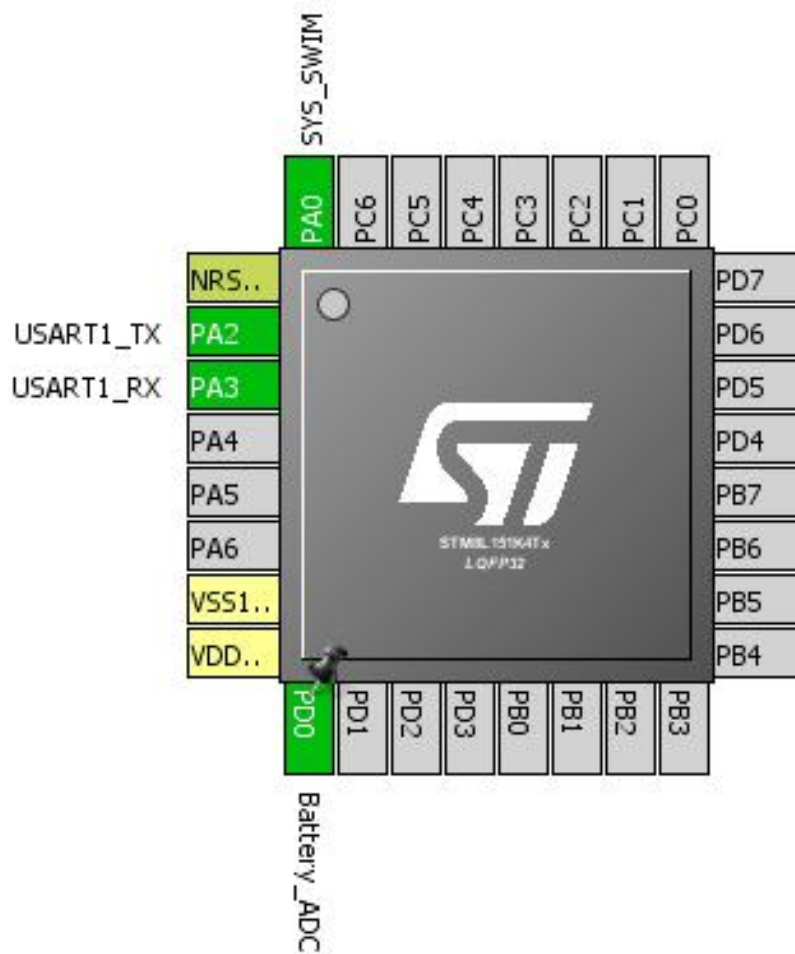
## *3. Pins Configuration*

| Pin Number LQFP32 | Pin Name (function after reset) | Pin Type | Alternate Function(s) | Label |
|---|---|---|---|---|
| 1 | NRST/PA1 | Reset | | |
| 2 | PA2 | I/O | USART1_TX | |
| 3 | PA3 | I/O | USART1_RX | |
| 7 | VSS1/VSSA/VREF- | Power | | |
| 8 | VDD1/VDDA/VREF+ | Power | | |
| 9 | PD0 | I/O | ADC1_IN22 | Battery_ADC |
| 32 | PA0 | I/O | SYS_SWIM | |

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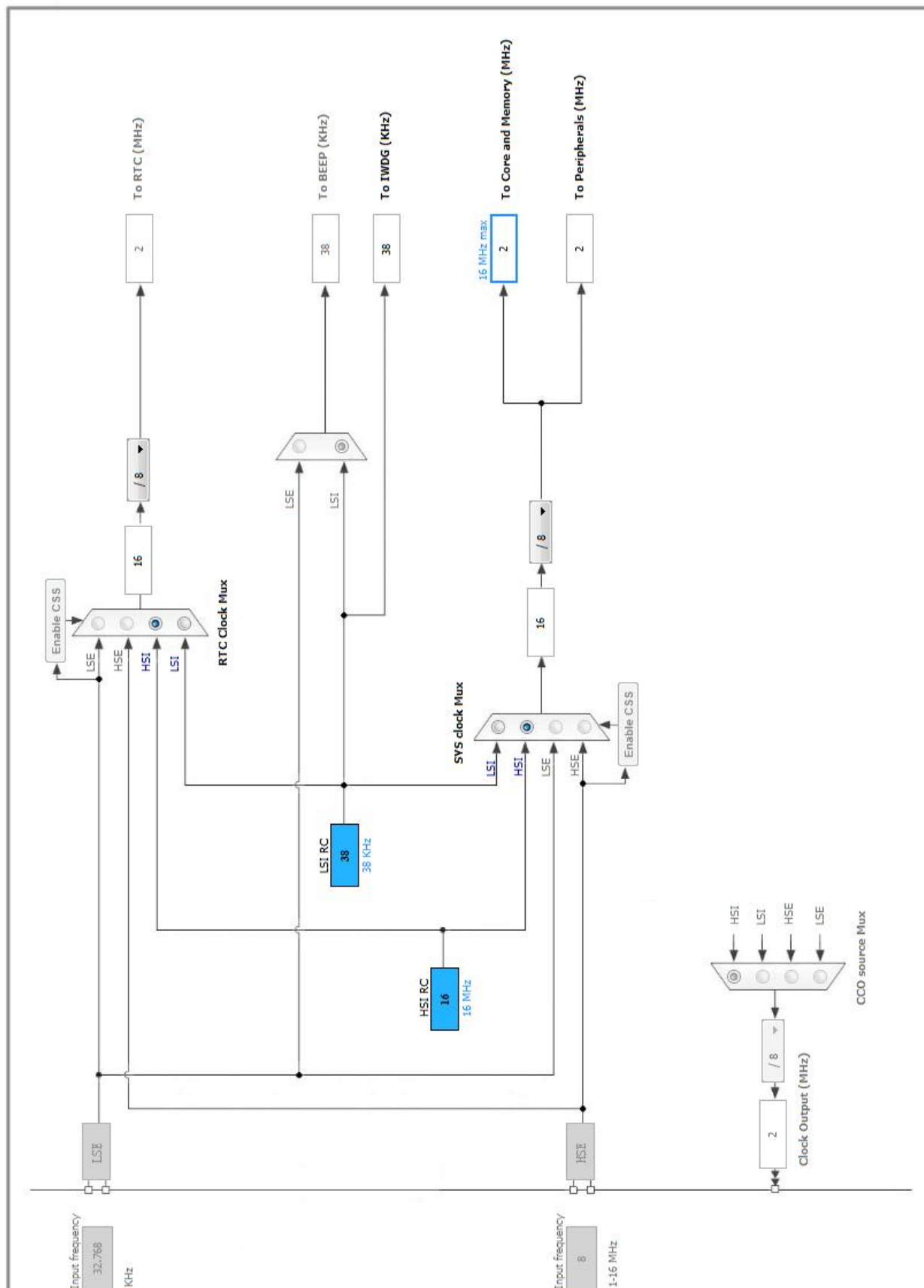
# *5. Power Consumption Calculator report*

## 5.1. Microcontroller Selection

| | |
|---|---|
| Series | STM8L |
| Line | STM8L151/152 |
| MCU | STM8L151K4Tx |
| Datasheet | 15962_Rev14 |

## 5.2. Parameter Selection

| | |
|---|---|
| Temperature | 25 |
| Vdd | 3.0 |