1. Description

1.1. Project

Project Name	stepper_driver
Board Name	No information
Generated with:	STM8CubeMX 1.3.0
Date	08/28/2018

1.2. MCU

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

2. Pinout Configuration
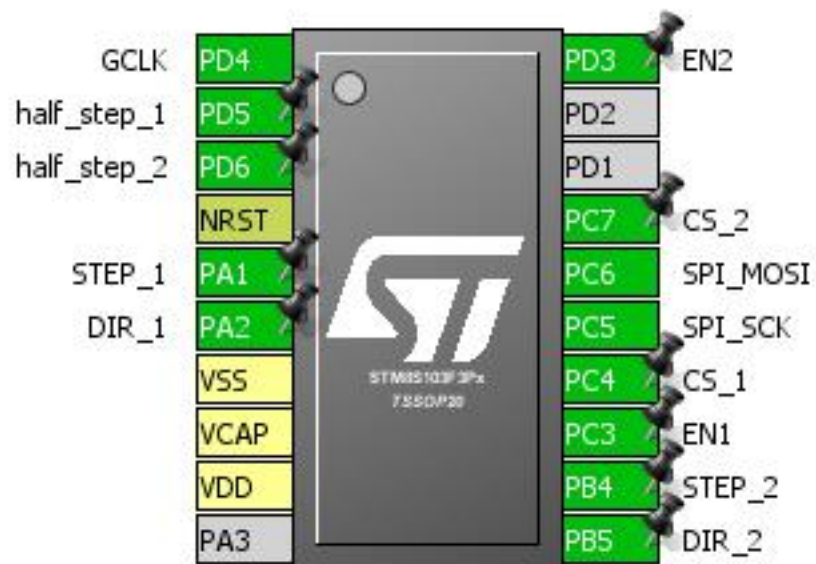
3. Pins Configuration

Pin Number TSSOP20	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
1	PD4	I/O	TIM2_CH1	GCLK
2	PD5 *	I/O	GPIO_Input	half_step_1
3	PD6 *	I/O	GPIO_Input	half_step_2
4	NRST	Reset		
5	PA1 *	I/O	GPIO_Input	STEP_1
6	PA2 *	I/O	GPIO_Input	DIR_1
7	VSS	Power		
8	VCAP	Power		
9	VDD	Power		
11	PB5 *	I/O	GPIO_Input	DIR_2
12	PB4 *	I/O	GPIO_Input	STEP_2
13	PC3 *	I/O	GPIO_Output	EN1
14	PC4 *	I/O	GPIO_Output	CS_1
15	PC5	I/O	SPI_SCK	
16	PC6	I/O	SPI_MOSI	
17	PC7 *	I/O	GPIO_Output	CS_2
20	PD3 *	I/O	GPIO_Output	EN2

 * 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