

1. Description

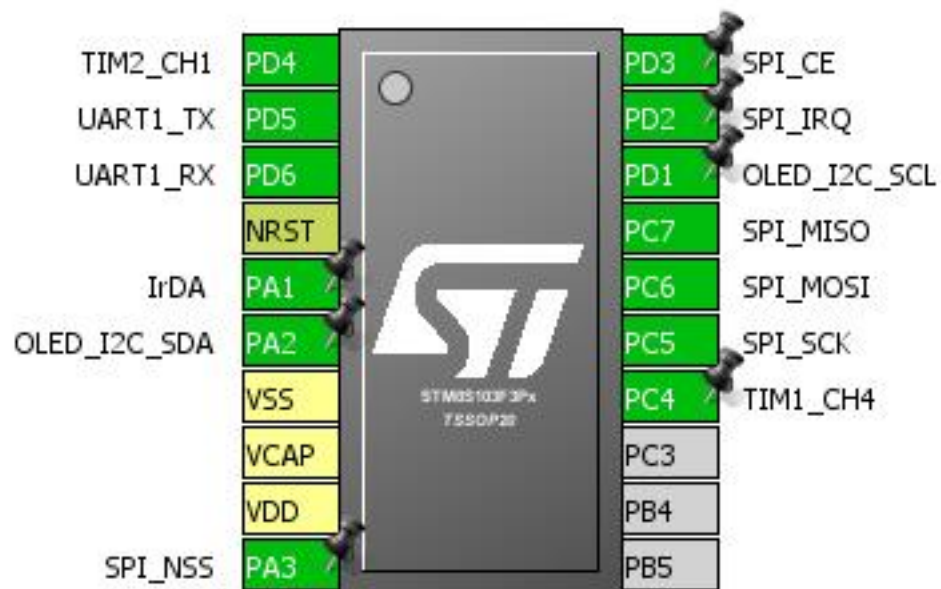
1.1. Project

Project Name	IO_Cubemx
Board Name	No information
Generated with:	STM8CubeMX 1.5.0
Date	11/12/2021

1.2. MCU

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

2. Pinout Configuration

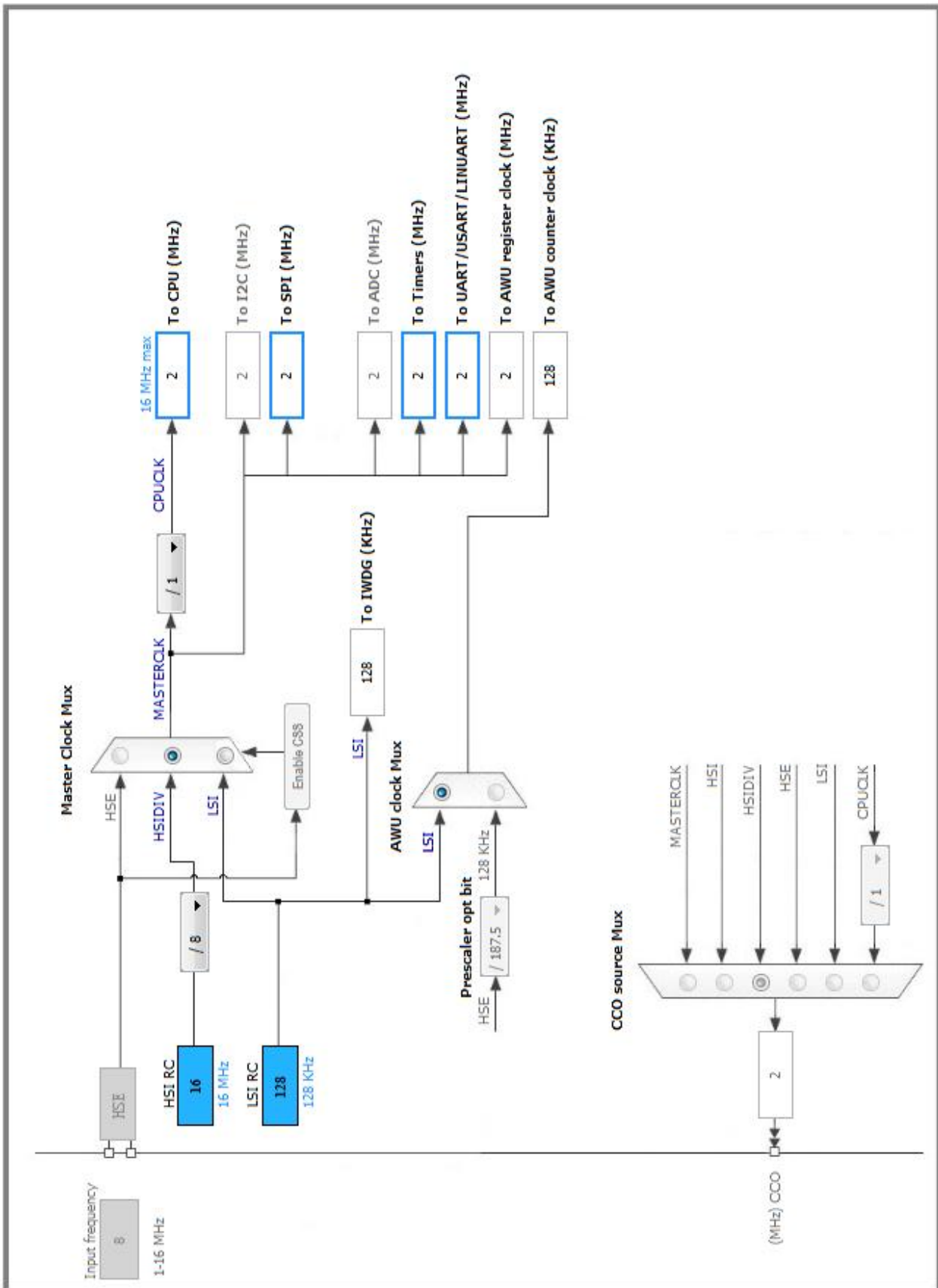


3. Pins Configuration

Pin Number TSSOP20	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
1	PD4	I/O	TIM2_CH1	
2	PD5	I/O	UART1_TX	
3	PD6	I/O	UART1_RX	
4	NRST	Reset		
5	PA1 *	I/O	GPIO_Input	IrDA
6	PA2 *	I/O	GPIO_Output	OLED_I2C_SDA
7	VSS	Power		
8	VCAP	Power		
9	VDD	Power		
10	PA3	I/O	SPI_NSS	
14	PC4	I/O	TIM1_CH4	
15	PC5	I/O	SPI_SCK	
16	PC6	I/O	SPI_MOSI	
17	PC7	I/O	SPI_MISO	
18	PD1 *	I/O	GPIO_Output	OLED_I2C_SCL
19	PD2 *	I/O	GPIO_Input	SPI_IRQ
20	PD3 *	I/O	GPIO_Output	SPI_CE

* 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	3.3

5.3. Battery Selection

Battery	Zinc-Air(650)
Capacity	650.0 mAh
Self Discharge	0.4 %/month
Nominal Voltage	1.4 V
Max Cont Current	25.0 mA
Max Pulse Current	0.0 mA
Cells in series	1
Cells in parallel	1