

1. Description

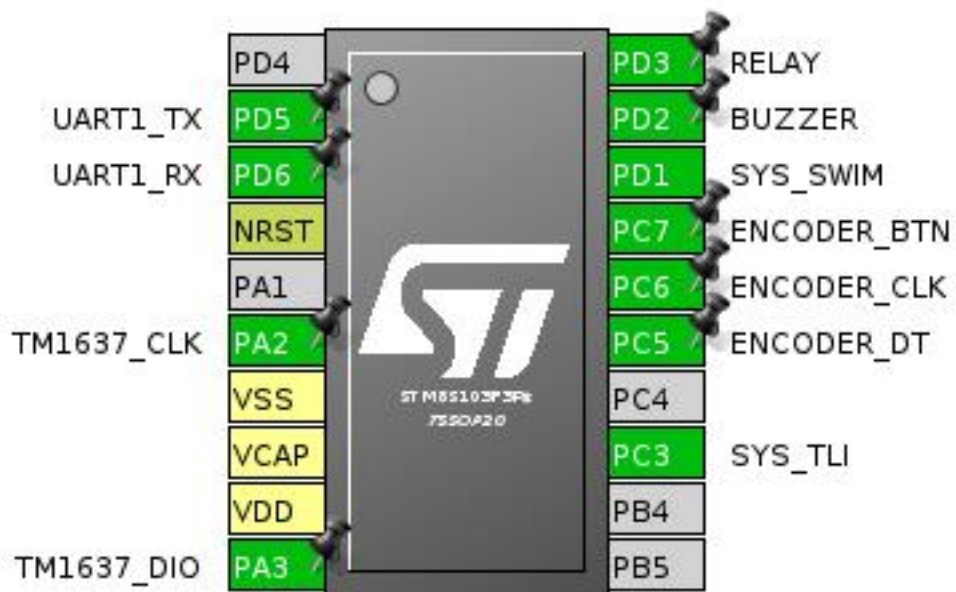
1.1. Project

Project Name	MCU-Pinout
Board Name	No information
Generated with:	STM8CubeMX 1.5.0
Date	07/17/2021

1.2. MCU

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

2. Pinout Configuration

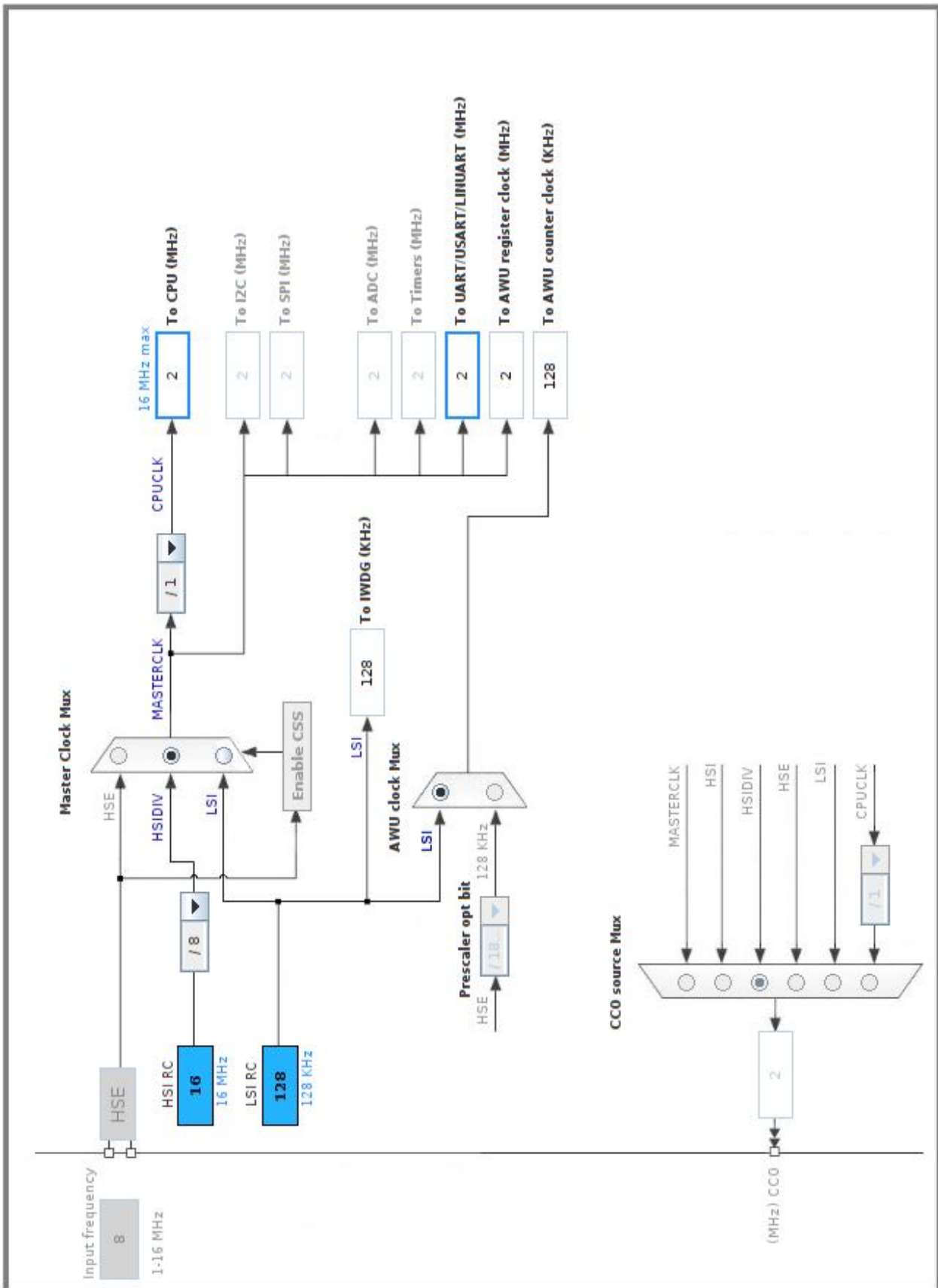


3. Pins Configuration

Pin Number TSSOP20	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
2	PD5	I/O	UART1_TX	
3	PD6	I/O	UART1_RX	
4	NRST	Reset		
6	PA2 *	I/O	GPIO_Output	TM1637_CLK
7	VSS	Power		
8	VCAP	Power		
9	VDD	Power		
10	PA3 *	I/O	GPIO_Output	TM1637_DIO
13	PC3	I/O	SYS_TLI	
15	PC5 *	I/O	GPIO_Input	ENCODER_DT
16	PC6 *	I/O	GPIO_Input	ENCODER_CLK
17	PC7 *	I/O	GPIO_Input	ENCODER_BTN
18	PD1	I/O	SYS_SWIM	
19	PD2 *	I/O	GPIO_Output	BUZZER
20	PD3 *	I/O	GPIO_Output	RELAY

* 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