

1. Description

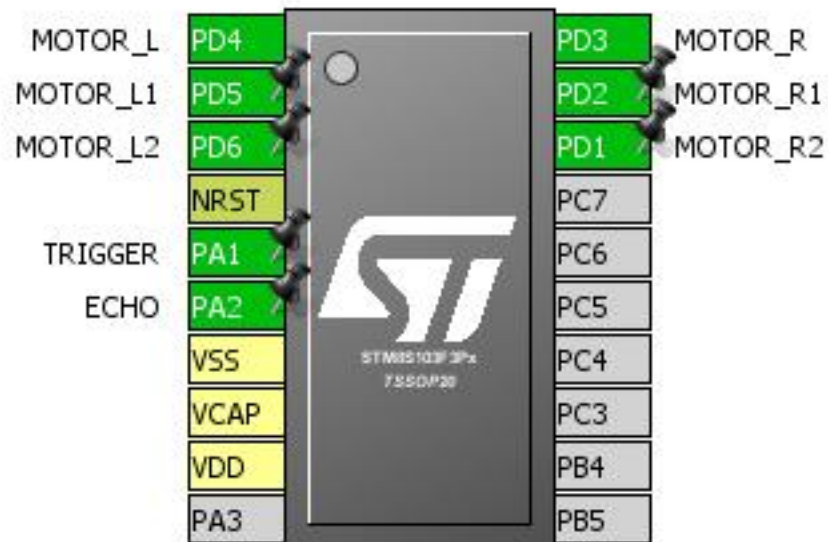
1.1. Project

Project Name	AutonomousCar
Board Name	No information
Generated with:	STM8CubeMX 1.5.0
Date	06/03/2025

1.2. MCU

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

2. Pinout Configuration

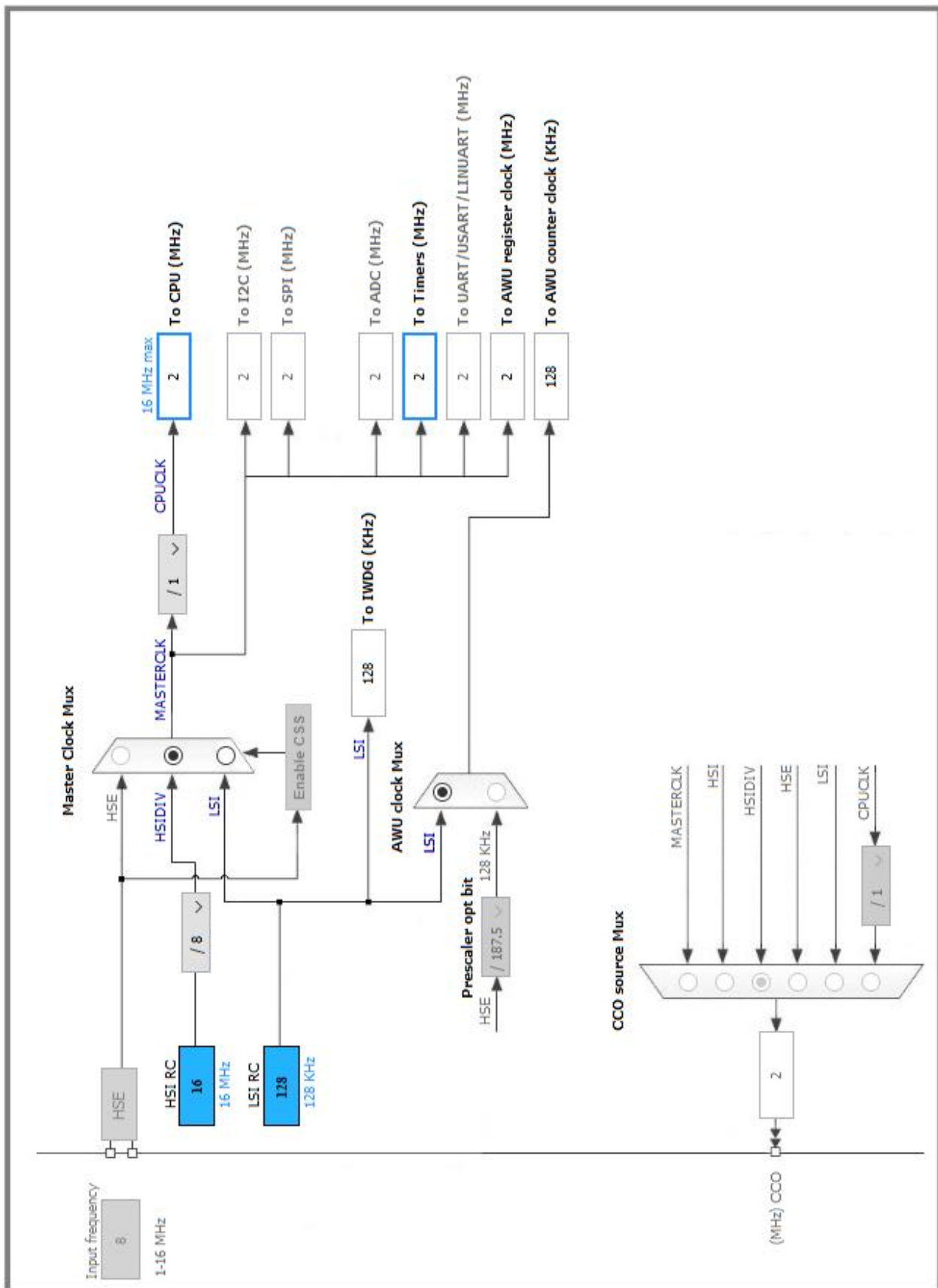


3. Pins Configuration

Pin Number TSSOP20	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
1	PD4	I/O	TIM2_CH1	MOTOR_L
2	PD5 *	I/O	GPIO_Output	MOTOR_L1
3	PD6 *	I/O	GPIO_Output	MOTOR_L2
4	NRST	Reset		
5	PA1 *	I/O	GPIO_Output	TRIGGER
6	PA2 *	I/O	GPIO_Input	ECHO
7	VSS	Power		
8	VCAP	Power		
9	VDD	Power		
18	PD1 *	I/O	GPIO_Output	MOTOR_R2
19	PD2 *	I/O	GPIO_Output	MOTOR_R1
20	PD3	I/O	TIM2_CH2	MOTOR_R

* 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