

1. Description

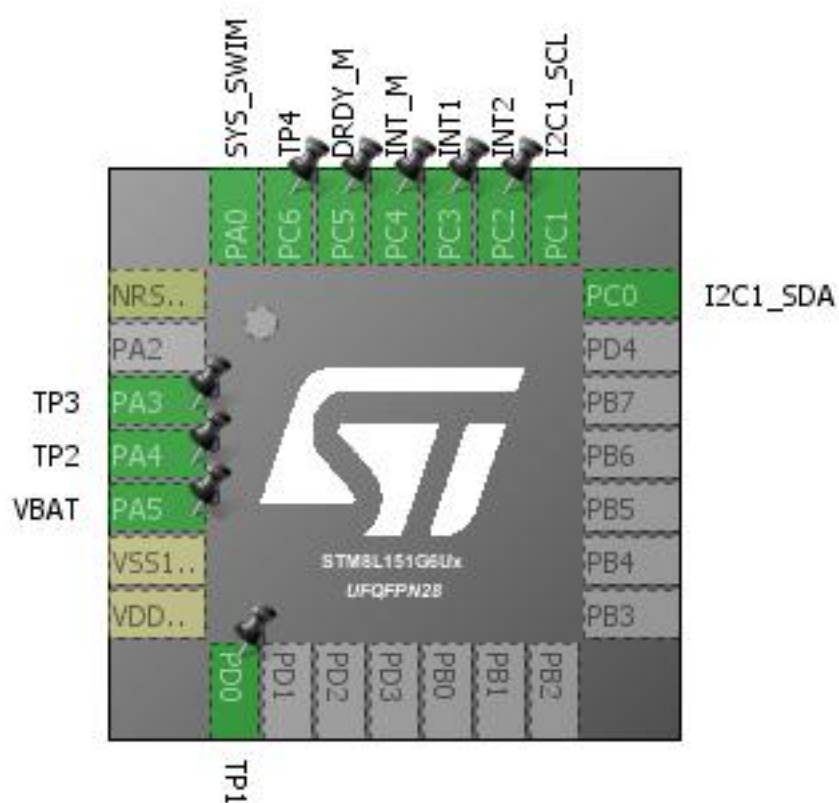
1.1. Project

Project Name	FMW_RP001
Board Name	No information
Generated with:	STM8CubeMX 1.4.0
Date	01/10/2020

1.2. MCU

MCU Series	STM8L
MCU Line	STM8L151/152
MCU name	STM8L151G6Ux
MCU Package	UFQFPN28
MCU Pin number	28

2. Pinout Configuration

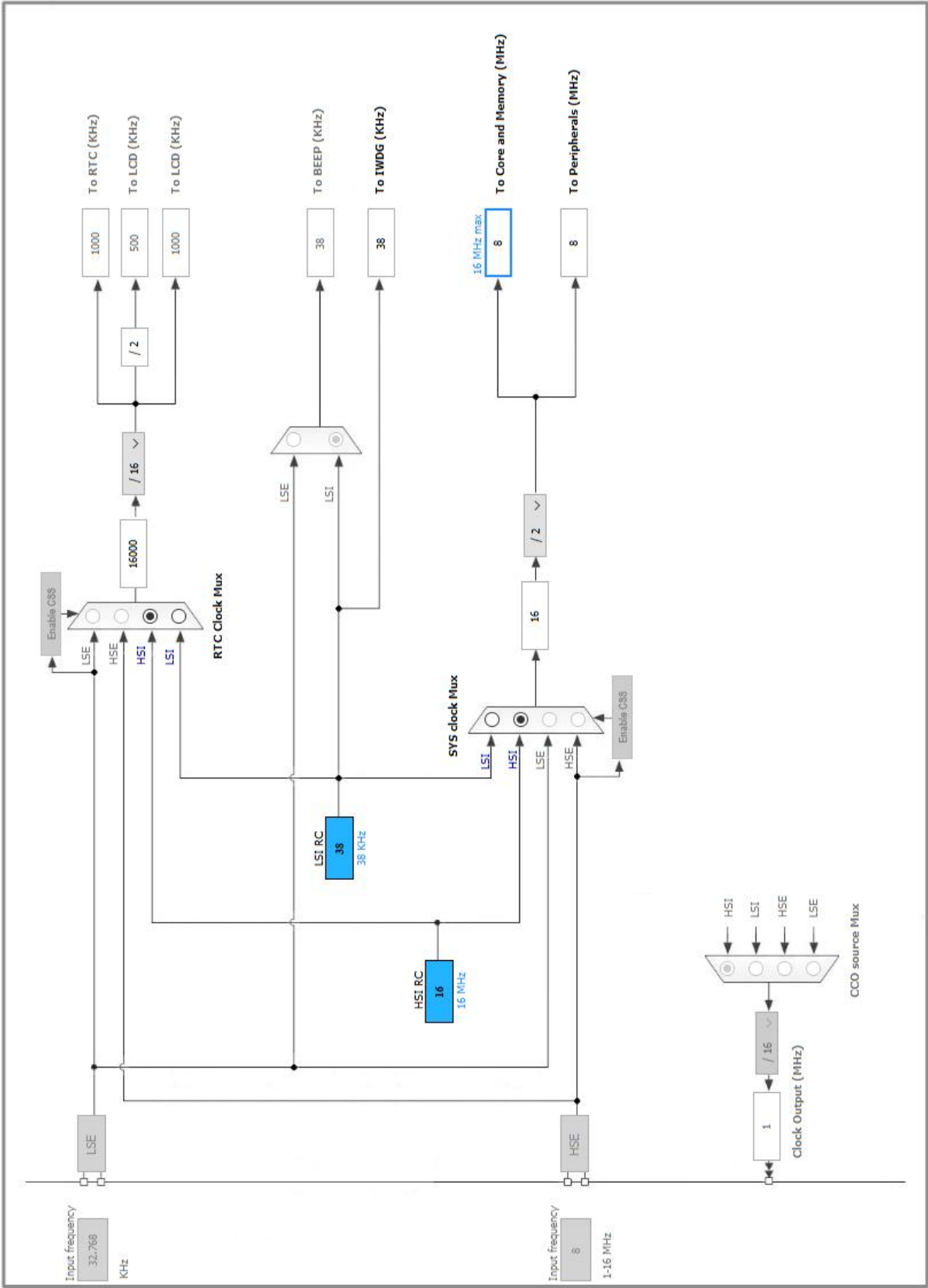


3. Pins Configuration

Pin Number UFQFPN28	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
1	NRST/PA1	Reset		
3	PA3 *	I/O	GPIO_Analog	TP3
4	PA4	I/O	ADC1_IN2	TP2
5	PA5	I/O	ADC1_IN1	VBAT
6	VSS1/VSSA/VREF-	Power		
7	VDD1/VDDA/VREF+	Power		
8	PD0	I/O	ADC1_IN22	TP1
21	PC0	I/O	I2C1_SDA	
22	PC1	I/O	I2C1_SCL	
23	PC2 *	I/O	GPIO_Input	INT2
24	PC3 *	I/O	GPIO_Input	INT1
25	PC4 *	I/O	GPIO_Input	INT_M
26	PC5 *	I/O	GPIO_Input	DRDY_M
27	PC6 *	I/O	GPIO_Analog	TP4
28	PA0	I/O	SYS_SWIM	

* The pin is affected with an I/O function

4. Clock Tree Configuration



5. Power Consumption Calculator report

5.1. Microcontroller Selection

Series	STM8L
Line	STM8L151/152
MCU	STM8L151G6Ux
Datasheet	15962_Rev14

5.2. Parameter Selection

Temperature	25
Vdd	3.0

5.3. Battery Selection

Battery	Li-MnO ₂ (CR1225)
Capacity	48.0 mAh
Self Discharge	0.12 %/month
Nominal Voltage	3.0 V
Max Cont Current	1.0 mA
Max Pulse Current	5.0 mA
Cells in series	1
Cells in parallel	1