



1. Description

1.1. Project

Project Name	TEMP_UART_TASK1
Board Name	custom
Generated with:	STM32CubeMX 6.12.0
Date	08/19/2024

1.2. MCU

MCU Series	STM32H5
MCU Line	STM32H563/H573
MCU name	STM32H563ZITx
MCU Package	LQFP144
MCU Pin number	144

1.3. Core(s) information

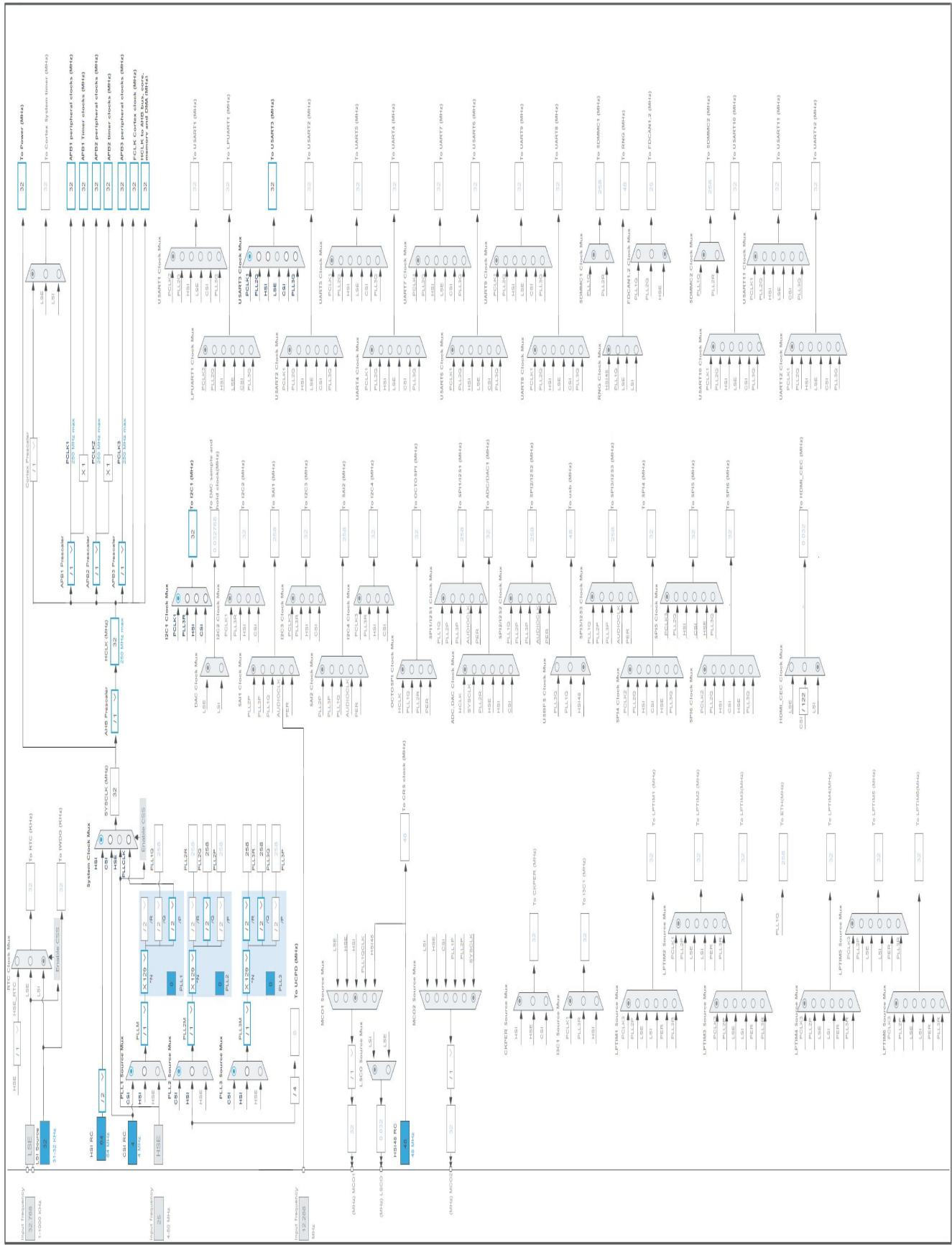
Core(s)	ARM Cortex-M33
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2. Pinout Configuration

3. Pins Configuration

Pin Number LQFP144	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
6	VBAT	Power		
16	VSS	Power		
17	VDD	Power		
25	NRST	Reset		
30	VDD	Power		
31	VSSA	Power		
32	VREF+	Power		
33	VDDA	Power		
38	VSS	Power		
39	VDD	Power		
51	VSS	Power		
52	VDD	Power		
61	VSS	Power		
62	VDD	Power		
70	VCAP	Power		
71	VSS	Power		
72	VDD	Power		
83	VSS	Power		
84	VDD	Power		
94	VSS	Power		
95	VDD	Power		
106	VDDUSB	Power		
107	VSS	Power		
108	VDD	Power		
120	VSS	Power		
121	VDDIO2	Power		
130	VSS	Power		
131	VDD	Power		
138	BOOT0	Boot		
142	VCAP	Power		
143	VSS	Power		
144	VDD	Power		

4. Clock Tree Configuration



1. Power Consumption Calculator report

1.1. Microcontroller Selection

Series	STM32H5
Line	STM32H563/H573
MCU	STM32H563ZITx
Datasheet	DS00000_Rev0

1.2. Parameter Selection

Temperature	25
Vdd	3.0

1.3. Battery Selection

Battery	Li-SOCL2(A3400)
Capacity	3400.0 mAh
Self Discharge	0.08 %/month
Nominal Voltage	3.6 V
Max Cont Current	100.0 mA
Max Pulse Current	200.0 mA
Cells in series	1
Cells in parallel	1

2. Peripherals and Middlewares Configuration

* User modified value

3. System Configuration

3.1. GPIO configuration

IP	Pin	Signal	GPIO mode	GPIO pull/up pull down	Max Speed	User Label
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* User modified value

4. System Views

4.1. Category view

4.1.1. Current