

1. Description

1.1. Project

Project Name	Test_v1
Board Name	NUCLEO-F722ZE
Generated with:	STM32CubeMX 6.9.2
Date	09/28/2023

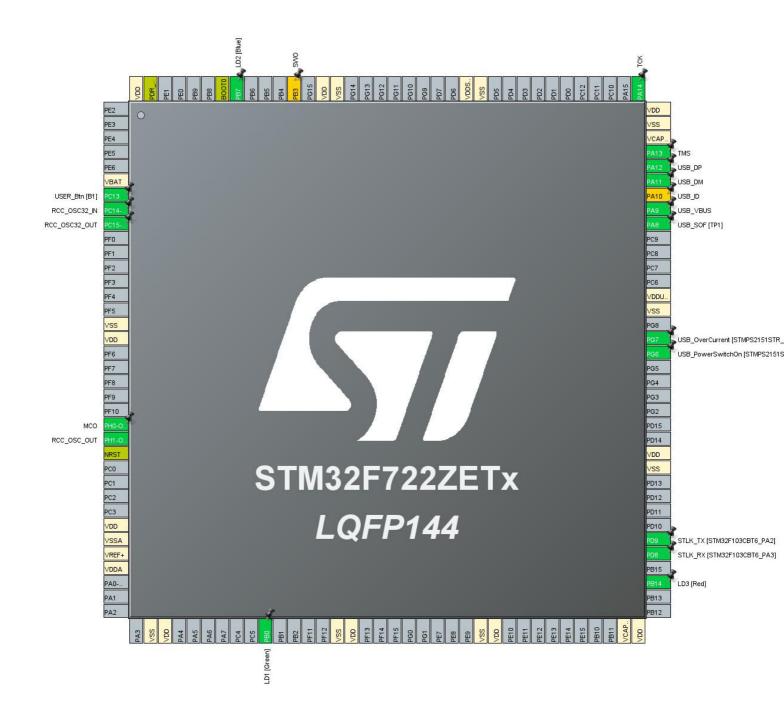
1.2. MCU

MCU Series	STM32F7
MCU Line	STM32F7x2
MCU name	STM32F722ZETx
MCU Package	LQFP144
MCU Pin number	144

1.3. Core(s) information

Core(s)	Arm Cortex-M7

2. Pinout Configuration



3. Pins Configuration

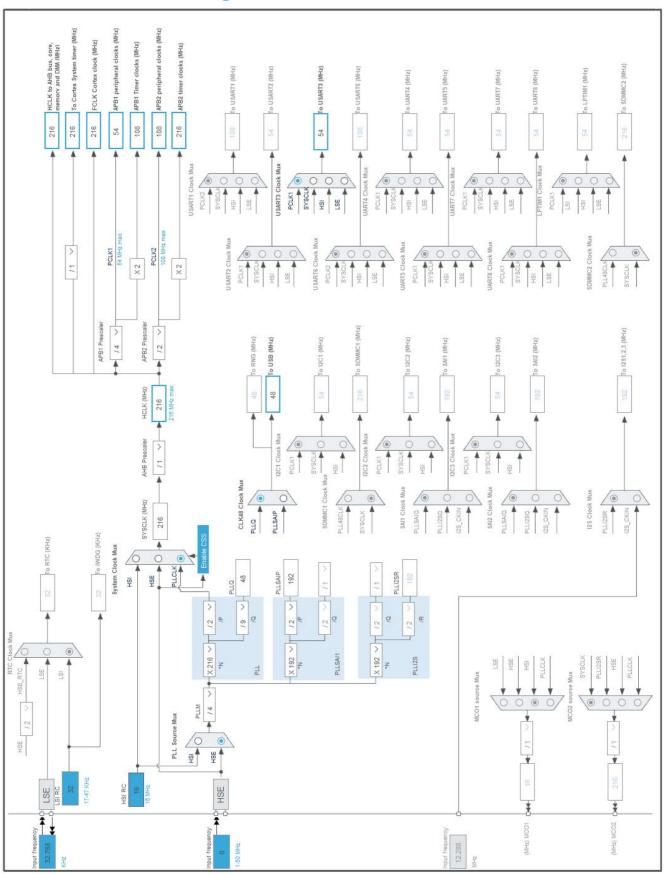
Pin Number	Pin Name	Pin Type	Alternate	Label
LQFP144	(function after		Function(s)	
	reset)			
6	VBAT	Power		
7	PC13	I/O	GPIO_EXTI13	USER_Btn [B1]
8	PC14-OSC32_IN	I/O	RCC_OSC32_IN	
9	PC15-OSC32_OUT	I/O	RCC_OSC32_OUT	
16	VSS	Power		
17	VDD	Power		
23	PH0-OSC_IN	I/O	RCC_OSC_IN	MCO
24	PH1-OSC_OUT	I/O	RCC_OSC_OUT	
25	NRST	Reset		
30	VDD	Power		
31	VSSA	Power		
32	VREF+	Power		
33	VDDA	Power		
38	VSS	Power		
39	VDD	Power		
46	PB0 *	I/O	GPIO_Output	LD1 [Green]
51	VSS	Power		
52	VDD	Power		
61	VSS	Power		
62	VDD	Power		
71	VCAP_1	Power		
72	VDD	Power		
75	PB14 *	I/O	GPIO_Output	LD3 [Red]
77	PD8	I/O	USART3_TX	STLK_RX [STM32F103CBT6_PA3]
78	PD9	I/O	USART3_RX	STLK_TX [STM32F103CBT6_PA2]
83	VSS	Power		
84	VDD	Power		
91	PG6 *	I/O	GPIO_Output	USB_PowerSwitchOn [STMPS2151STR_EN]
92	PG7 *	I/O	GPIO_Input	USB_OverCurrent [STMPS2151STR_FAULT]
94	VSS	Power		
95	VDDUSB	Power		
100	PA8	I/O	USB_OTG_FS_SOF	USB_SOF [TP1]

Pin Number LQFP144	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
101	PA9	I/O	USB_OTG_FS_VBUS	USB_VBUS
102	PA10 **	I/O	USB_OTG_FS_ID	USB_ID
103	PA11	I/O	USB_OTG_FS_DM	USB_DM
104	PA12	I/O	USB_OTG_FS_DP	USB_DP
105	PA13	I/O	SYS_JTMS-SWDIO	TMS
106	VCAP_2	Power		
107	VSS	Power		
108	VDD	Power		
109	PA14	I/O	SYS_JTCK-SWCLK	TCK
120	VSS	Power		
121	VDDSDMMC	Power		
130	VSS	Power		
131	VDD	Power		
133	PB3 **	I/O	SYS_JTDO-SWO	SWO
137	PB7 *	I/O	GPIO_Output	LD2 [Blue]
138	воото	Boot		
143	PDR_ON	Reset		
144	VDD	Power		

^{*} The pin is affected with an I/O function

^{**} The pin is affected with a peripheral function but no peripheral mode is activated

4. Clock Tree Configuration



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5. Software Project

5.1. Project Settings

Name	Value	
Project Name	Test_v1	
Project Folder	C:\Users\HoFong\STM_WS\ws3\Test_v1	
Toolchain / IDE	STM32CubeIDE	
Firmware Package Name and Version	STM32Cube FW_F7 V1.17.1	
Application Structure	Advanced	
Generate Under Root	Yes	
Do not generate the main()	No	
Minimum Heap Size	0x200	
Minimum Stack Size	0x400	

5.2. Code Generation Settings

Name	Value
STM32Cube MCU packages and embedded software	Copy only the necessary library files
Generate peripheral initialization as a pair of '.c/.h' files	No
Backup previously generated files when re-generating	No
Keep User Code when re-generating	Yes
Delete previously generated files when not re-generated	Yes
Set all free pins as analog (to optimize the power	No
consumption)	
Enable Full Assert	No

5.3. Advanced Settings - Generated Function Calls

Rank	Function Name	Peripheral Instance Name
1	SystemClock_Config	RCC
2	MX_GPIO_Init	GPIO
3	MX_USART3_UART_Init	USART3
4	MX_USB_OTG_FS_PCD_Init	USB_OTG_FS

1. Power Consumption Calculator report

1.1. Microcontroller Selection

Series	STM32F7
Line	STM32F7x2
MCU	STM32F722ZETx
Datasheet	DS11853_Rev3

1.2. Parameter Selection

Temperature	25
Vdd	3.3

1.3. Battery Selection

Battery	Alkaline(9V)	
Capacity	625.0 mAh	
Self Discharge	0.3 %/month	
Nominal Voltage	9.0 V	
Max Cont Current	200.0 mA	
Max Pulse Current	0.0 mA	
Cells in series	1	
Cells in parallel	1	

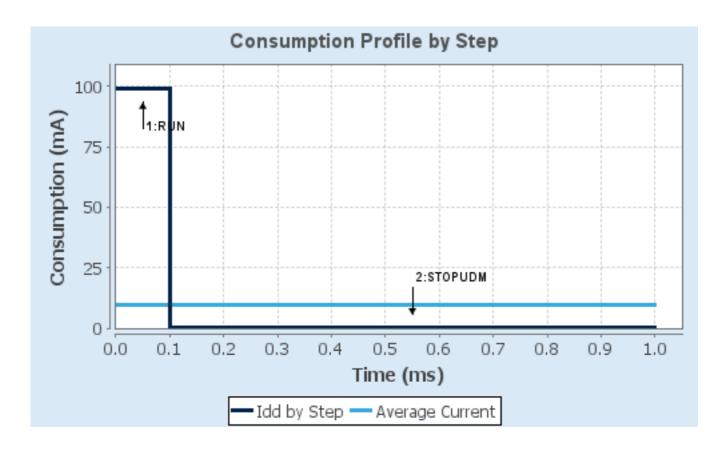
1.4. Sequence

Step	Step1	Step2
Mode	RUN	STOP UDM (Under Drive)
Vdd	3.3	3.3
Voltage Source	Battery	Battery
Range	Scale1-High	No Scale
Fetch Type	ITCM RAM REGON	n/a
CPU Frequency	216 MHz	0 Hz
Clock Configuration	HSE PLL	Regulator LP Flash-PwrDwn
Clock Source Frequency	4 MHz	0 Hz
Peripherals		
Additional Cons.	0 mA	0 mA
Average Current	99 mA	100 μΑ
Duration	0.1 ms	0.9 ms
DMIPS	462.0	0.0
Ta Max	100.75	105
Category	In DS Table	In DS Table

1.5. Results

Sequence Time	1 ms	Average Current	9.99 mA
Battery Life	2 days, 14 hours	Average DMIPS	462.24005
			DMIPS

1.6. Chart



2. Peripherals and Middlewares Configuration

2.1. RCC

High Speed Clock (HSE): BYPASS Clock Source

Low Speed Clock (LSE): Crystal/Ceramic Resonator

2.1.1. Parameter Settings:

System Parameters:

VDD voltage (V) 3.3

Flash Latency(WS) 7 WS (8 CPU cycle)

RCC Parameters:

HSI Calibration Value 16

TIM Prescaler Selection Disabled

HSE Startup Timout Value (ms) 100

LSE Startup Timout Value (ms) 5000

Power Parameters:

Power Over Drive Enabled

Power Regulator Voltage Scale Power Regulator Voltage Scale 1

2.2. SYS

Debug: Serial Wire

Timebase Source: SysTick

2.3. **USART3**

Mode: Asynchronous

2.3.1. Parameter Settings:

Basic Parameters:

Baud Rate 115200

Word Length 8 Bits (including Parity)

Parity None Stop Bits 1

Advanced Parameters:

Data Direction Receive and Transmit

Over Sampling 16 Samples
Single Sample Disable

Advanced Features:

Auto Baudrate Disable

TX Pin Active Level Inversion

RX Pin Active Level Inversion

Disable

Data Inversion

Disable

TX and RX Pins Swapping

Overrun

Enable

DMA on RX Error

Enable

MSB First

Disable

2.4. USB_OTG_FS

Mode: Device_Only

Activate_VBUS: VBUS sensing

mode: Activate_SOF

2.4.1. Parameter Settings:

Speed Full Speed 12MBit/s

Low powerDisabledBattery chargingEnabledLink Power ManagementDisabledVBUS sensingEnabledUse dedicated end point 1 interruptDisabledSignal start of frameEnabled

^{*} User modified value

3. System Configuration

3.1. GPIO configuration

IP	Pin	Signal	GPIO mode	GPIO pull/up pull down	Max Speed	User Label
RCC	PC14- OSC32_IN	RCC_OSC32_IN	n/a	n/a	n/a	
	PC15- OSC32_OU T	RCC_OSC32_O UT	n/a	n/a	n/a	
	PH0- OSC_IN	RCC_OSC_IN	n/a	n/a	n/a	MCO
	PH1- OSC_OUT	RCC_OSC_OUT	n/a	n/a	n/a	
SYS	PA13	SYS_JTMS- SWDIO	n/a	n/a	n/a	TMS
	PA14	SYS_JTCK- SWCLK	n/a	n/a	n/a	TCK
USART3	PD8	USART3_TX	Alternate Function Push Pull	No pull-up and no pull-down	Very High	STLK_RX [STM32F103CBT6_PA3]
	PD9	USART3_RX	Alternate Function Push Pull	No pull-up and no pull-down	Very High	STLK_TX [STM32F103CBT6_PA2]
USB_OTG_ FS	PA8	USB_OTG_FS_ SOF	Alternate Function Push Pull	No pull-up and no pull-down	Very High	USB_SOF [TP1]
	PA9	USB_OTG_FS_ VBUS	Input mode	No pull-up and no pull-down	n/a	USB_VBUS
	PA11	USB_OTG_FS_ DM	Alternate Function Push Pull	No pull-up and no pull-down	Very High	USB_DM
	PA12	USB_OTG_FS_ DP	Alternate Function Push Pull	No pull-up and no pull-down	Very High	USB_DP
Single Mapped	PA10	USB_OTG_FS_I D	Alternate Function Push Pull	No pull-up and no pull-down	Very High	USB_ID
Signals	PB3	SYS_JTDO- SWO	n/a	n/a	n/a	SWO
GPIO	PC13	GPIO_EXTI13	External Interrupt Mode with Rising edge trigger detection	No pull-up and no pull-down	n/a	USER_Btn [B1]
	PB0	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	LD1 [Green]
	PB14	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	LD3 [Red]
	PG6	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	USB_PowerSwitchOn [STMPS2151STR_EN]
	PG7	GPIO_Input	Input mode	No pull-up and no pull-down	n/a	USB_OverCurrent [STMPS2151STR_FAULT]

IP	Pin	Signal	GPIO mode	GPIO pull/up pull down	Max Speed	User Label
	PB7	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	LD2 [Blue]

3.2. DMA configuration

nothing configured in DMA service

3.3. NVIC configuration

3.3.1. NVIC

Interrupt Table	Enable	Preenmption Priority	SubPriority	
Non maskable interrupt	true	0	0	
Hard fault interrupt	true	0	0	
Memory management fault	true	0	0	
Pre-fetch fault, memory access fault	true	0	0	
Undefined instruction or illegal state	true	0	0	
System service call via SWI instruction	true	0	0	
Debug monitor	true	0	0	
Pendable request for system service	true	0	0	
System tick timer	true	0	0	
PVD interrupt through EXTI line 16		unused		
Flash global interrupt	unused			
RCC global interrupt	unused			
USART3 global interrupt	unused			
EXTI line[15:10] interrupts	unused			
USB On The Go FS global interrupt	unused			
FPU global interrupt	unused			

3.3.2. NVIC Code generation

Enabled interrupt Table	Select for init sequence ordering	Generate IRQ handler	Call HAL handler
Non maskable interrupt	false	true	false
Hard fault interrupt	false	true	false
Memory management fault	false	true	false
Pre-fetch fault, memory access fault	false	true	false
Undefined instruction or illegal state	false	true	false
System service call via SWI instruction	false	true	false
Debug monitor	false	true	false
Pendable request for system service	false	true	false
System tick timer	false	true	true

* User modified value

4. System Views

4.1. Category view

4.1.1. Current

5. Docs & Resources

Type Link

BSDL files https://www.st.com/resource/en/bsdl_model/stm32f7_bsdl.zip

IBIS models https://www.st.com/resource/en/ibis_model/stm32f7_ibis.zip

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Description

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other-safety-standards-stmicroelectronics.pdf & Software

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stm32f73xxx-device-limitations-stmicroelectronics.pdf

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stmicroelectronics.pdf

Reference https://www.st.com/resource/en/reference manual/rm0431-stm32f72xxx-Manuals

and-stm32f73xxx-advanced-armbased-32bit-mcus-stmicroelectronics.pdf

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