STM 32 Project File - Device Configuration Tool - STM32CubeIDE

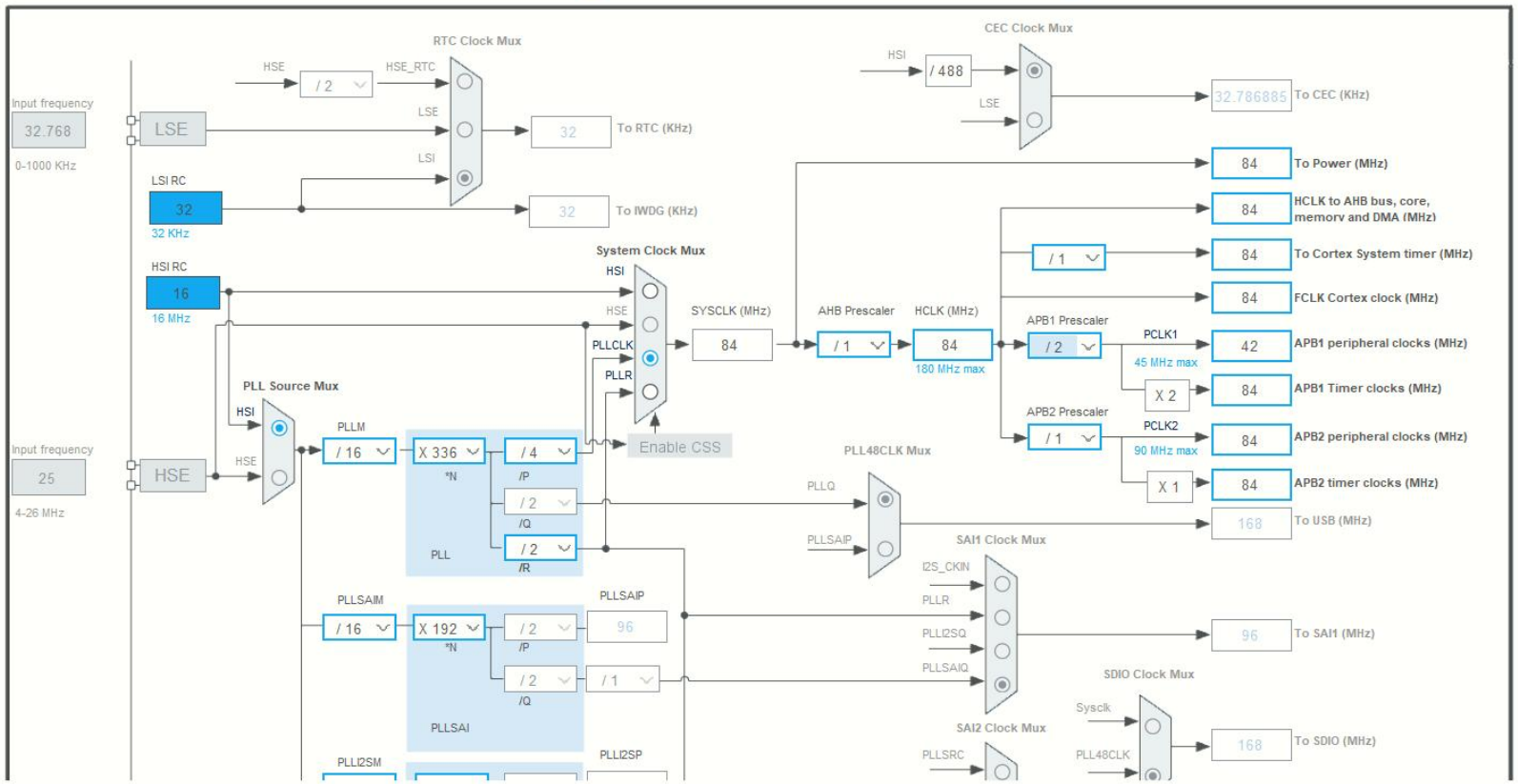
File Edit Navigate Search Project Run Window Help Hello Md. Al

main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Clock Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Resolve Clock Issues



Search

9:09:40 AM
12/8/2024

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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

System Core
- DMA
- GPIO
- IWDG
- NVIC
- RCC
- SYS
- WWDG

Analog

Timers

Connectivity

Multimedia

Computing

Middleware and Soft...

RCC Mode and Configuration

Mode

High Speed Clock (HSE) Crystal/Ceramic Resonator

Low Speed Clock (LSE) Crystal/Ceramic Resonator

☐ Master Clock Output 1

☐ Master Clock Output 2

☐ Audio Clock Input (I2S_CKIN)

Configuration

Reset Configuration

NVIC Settings | GPIO Settings | Parameter Settings | User Constants

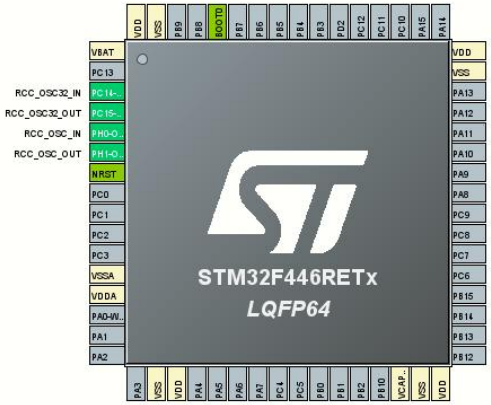
Configure the below parameters :

Search (Ctrl+F)

System Parameters

VDD voltage (V)	3.3 V
Instruction Cache	Enabled
Prefetch Buffer	Enabled
Data Cache	Enabled
Flash Latency(WS)	2 WS (3 CPU cycle)

Pinout view | System view



Search

9:11:32 AM
12/8/2024

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NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

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System Core
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- GPIO
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- SYS
- WWDG

Analog

Timers

Connectivity

Multimedia

Computing

Middleware and Soft...

SYS Mode and Configuration

Mode

Debug: Serial Wire

☐ System Wake-Up 0

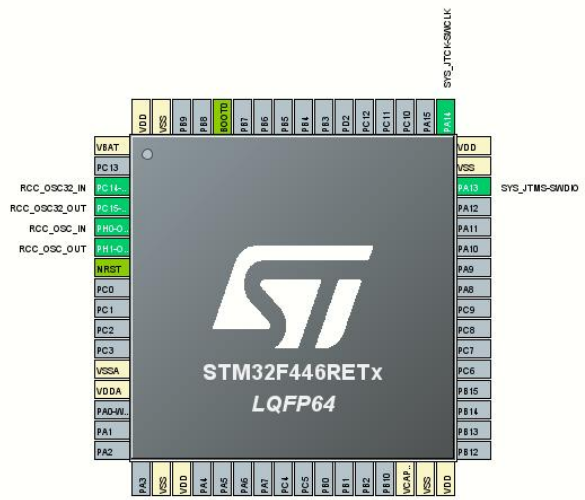
☐ System Wake-Up 1

Timebase Source: TIM2

Configuration

⚠ **Warning: This peripheral has no parameters to be configured.**

Pinout view | System view



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9:12:28 AM
12/8/2024

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NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

- Analog
- Timers
- Connectivity
  - CAN1
  - CAN2
  - FMPI2C1
  - I2C1
  - I2C2
  - I2C3
  - QUADSPI
  - SDIO
  - SPI1
  - SPI2
  - SPI3
  - UART4
  - UART5
  - USART1
  - USART2
  - USART3
  - USART6
  - USB_OTG_FS
  - USB_OTG_HS

I2C1 Mode and Configuration

Mode

I2C I2C

Configuration

Reset Configuration

NVIC Settings | DMA Settings | GPIO Settings | Parameter Settings | User Constants

Configure the below parameters :

Search (Ctrl+F)

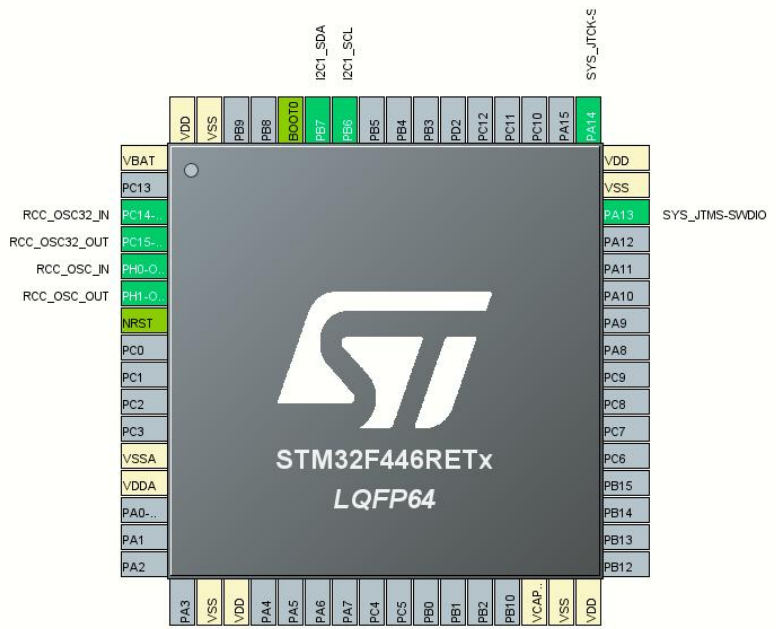
Master Features

I2C Speed Mode	Standard Mode
I2C Clock Speed (Hz)	100000

Slave Features

Clock No Stretch Mode	Disabled
Primary Address Length sel..	7-bit

Pinout view | System view



Search

9:14:14 AM
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I2C1 Mode and Configuration

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Slave Features

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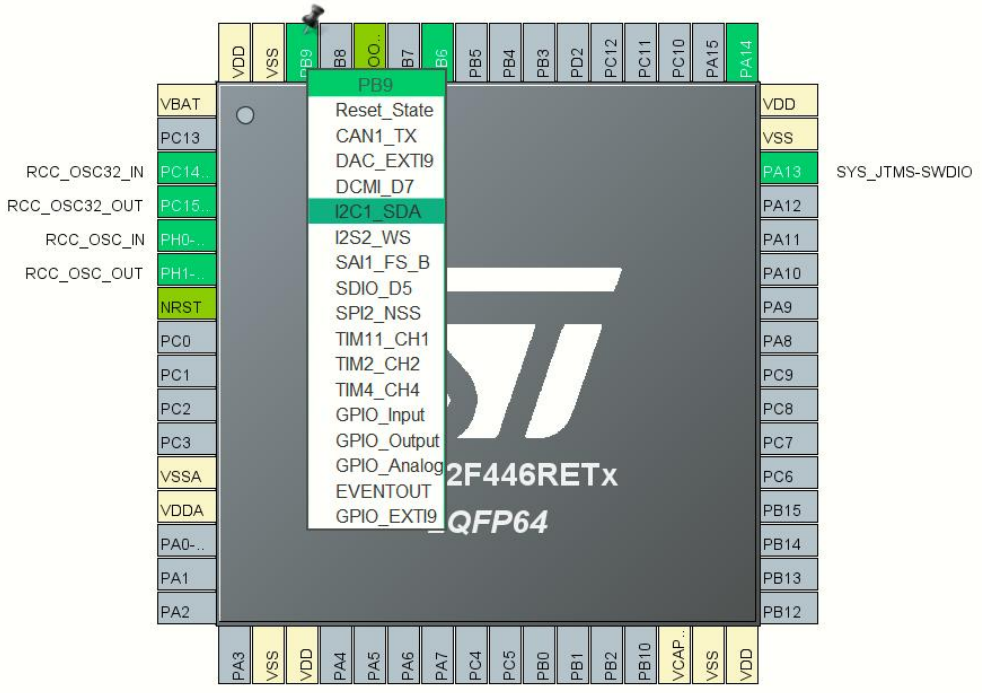
Primary Address Length sel..	7-bit

Pinout view | System view



Search

9:16:25 AM
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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

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  - I2C3
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  - SDIO
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  - SPI3
  - UART4
  - UART5
  - USART1
  - USART2
  - USART3
  - USART6
  - USB_OTG_FS
  - USB_OTG_HS

I2C1 Mode and Configuration

Mode

I2C I2C

Configuration

Reset Configuration

NVIC Settings | DMA Settings | GPIO Settings | Parameter Settings | User Constants

Configure the below parameters :

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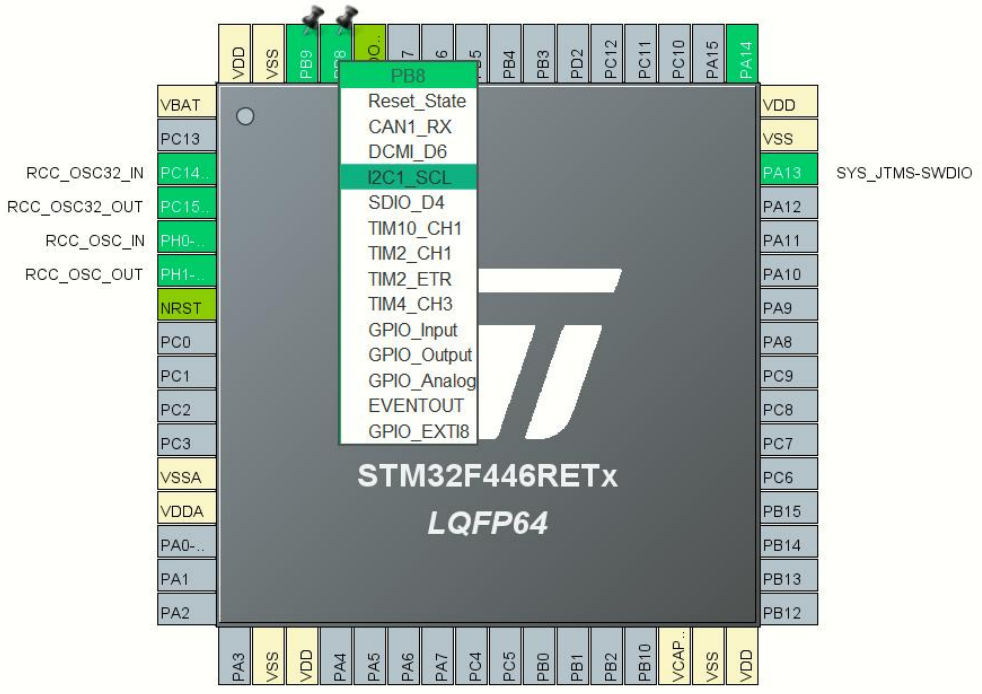
I2C Clock Speed (Hz)	100000

Slave Features

Clock No Stretch Mode	Disabled
Primary Address Length sel..	7-bit

Pinout view | System view



Search

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STM 32 Project File - Device Configuration Tool - STM32CubeIDE

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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

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Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

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  - I2C3
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  - USART2
  - USART3
  - USART6
  - USB_OTG_FS
  - USB_OTG_HS

I2C1 Mode and Configuration

Mode

I2C I2C

Configuration

Reset Configuration

DMA Settings | GPIO Settings | User Constants | NVIC Settings | Parameter Settings

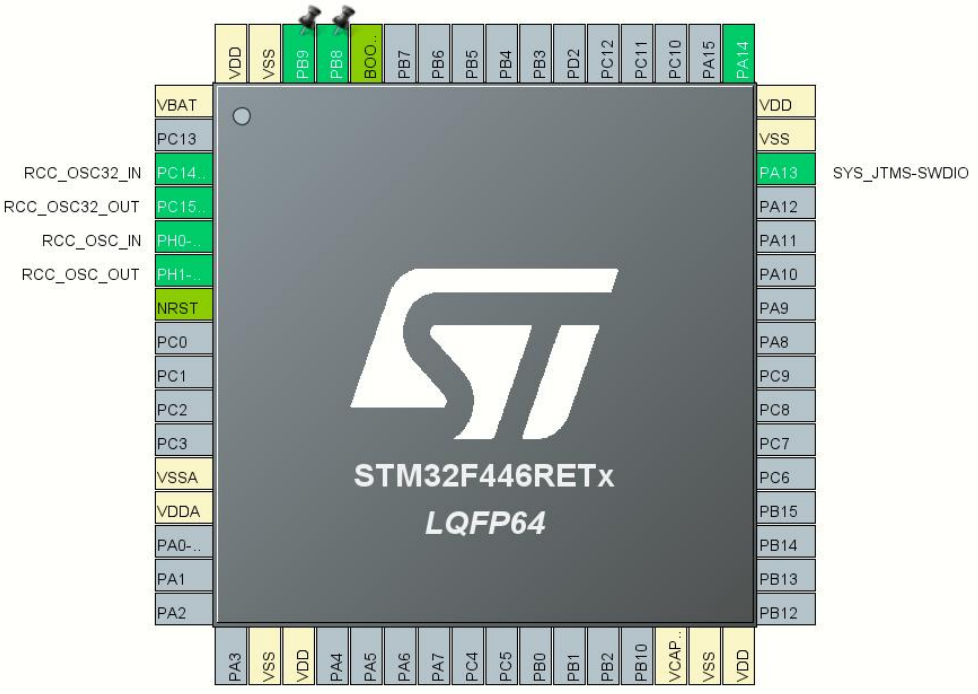
Configure the below parameters :

Search (Ctrl+F)

Master Features
- I2C Speed Mode Standard Mode
- I2C Clock Speed (.. 100000

Slave Features
- Clock No Stretch ... Disabled

Pinout view | System view



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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

- Analog
- Timers
- Connectivity
- Multimedia
- Computing
- Middleware and Sof...

AIROC-Wi-Fi-Bluetoo
FATFS
FP-SNS-FLIGHT1
FP-SNS-MOTENV1
FP-SNS-MOTENVW
FP-SNS-SMARTAG
FP-SNS-STBOX1
FREER

FREERTOS :
FREE Real Time OS
details and documentation (Ctrl+d)...

I-CUBE
I-CUBE
I-CUBE
I-CUBE-Mongoose
I-CUBE-embOS
I-CUBE-wolfMQTT
I-CUBE-wolfSSH
I-CUBE-wolfSSL

I2C1 Mode and Configuration

Mode

I2C | I2C

Configuration

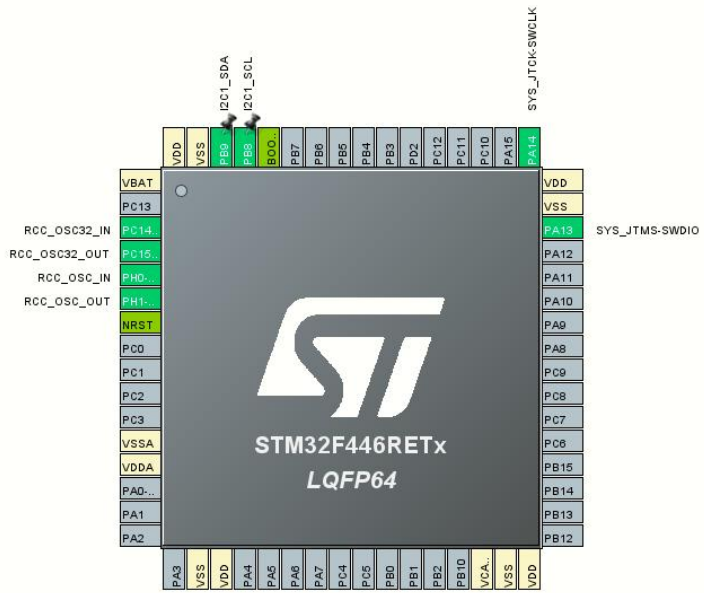
Reset Configuration

DMA Settings | GPIO Settings
User Constants | NVIC Settings
Parameter Settings

ow parameters :

Master Features
I2C Speed Mode Standard Mode
I2C Clock Speed (.. 100000
Slave Features
Clock No Stretch ... Disabled

Pinout view | System view



Search

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STM 32 Project File - Device Configuration Tool - STM32CubeIDE

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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

- Analog
- Timers
- Connectivity
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AIROC-Wi-Fi-Bluetoo
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I-CUBE-wolfSSH
I-CUBE-wolfSSL

FREERTOS Mode and Configuration

Mode

Interface CMSIS_V1

Configuration

Reset Configuration

FreeRTOS Heap Usage
Mutexes | Events
Tasks and Queues | Timers and Semaphores
Advanced settings | User Constants
Config parameters | Include parameters

Configure the below parameters :

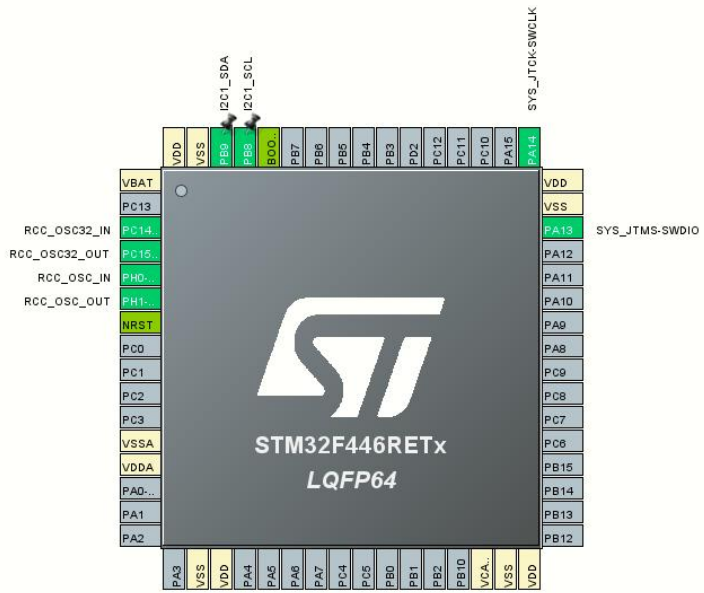
Search (Ctrl+F)

API

FreeRTOS API CMSIS v1

Versions

Pinout view | System view



Search

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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

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Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

- Analog
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  - I2C3
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  - UART5
  - USART1
  - USART2
  - USART3
  - USART6
  - USB_OTG_FS
  - USB_OTG_HS
- Multimedia

I2C1 Mode and Configuration

Mode

I2C: I2C

Configuration

Reset Configuration

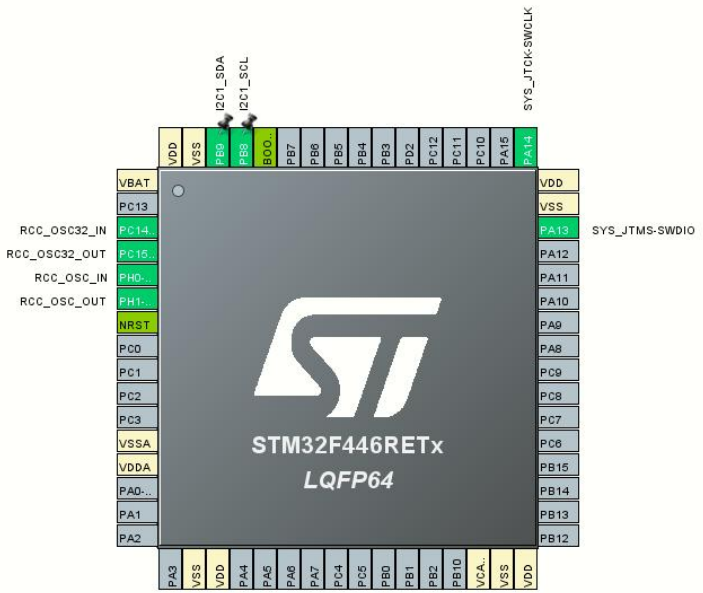
NVIC Settings | DMA Settings | GPIO Settings | Parameter Settings | User Constants

Configure the below parameters :

Search (Ctrl+F)

Master Features	
I2C Speed Mode	Standard Mode
I2C Clock Speed (Hz)	100000
Slave Features	
Clock No Stretch Mode	Disabled
Primary Address Length selectio.	7-bit
Dual Address Acknowledged	Disabled
Primary slave address	0x10
General Call address detection	Disabled

Pinout view | System view



Search

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  - USB_OTG_HS
- Multimedia

I2C1 Mode and Configuration

Mode

I2C: I2C

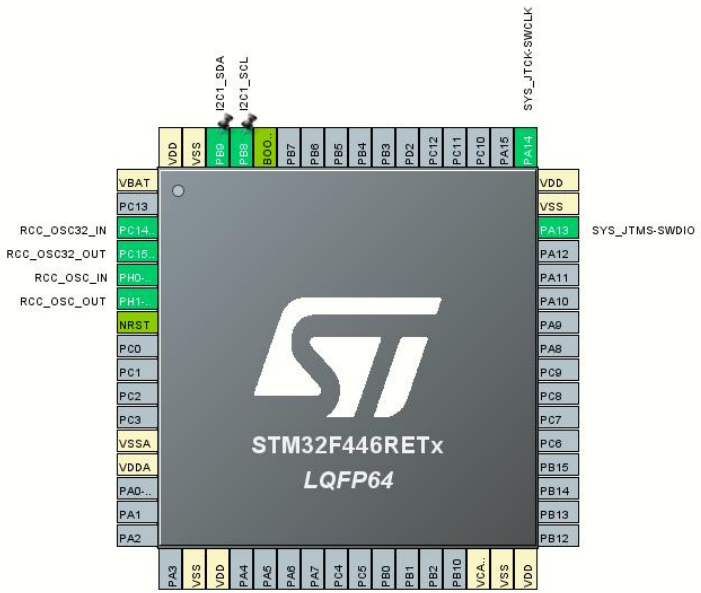
Configuration

Reset Configuration

NVIC Settings | DMA Settings | GPIO Settings | Parameter Settings | User Constants

NVIC Interrupt Table	Enabled	Preemption Priority	Sub Priority
I2C1 event interrupt	☑	5	0
I2C1 error interrupt	☑	5	0

Pinout view | System view



Search

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Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

Middleware and Software...

- AIROC-Wi-Fi-Bluetooth-S..
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- FP-SNS-FLIGHT1
- FP-SNS-MOTENV1
- FP-SNS-MOTENVWB1
- FP-SNS-SMARTAG2
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- I-CUBE-embOS
- I-CUBE-wolfMQTT
- I-CUBE-wolfSSH
- I-CUBE-wolfSSL
- I-CUBE-wolfTPM
- I-Cube-SoM-uGOAL
- LIBJPEG
- MBEDTLS
- PDM2PCM
- USB_DEVICE
- USB_HOST
- X-CUBE-AI
- X-CUBE-ALGOBUILD
- X-CUBE-ALS
- X-CUBE-AZRTOS-F4

FREERTOS Mode and Configuration

Mode

Interface CMSIS_V1

Configuration

Reset Configuration

Mutexes | Events | FreeRTOS Heap Usage | User Constants | Tasks and Queues | Timers and Semaphores | Config parameters | Include parameters | Advanced settings

Tasks

Task Na...	Priority	Stack Si...	Entry Fu...	Code G...	Paramet...	Allocation	Buffer N...	Control ...
defaultT...	osPriorit...	128	StartDef...	Default	NULL	Dynamic	NULL	NULL

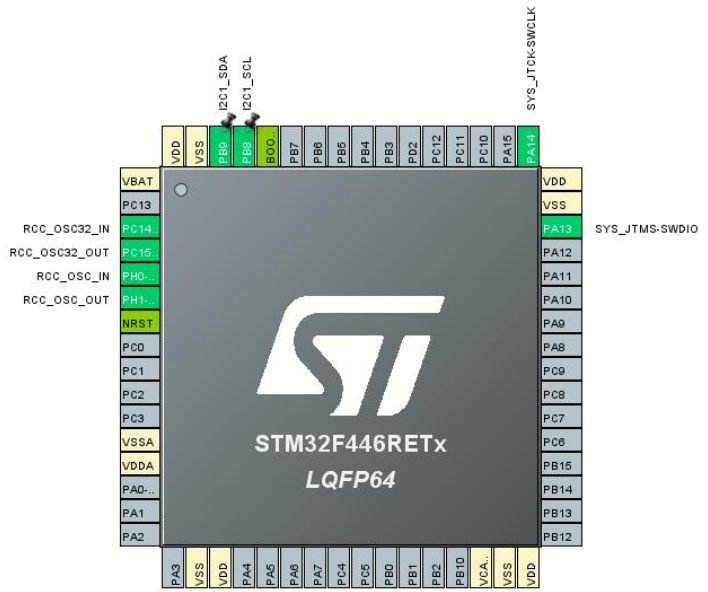
Add Delete

Queues

Queue Name	Queue Size	Item Size	Allocation	Buffer Name	Control Block ...

Add Delete

Pinout view | System view



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- X-CUBE-ALS
- X-CUBE-AZRTOS-F4

FREERTOS Mode and Configuration

Mode

Interface CMSIS_V1

Configuration

Reset Configuration

Tasks and Queues | Timers and Semaphores | Mutexes | Events | FreeRTOS Heap Usage

Config parameters | Include parameters | Advanced settings | User Constants

Tasks

Task Name	Priority	Stack Size ..	Entry Funct...	Code Gen...	Parameter	Allocation	Buffer Name	Control Blo...
defaultTask	osPriorityN...	128	StartDefaul...	Default	NULL	Dynamic	NULL	NULL
IrReadTask	osPriorityN...	128	IRTask_St...	Default	NULL	Dynamic	NULL	NULL

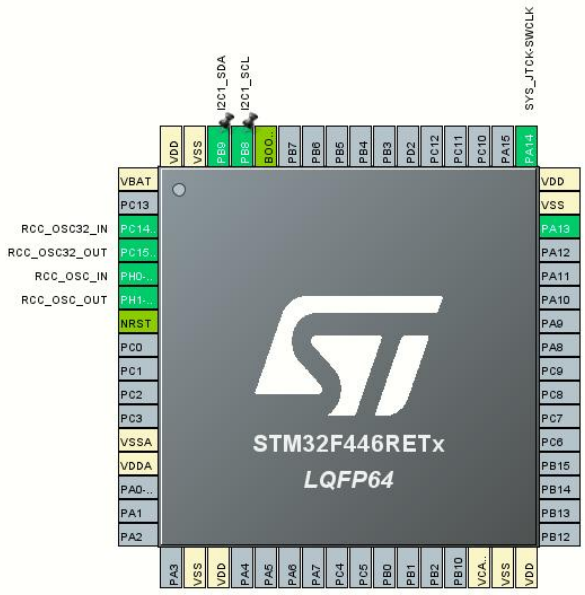
Add Delete

Queues

Queue Name	Queue Size	Item Size	Allocation	Buffer Name	Control Block Na...

Add Delete

Pinout view | System view



Search

9:26:11 AM
12/8/2024

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- USB_DEVICE
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- X-CUBE-AI
- X-CUBE-ALGOBUILD
- X-CUBE-ALS
- X-CUBE-AZRTOS-F4

FREERTOS Mode and Configuration

Mode

Interface CMSIS_V1

Configuration

Reset Configuration

Tasks and Queues | Timers and Semaphores | Mutexes | Events | FreeRTOS Heap Usage

Config parameters | Include parameters | Advanced settings | User Constants

Tasks

Task Name	Priority	Stack Size ..	Entry Funct...	Code Gen...	Parameter	Allocation	Buffer Name	Control Blo...
defaultTask	osPriorityN...	128	StartDefaul...	Default	NULL	Dynamic	NULL	NULL
IrReadTask	osPriorityN...	128	IRTask_St...	Default	NULL	Dynamic	NULL	NULL
I2CSendT...	osPriorityN...	128	I2CSendT...	Default	NULL	Dynamic	NULL	NULL

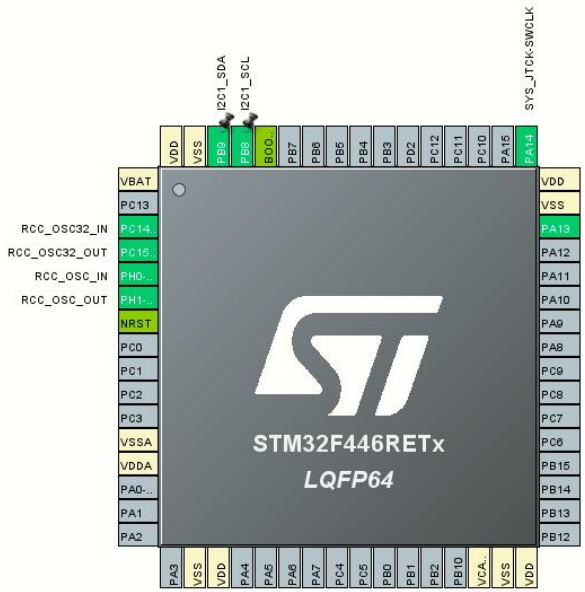
Add Delete

Queues

Queue Name	Queue Size	Item Size	Allocation	Buffer Name	Control Block Na...

Add Delete

Pinout view | System view



Search 9:29:37 AM 12/8/2024

STM 32 Project File - Device Configuration Tool - STM32CubeIDE

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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

Middleware and Software...

- AIROC-Wi-Fi-Bluetooth-S..
- FATFS
- FP-SNS-FLIGHT1
- FP-SNS-MOTENV1
- FP-SNS-MOTENVWB1
- FP-SNS-SMARTAG2
- FP-SNS-STBOX1
- FREERTOS
- I-CUBE-Cesium
- I-CUBE-FS-RTOS
- I-CUBE-ITTIADB
- I-CUBE-Mongoose
- I-CUBE-embOS
- I-CUBE-wolfMQTT
- I-CUBE-wolfSSH
- I-CUBE-wolfSSL
- I-CUBE-wolfTPM
- I-Cube-SoM-uGOAL
- LIBJPEG
- MBEDTLS
- PDM2PCM
- USB_DEVICE
- USB_HOST
- X-CUBE-AI
- X-CUBE-ALGOBUILD
- X-CUBE-ALS
- X-CUBE-AZRTOS-F4

FREERTOS Mode and Configuration

Mode

Interface CMSIS_V1

Configuration

Reset Configuration

Tasks and Queues | Timers and Semaphores | Mutexes | Events | FreeRTOS Heap Usage

Config parameters | Include parameters | Advanced settings | User Constants

Mutexes

Mutex Name	Allocation	Control Block Name
I2CMutex	Dynamic	NULL

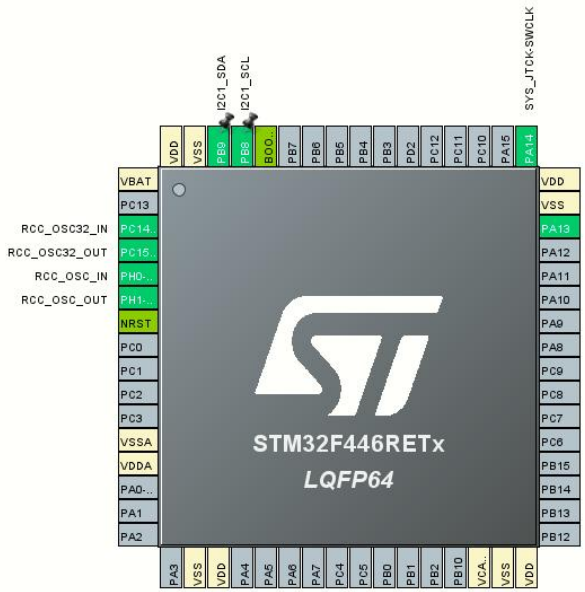
Add Delete

Recursive Mutexes

Mutex Name	Allocation	Control Block Name

Add Delete

Pinout view | System view



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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

System Core
- DMA
- GPIO
- IWDG
- NVIC
- RCC
- SYS
- WWDG

Analog

Timers

Connectivity
- CAN1
- CAN2
- FMPI2C1
- I2C1
- I2C2
- I2C3
- QUADSPI
- SDIO
- SPI1
- SPI2

GPIO Mode and Configuration

Configuration

Group By Peripherals

GPIO | I2C | RCC | SYS

Search Signals

Search (Ctrl+F)

Show only Modified Pins

Pin ...	Signal o...	GPIO ou...	GPIO m...	GPIO Pu...	Maximu...	User La...	Modified
PA9	n/a	Low	Output P...	No pull-u...	Low		☐
PA10	n/a	n/a	Input mo...	No pull-u...	n/a		☐

Select Pins from table to configure them. **Multiple selection is Allowed.**

Pinout view | System view

STM32F446RETx

LQFP64

VDD
VSS
PA13 — SYS_JTMS-SWDIO
PA12
PA11
PA10 — GPIO_Input
PA9 — GPIO_Output
PA8
PC9
PC8
PC7
PC6
PB15
PB14
PB13

Search

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STM 32 Project File - Device Configuration Tool - STM32CubeIDE

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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

Analog

Timers

RTC
TIM1
TIM2
TIM3
TIM4
TIM5
TIM6
TIM7
TIM8
TIM9
TIM10
TIM11
TIM12
TIM13
TIM14

Connectivity

CAN1
CAN2
FMPI2C1
I2C1

TIM1 Mode and Configuration

Mode

Slave Mode	Disable
Trigger Source	Disable
Clock Source	Disable
Channel1	Input Capture direct mode
Channel2	Disable
Channel3	Disable
Channel4	Disable
Combined Channels	Disable

Activate-Break-Input

Configuration

Reset Configuration

NVIC Settings | DMA Settings | GPIO Settings | Parameter Settings | User Constants

Configure the below parameters :

Search (Ctrl+F)

Counter Settings

Prescaler (PSC - 16 bits value)	0
Counter Mode	Up
Counter Period (AutoReload Re...	65535
Internal Clock Division (CKD)	No Division
Repetition Counter (RCR - 8 bits..	0
auto-reload preload	Disable

Pinout view | System view

STM32F446RETx
LQFP64

VDD	
VSS	
PA13	SYS_JTMS-SWDIO
PA12	
PA11	
PA10	GPIO_Input
PA9	GPIO_Output
PA8	TIM1_CH1
PC9	
PC8	
PC7	
PC6	
PB15	
PB14	
PB13	

Search

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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

- Analog
- Timers
  - RTC
  - TIM1
  - TIM2
  - TIM3
  - TIM4
  - TIM5
  - TIM6
  - TIM7
  - TIM8
  - TIM9
  - TIM10
  - TIM11
  - TIM12
  - TIM13
  - TIM14
- Connectivity
  - CAN1
  - CAN2
  - FMPI2C1

TIM1 Mode and Configuration

Mode

Slave Mode	Disable
Trigger Source	Disable
Clock Source	Disable
Channel1	Input Capture direct mode
Channel2	Disable
Channel3	Disable
Channel4	Disable

Configuration

Reset Configuration

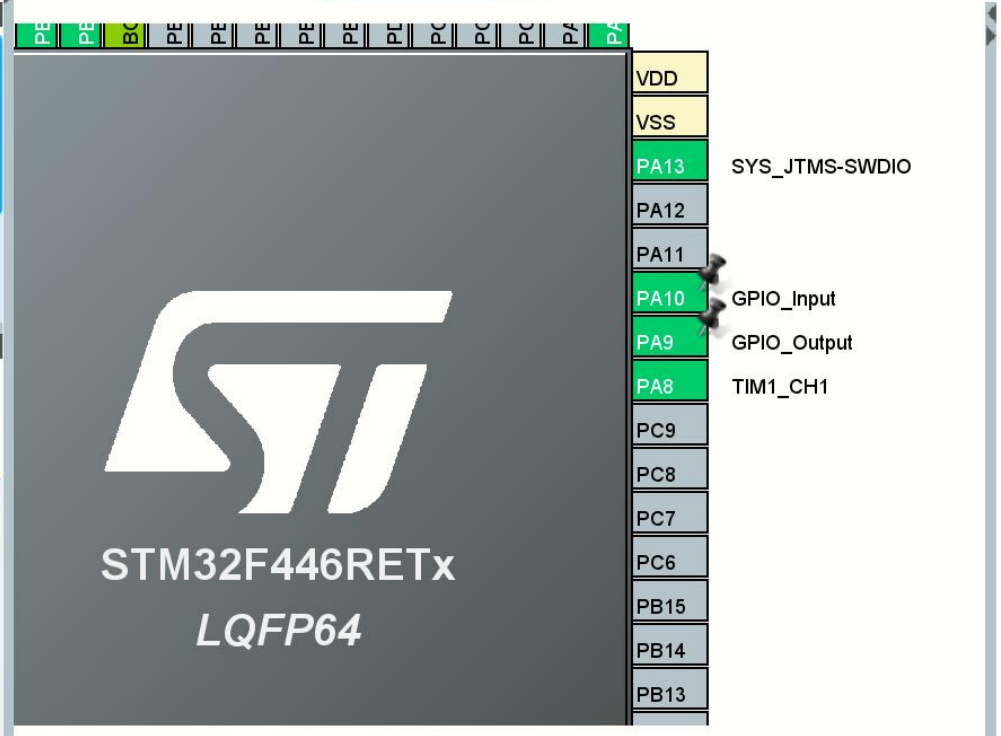
NVIC Settings | DMA Settings | GPIO Settings | Parameter Settings | User Constants

Configure the below parameters :

Search (Ctrl+F)

Counter Settings	
Prescaler (PSC - 16 bits value)	84
Counter Mode	Up
Counter Period (AutoReload Registe..	65535
Internal Clock Division (CKD)	No Division
Repetition Counter (RCR - 8 bits valu..	0
auto-reload preload	Disable
Trigger Output (TRGO) Parameters	

Pinout view | System view



Search

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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

- Analog
- Timers
  - RTC
  - TIM1
  - TIM2
  - TIM3
  - TIM4
  - TIM5
  - TIM6
  - TIM7
  - TIM8
  - TIM9
  - TIM10
  - TIM11
  - TIM12
  - TIM13
  - TIM14
- Connectivity
  - CAN1
  - CAN2
  - FMPI2C1
  - I2C1

TIM1 Mode and Configuration

Mode

Slave Mode	Disable
Trigger Source	Disable
Clock Source	Disable
Channel1	Input Capture direct mode
Channel2	Disable
Channel3	Disable
Channel4	Disable

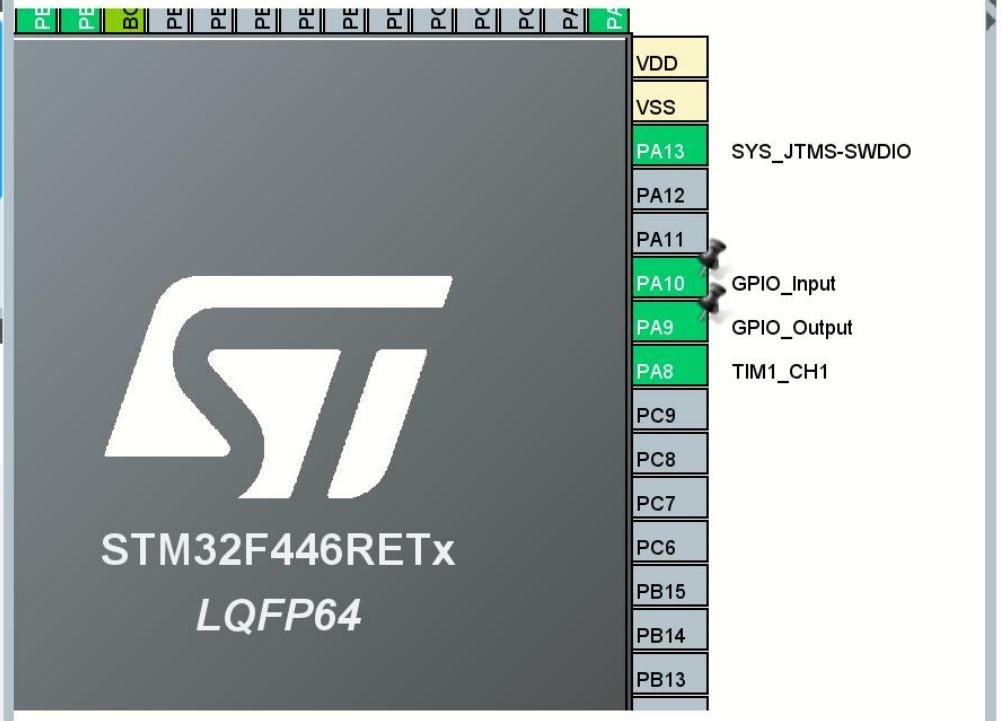
Configuration

Reset Configuration

NVIC Settings | DMA Settings | GPIO Settings | Parameter Settings | User Constants

NVIC Interrupt Table	Enabled	Preemption Priority	Sub Priority
TIM1 break interrupt and TIM9 global interrupt	☐	5	0
TIM1 update interrupt and TIM10 global interrupt	☐	5	0
TIM1 trigger and commutation interrupts and TIM11	☐	5	0
TIM1 capture compare interrupt	☑	5	0

Pinout view | System view



Search

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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc *main.c

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

DMA
GPIO
IWDG
NVIC
RCC
SYS
WWDG

Analog

ADC1
ADC2
ADC3
DAC

Timers

RTC
TIM1
TIM2
TIM3
TIM4
TIM5
TIM6

TIM1 Mode and Configuration

Mode

Slave Mode Disable
Trigger Source Disable
Clock Source Disable
Channel1 Input Capture direct mode
Channel2 Disable
Channel3 Disable
Channel4 Disable

Configuration

Reset Configuration

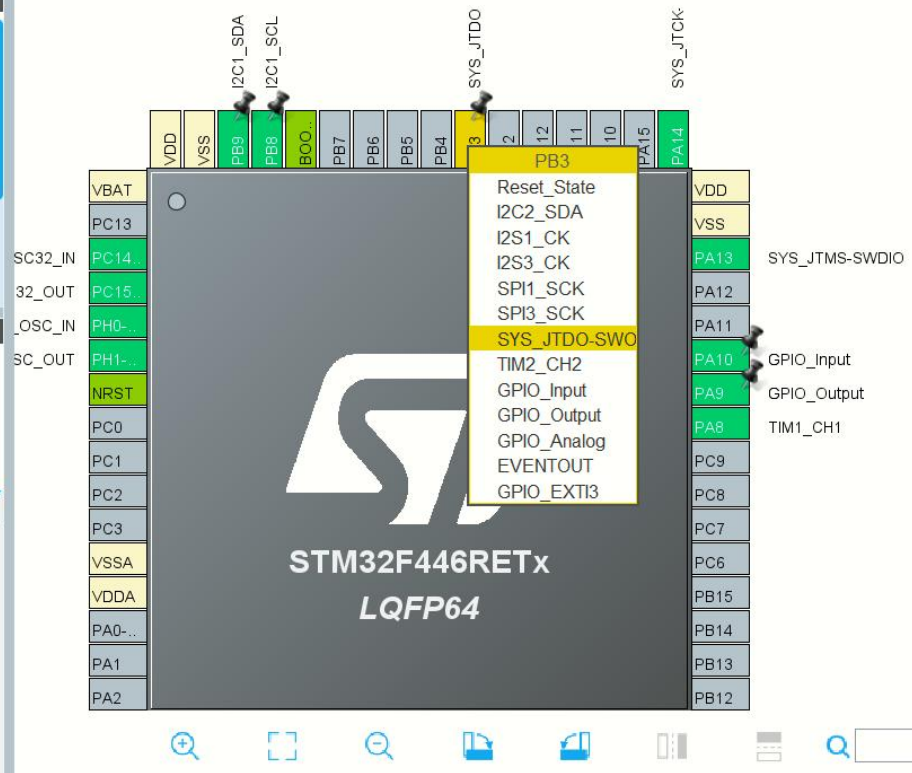
DMA Settings | GPIO Settings
User Constants | NVIC Settings
Parameter Settings

Configure the below parameters :

Search (Ctrl+F)

Counter Settings
Prescaler (PSC... 84
Counter Mode Up
Counter Period ... 65535
Internal Clock Di.. No Division
Repetition Coun.. 0
auto-reload prel... Disable

Pinout view | System view



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NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

- System Core
- Analog
- Timers
- Connectivity
- Multimedia
- Computing
- Middleware and Software Packs

GPIO Mode and Configuration

Configuration

Group By Peripherals

RCC | SYS | TIM | GPIO | Single Mapped Signals | I2C

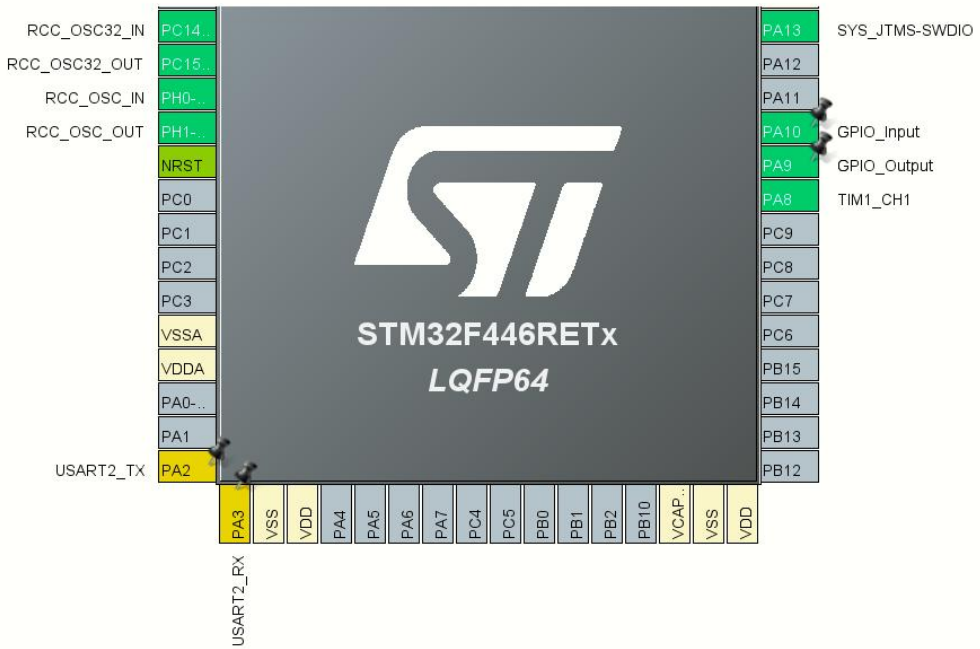
Search Signals

Search (Ctrl+F) — Show only Modified Pins

...	Sign...	GPI...	GPI...	GPI...	Maxi...	User...	Mod...
PA9	n/a	Low	Outp...	No p...	Low		☐
PA10	n/a	n/a	Input...	No p...	n/a		☐

Select Pins from table to configure them. **Multiple se**

Pinout view | System view



Search

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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc main.c

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories A->Z

Computing

Middleware and Software Packs

- AIROC-Wi-Fi-Bluetooth-STM32
- FATFS
- FP-SNS-FLIGHT1
- FP-SNS-MOTENV1
- FP-SNS-MOTENVWB1
- FP-SNS-SMARTAG2
- FP-SNS-STBOX1
- FREERTOS
- I-CUBE-Cesium
- I-CUBE-FS-RTOS
- I-CUBE-ITTIADB
- I-CUBE-Mongoose
- I-CUBE-embOS
- I-CUBE-wolfMQTT
- I-CUBE-wolfSSH
- I-CUBE-wolfSSL
- I-CUBE-wolfTPM
- I-Cube-SoM-uGOAL
- LIBJPEG
- MBEDTLS
- PDM2PCM
- USB_DEVICE
- USB_HOST
- X-CUBE-AI

FREERTOS Mode and Configuration

Mode

Interface CMSIS_V1

Configuration

Reset Configuration

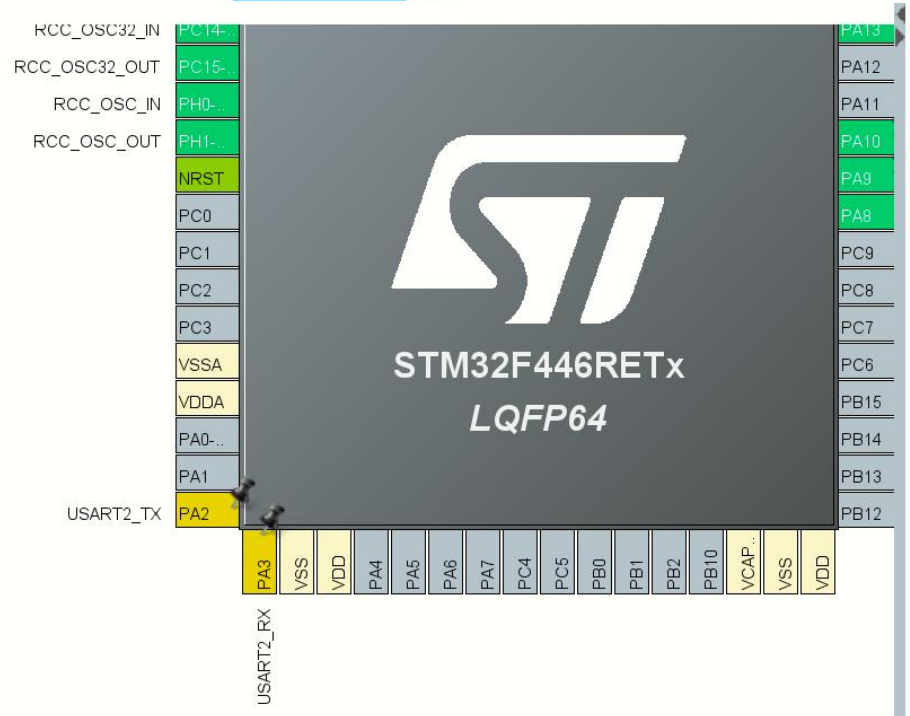
Mutexes | Events | FreeRTOS Heap Usage
User Constants | Tasks and Queues | Timers and Semaphores
Config parameters | Include parameters | Advanced settings

Configure the below parameters :

Search (Ctrl+F)

Newlib settings (see parameter descri..
USE_NEWLIB_REENTRANT Disabled
Project settings (see parameter descri.
Use FW pack heap file Enabled

Pinout view | System view



Search 10:24:43 AM 12/8/2024

STM 32 Project File - Device Configuration Tool - STM32CubeIDE

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main.c main.c main.c main.c main.c main.c main.c main.c main.c main.c *NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc main.c

NUCLEO_F446RE_Connect_with_Raspberry_pi5_I2C_Protocal.ioc - Pinout & Configuration

Pinout & Configuration | Clock Configuration | Project Manager | Tools

Software Packs | Pinout

Categories | A->Z

Computing

Middleware and Software Packs

- AIROC-Wi-Fi-Bluetooth-STM32
- FATFS
- FP-SNS-FLIGHT1
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- FP-SNS-MOTENVWB1
- FP-SNS-SMARTAG2
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- I-CUBE-wolfSSL
- I-CUBE-wolfTPM
- I-Cube-SoM-uGOAL
- LIBJPEG
- MBEDTLS
- PDM2PCM
- USB_DEVICE
- USB_HOST
- X-CUBE-AI

FREERTOS Mode and Configuration

Mode

Interface CMSIS_V1

Configuration

Reset Configuration

Mutexes | Events | FreeRTOS Heap Usage
User Constants | Tasks and Queues | Timers and Semaphores
Config parameters | Include parameters | Advanced settings

Configure the below parameters :

Search (Ctrl+F)

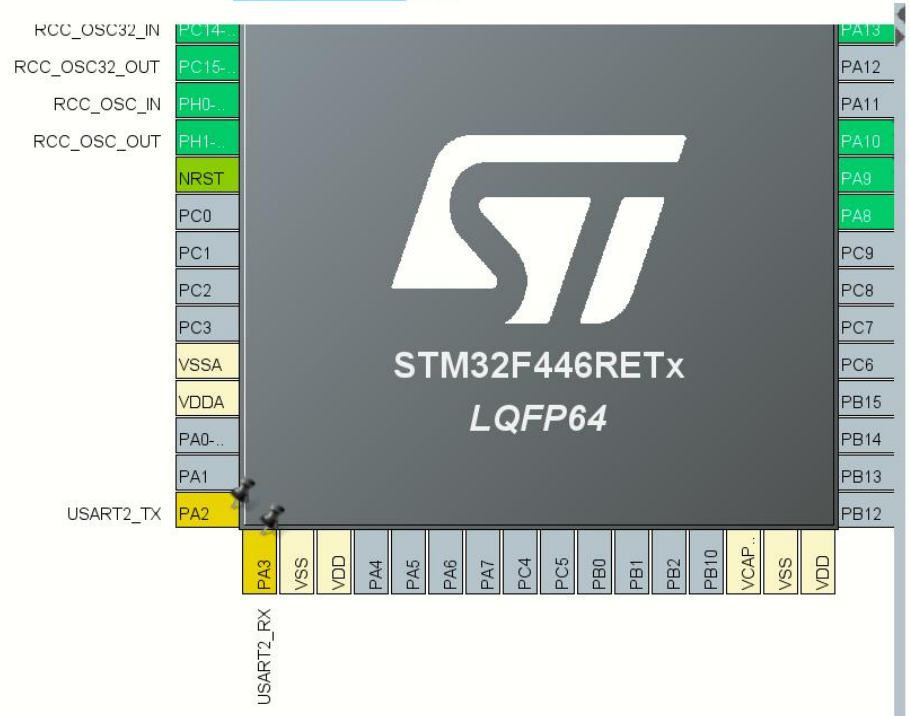
Newlib settings (see parameter descri..

USE_NEWLIB_REENTRANT Enabled

Project settings (see parameter descri..

Use FW pack heap file Disabled / Enabled

Pinout view | System view



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