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#MicroXplorer Configuration settings - do not modify#MicroXplorer Configuration settings - do not modify
ADC1.Channel-0\#ChannelRegularConversion=ADC_CHANNE
ADC1.Channel-1\#ChannelRegularConversion=ADC_CHANNE
ADC1.Channel-2\#ChannelRegularConversion=ADC_CHANNE
ADC1.Channel-3\#ChannelRegularConversion=ADC_CHANNE
ADC1.Channel-4\#ChannelRegularConversion=ADC_CHANNE
ADC1.Channel-5\#ChannelRegularConversion=ADC_CHANNE
ADC1.Channel-6\#ChannelRegularConversion=ADC_CHANNE
ADC1.Channel-7\#ChannelRegularConversion=ADC_CHANNE
ADC1.Channel-8\#ChannelRegularConversion=ADC_CHANNE
ADC1.ClockPrescaler=ADC_CLOCK_SYNC_PCLK_DIV8
ADC1.ContinuousConvMode=ENABLE
ADC1.DMAContinuousRequests=ENABLE
ADC1.DiscontinuousConvMode=DISABLE
ADC1.IPParameters=Rank-0\#ChannelRegularConversion,
ADC1.NbrOfConversion=9
ADC1.NbrOfConversionFlag=1
ADC1.Rank-0\#ChannelRegularConversion=1
ADC1.Rank-1\#ChannelRegularConversion=2
ADC1.Rank-2\#ChannelRegularConversion=3
ADC1.Rank-3\#ChannelRegularConversion=4
ADC1.Rank-4\#ChannelRegularConversion=5
ADC1.Rank-5\#ChannelRegularConversion=6
ADC1.Rank-6\#ChannelRegularConversion=7
ADC1.Rank-7\#ChannelRegularConversion=8
ADC1.Rank-8\#ChannelRegularConversion=9
ADC1.SamplingTime-0\#ChannelRegularConversion=ADC_S
ADC1.SamplingTime-1\#ChannelRegularConversion=ADC_S
ADC1.SamplingTime-2\#ChannelRegularConversion=ADC_S
ADC1.SamplingTime-3\#ChannelRegularConversion=ADC_S
ADC1.SamplingTime-4\#ChannelRegularConversion=ADC_S
ADC1.SamplingTime-5\#ChannelRegularConversion=ADC_S
ADC1.SamplingTime-6\#ChannelRegularConversion=ADC_S
ADC1.SamplingTime-7\#ChannelRegularConversion=ADC_S
ADC1.SamplingTime-8\#ChannelRegularConversion=ADC_S
ADC1.ScanConvMode=ENABLE
ADC1.master=1
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CAD.formats=
 CAD.pinconfig=
 CAD.provider=

CAD.formats=
 CAD.pinconfig=
 CAD.provider=

CAN1.BS1=CAN_BS1_11TQ
 CAN1.BS2=CAN_BS2_4TQ
 CAN1.CalculateBaudRate=1000000
 CAN1.CalculateTimeBit=1000
 CAN1.CalculateTimeQuantum=62.5
 CAN1.IPParameters=CalculateTimeQuantum,CalculateBau
 CAN1.NART=ENABLE
 CAN1.Prescaler=3
 CAN1.SJW=CAN_SJW_3TQ
 CAN2.BS1=CAN_BS1_11TQ
 CAN2.BS2=CAN_BS2_4TQ
 CAN2.CalculateBaudRate=500000
 CAN2.CalculateTimeBit=2000
 CAN2.CalculateTimeQuantum=125.0
 CAN2.IPParameters=CalculateTimeQuantum,CalculateBau
 CAN2.NART=DISABLE
 CAN2.Prescaler=6
 CAN2.SJW=CAN_SJW_3TQ
 Dma.ADC1.2.Direction=DMA_PERIPH_TO_MEMORY
 Dma.ADC1.2.FIFOMode=DMA_FIFOMODE_DISABLE
 Dma.ADC1.2.Instance=DMA2_Stream0
 Dma.ADC1.2.MemDataAlignment=DMA_MDATAALIGN_HALFWORD
 Dma.ADC1.2.MemInc=DMA_MINC_ENABLE
 Dma.ADC1.2.Mode=DMA_CIRCULAR
 Dma.ADC1.2.PeriphDataAlignment=DMA_PDATAALIGN_HALF
 Dma.ADC1.2.PeriphInc=DMA_PINC_DISABLE
 Dma.ADC1.2.Priority=DMA_PRIORITY_LOW
 Dma.ADC1.2.RequestParameters=Instance,Direction,Per
 Dma.Request0=SDIO_RX
 Dma.Request1=SDIO_TX
 Dma.Request2=ADC1
 Dma.RequestsNb=3
 Dma.SDIO_RX.0.Direction=DMA_PERIPH_TO_MEMORY
 Dma.SDIO_RX.0.FIFOMode=DMA_FIFOMODE_ENABLE

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Dma.SDIO_RX.0.FIFOThreshold=DMA_FIFO_THRESHOLD_FULL
Dma.SDIO_RX.0.Instance=DMA2_Stream3
Dma.SDIO_RX.0.MemBurst=DMA_MBURST_INC4
Dma.SDIO_RX.0.MemDataAlignment=DMA_MDATAALIGN_WORD
Dma.SDIO_RX.0.MemInc=DMA_MINC_ENABLE
Dma.SDIO_RX.0.Mode=DMA_PFCTRL
Dma.SDIO_RX.0.PeriphBurst=DMA_PBURST_INC4
Dma.SDIO_RX.0.PeriphDataAlignment=DMA_PDATAALIGN_WO
Dma.SDIO_RX.0.PeriphInc=DMA_PINC_DISABLE
Dma.SDIO_RX.0.Priority=DMA_PRIORITY_LOW
Dma.SDIO_RX.0.RequestParameters=Instance,Direction,
Dma.SDIO_TX.1.Direction=DMA_MEMORY_TO_PERIPH
Dma.SDIO_TX.1.FIFOMode=DMA_FIFOMODE_ENABLE
Dma.SDIO_TX.1.FIFOThreshold=DMA_FIFO_THRESHOLD_FULL
Dma.SDIO_TX.1.Instance=DMA2_Stream6
Dma.SDIO_TX.1.MemBurst=DMA_MBURST_INC4
Dma.SDIO_TX.1.MemDataAlignment=DMA_MDATAALIGN_WORD
Dma.SDIO_TX.1.MemInc=DMA_MINC_ENABLE
Dma.SDIO_TX.1.Mode=DMA_PFCTRL
Dma.SDIO_TX.1.PeriphBurst=DMA_PBURST_INC4
Dma.SDIO_TX.1.PeriphDataAlignment=DMA_PDATAALIGN_WO
Dma.SDIO_TX.1.PeriphInc=DMA_PINC_DISABLE
Dma.SDIO_TX.1.Priority=DMA_PRIORITY_LOW
Dma.SDIO_TX.1.RequestParameters=Instance,Direction,
FATFS.IPParameters=_MAX_SS,_USE_LFN,_FS_RPATH,_FS_E
FATFS._FS_EXFAT=1
FATFS._FS_RPATH=1
FATFS._MAX_SS=4096
FATFS._USE_LFN=3
FREERTOS.FootprintOK=true
FREERTOS.IPParameters=Tasks01,configENABLE_FPU,conf
FREERTOS.Mutexes01=ESC_Firmware_Mutex,Dynamic,NULL
FREERTOS.Tasks01=IMU_Reading,8,256,Start_IMU_Readin
FREERTOS.configENABLE_FPU=1
FREERTOS.configGENERATE_RUN_TIME_STATS=1
FREERTOS.configUSE_NEWLIB_REENTRANT=1
FREERTOS.copyHeapFile=0
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File.Version=6

KeepUserPlacement=false

Mcu.CPN=STM32F413ZHT3

Mcu.Family=STM32F4

Mcu.IP0=NVIC

Mcu.IP1=RCC

Mcu.IP2=SYS

Mcu.IP3=USART3

Mcu.IP4=USB_OTG_FS

Mcu.IPNb=5

Mcu.Name=STM32F413Z (G-H) Tx

Mcu.Package=LQFP144

Mcu.Pin0=PC13

Mcu.Pin1=PC14-OSC32_IN

Mcu.Pin10=PG7

Mcu.Pin11=PA8

Mcu.Pin12=PA9

Mcu.Pin13=PA10

Mcu.Pin14=PA11

File.Version=6

GPIO.groupedBy=Group By Peripherals

I2C1.I2C_Mode=I2C_Fast

I2C1.IPParameters=I2C_Mode

KeepUserPlacement=false

Mcu.CPN=STM32F413ZHT3

Mcu.Family=STM32F4

Mcu.IP0=ADC1

Mcu.IP1=CAN1

Mcu.IP10=RTC

Mcu.IP11=SDIO

Mcu.IP12=SYS

Mcu.IP13=TIM1

Mcu.IP14=TIM2

Mcu.IP15=TIM3

Mcu.IP16=TIM13

Mcu.IP17=USART3

Mcu.IP18=USB_DEVICE

Mcu.IP19=USB_OTG_FS

Mcu.IP2=CAN2

Mcu.IP3=DAC

Mcu.IP4=DMA

Mcu.IP5=FATFS

Mcu.IP6=FREERTOS

Mcu.IP7=I2C1

Mcu.IP8=NVIC

Mcu.IP9=RCC

Mcu.IPNb=20

Mcu.Name=STM32F413Z (G-H) Tx

Mcu.Package=LQFP144

Mcu.Pin0=PC13

Mcu.Pin1=PC14-OSC32_IN

Mcu.Pin10=PA2

Mcu.Pin11=PA3

Mcu.Pin12=PA4

Mcu.Pin13=PA5

Mcu.Pin14=PA7

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| Mcu.Pin15=PA12 | Mcu.Pin15=PC4 |
| Mcu.Pin16=PA13 | Mcu.Pin16=PC5 |
| Mcu.Pin17=PA14 | Mcu.Pin17=PB0 |
| Mcu.Pin18=PB3 | Mcu.Pin18=PB1 |
| Mcu.Pin19=PB7 | Mcu.Pin19=PE9 |
| Mcu.Pin2=PC15-OSC32_OUT | Mcu.Pin2=PC15-OSC32_OUT |
| Mcu.Pin20=VP_SYS_VS_Systick | Mcu.Pin20=PE11 |
| | Mcu.Pin21=PE13 |
| | Mcu.Pin22=PE14 |
| | Mcu.Pin23=PB10 |
| | Mcu.Pin24=PB12 |
| | Mcu.Pin25=PB13 |
| | Mcu.Pin26=PB14 |
| | Mcu.Pin27=PB15 |
| | Mcu.Pin28=PD8 |
| | Mcu.Pin29=PD9 |
| Mcu.Pin3=PH0 - OSC_IN | Mcu.Pin3=PH0 - OSC_IN |
| | Mcu.Pin30=PD10 |
| | Mcu.Pin31=PG6 |
| | Mcu.Pin32=PG7 |
| | Mcu.Pin33=PC6 |
| | Mcu.Pin34=PC7 |
| | Mcu.Pin35=PC8 |
| | Mcu.Pin36=PC9 |
| | Mcu.Pin37=PA8 |
| | Mcu.Pin38=PA9 |
| | Mcu.Pin39=PA10 |
| Mcu.Pin4=PH1 - OSC_OUT | Mcu.Pin4=PH1 - OSC_OUT |
| Mcu.Pin5=PB0 | Mcu.Pin40=PA11 |
| Mcu.Pin6=PB14 | Mcu.Pin41=PA12 |
| Mcu.Pin7=PD8 | Mcu.Pin42=PA13 |
| Mcu.Pin8=PD9 | Mcu.Pin43=PA14 |
| Mcu.Pin9=PG6 | Mcu.Pin44=PC10 |
| Mcu.PinsNb=21 | Mcu.Pin45=PC11 |
| | Mcu.Pin46=PC12 |
| | Mcu.Pin47=PD2 |
| | Mcu.Pin48=PB3 |

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| Mcu.Pin49=PB5 | Mcu.Pin49=PB5 |
| Mcu.Pin5=PC0 | Mcu.Pin5=PC0 |
| Mcu.Pin50=PB6 | Mcu.Pin50=PB6 |
| Mcu.Pin51=PB7 | Mcu.Pin51=PB7 |
| Mcu.Pin52=PB8 | Mcu.Pin52=PB8 |
| Mcu.Pin53=PB9 | Mcu.Pin53=PB9 |
| Mcu.Pin54=VP_FATFS_VS_SDIO | Mcu.Pin54=VP_FATFS_VS_SDIO |
| Mcu.Pin55=VP_FREERTOS_VS_CMSIS_V2 | Mcu.Pin55=VP_FREERTOS_VS_CMSIS_V2 |
| Mcu.Pin56=VP_RTC_VS_RTC_Activate | Mcu.Pin56=VP_RTC_VS_RTC_Activate |
| Mcu.Pin57=VP_RTC_VS_RTC_Calendar | Mcu.Pin57=VP_RTC_VS_RTC_Calendar |
| Mcu.Pin58=VP_SYS_VS_tim14 | Mcu.Pin58=VP_SYS_VS_tim14 |
| Mcu.Pin59=VP_TIM13_VS_ClockSourceINT | Mcu.Pin59=VP_TIM13_VS_ClockSourceINT |
| Mcu.Pin6=PC2 | Mcu.Pin6=PC2 |
| Mcu.Pin60=VP_USB_DEVICE_VS_USB_DEVICE_MSC_FS | Mcu.Pin60=VP_USB_DEVICE_VS_USB_DEVICE_MSC_FS |
| Mcu.Pin7=PC3 | Mcu.Pin7=PC3 |
| Mcu.Pin8=PA0 | Mcu.Pin8=PA0 |
| Mcu.Pin9=PA1 | Mcu.Pin9=PA1 |
| Mcu.PinsNb=61 | Mcu.PinsNb=61 |
| Mcu.ThirdPartyNb=0 | Mcu.ThirdPartyNb=0 |
| Mcu.UserConstants= | Mcu.UserConstants= |
| Mcu.UserName=STM32F413ZHTx | Mcu.UserName=STM32F413ZHTx |
| MxCube.Version=6.10.0 | MxCube.Version=6.10.0 |
| MxDb.Version=DB.6.0.100 | MxDb.Version=DB.6.0.100 |
| NVIC.BusFault_IRQn=true\0\0>false:false:true\ | NVIC.BusFault_IRQn=true\5\0>true:false:true\ |
| NVIC.DebugMonitor_IRQn=true\0\0>false:false:tr | NVIC.CAN1_RX0_IRQn=true\5\0>false:false:true\ |
| Mcu.ThirdPartyNb=0 | NVIC.CAN2_RX0_IRQn=true\5\0>false:false:true\ |
| Mcu.UserConstants= | NVIC.DMA2_Stream0_IRQn=true\5\0>false:false:tr |
| Mcu.UserName=STM32F413ZHTx | NVIC.DMA2_Stream3_IRQn=true\5\0>false:false:tr |
| MxCube.Version=6.10.0 | NVIC.DMA2_Stream6_IRQn=true\5\0>false:false:tr |
| MxDb.Version=DB.6.0.100 | NVIC.DebugMonitor_IRQn=true\5\0>true:false:tru |
| NVIC.ForceEnableDMAVector=true | NVIC.ForceEnableDMAVector=true |
| NVIC.HardFault_IRQn=true\0\0>false:false:true\ | NVIC.HardFault_IRQn=true\0\0>false:false:true\ |
| NVIC.MemoryManagement_IRQn=true\0\0>false>false | NVIC.MemoryManagement_IRQn=true\5\0>true>false\ |
| NVIC.NonMaskableInt_IRQn=true\0\0>false>false\ | NVIC.NonMaskableInt_IRQn=true\0\0>false>false\ |
| NVIC.PendSV_IRQn=true\0\0>false>false:true\tr | NVIC.OTG_FS_IRQn=true\5\0>false:false:true\tr |
| Mcu.ThirdPartyNb=0 | NVIC.PendSV_IRQn=true\15\0>false:false>false\ |
| Mcu.UserConstants= | NVIC.PriorityGroup=NVIC_PRIORITYGROUP_4 |
| Mcu.UserName=STM32F413ZHTx | |
| MxCube.Version=6.10.0 | |
| MxDb.Version=DB.6.0.100 | |

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| NVIC.SVCall_IRQn=true\0\0>false:false:true:tr | NVIC.SDIO_IRQn=true\5\0:false:false:true:true |
| NVIC.SysTick_IRQn=true\0\0:false:false:true:t | NVIC.SVCall_IRQn=true\0\0:false:false>false:f |
| NVIC.UsageFault_IRQn=true\0\0>false:false:true | NVIC.SavedPendsvIrqHandlerGenerated=true |
| | NVIC.SavedSvcallIrqHandlerGenerated=true |
| | NVIC.SavedSysTickIrqHandlerGenerated=true |
| | NVIC.SysTick_IRQn=true\15\0:false:false>false\ |
| | NVIC.TIM1_CC_IRQn=true\5\0:false:false:true:t |
| | NVIC.TIM3_IRQn=true\5\0:false:false:true:true |
| | NVIC.TIM8_TRG_COM_TIM14_IRQn=true\0\0:true:fals |
| | NVIC.TIM8_UP_TIM13_IRQn=true\5\0:false:false:t |
| | NVIC.TimeBase=TIM8_TRG_COM_TIM14_IRQn |
| | NVIC.TimeBaseIP=TIM14 |
| | NVIC.USART3_IRQn=true\5\0:false:false:true:tr |
| | NVIC.UsageFault_IRQn=true\5\0:true:false:true\ |
| | PA0.GPIOParameters=GPIO_Label |
| | PA0.GPIO_Label=SYSTEM_VOLTAGE |
| | PA0.Locked=true |
| | PA0.Signal=ADCx_IN0 |
| | PA1.GPIOParameters=GPIO_Label |
| | PA1.GPIO_Label=TOTAL_CURRENT_DRAW |
| | PA1.Locked=true |
| | PA1.Signal=ADCx_IN1 |
| PA10.GPIOParameters=GPIO_Label | PA10.GPIOParameters=GPIO_Label |
| PA10.GPIO_Label=USB_ID | PA10.GPIO_Label=USB_ID |
| PA10.Locked=true | PA10.Locked=true |
| PA10.Signal=USB_OTG_FS_ID | PA10.Signal=USB_OTG_FS_ID |
| PA11.GPIOParameters=GPIO_Label | PA11.GPIOParameters=GPIO_Label |
| PA11.GPIO_Label=USB_DM | PA11.GPIO_Label=USB_DM |
| PA11.Locked=true | PA11.Locked=true |
| PA11.Mode=Device_Only | PA11.Mode=Device_Only |
| PA11.Signal=USB_OTG_FS_DM | PA11.Signal=USB_OTG_FS_DM |
| PA12.GPIOParameters=GPIO_Label | PA12.GPIOParameters=GPIO_Label |
| PA12.GPIO_Label=USB_DP | PA12.GPIO_Label=USB_DP |
| PA12.Locked=true | PA12.Locked=true |
| PA12.Mode=Device_Only | PA12.Mode=Device_Only |
| PA12.Signal=USB_OTG_FS_DP | PA12.Signal=USB_OTG_FS_DP |
| PA13.GPIOParameters=GPIO_Label | PA13.GPIOParameters=GPIO_Label |

NUCLEO-F413ZH-Generic.ioc - NUCLEO-F413ZH-pdb3-datalog.ioc

PA13.GPIO_Label=TMS
 PA13.Locked=true
 PA13.Mode=Serial_Wire
 PA13.Signal=SYS_JTMS-SWDIO
 PA14.GPIOParameters=GPIO_Label
 PA14.GPIO_Label=TCK
 PA14.Locked=true
 PA14.Mode=Serial_Wire
 PA14.Signal=SYS_JTCK-SWCLK

PA13.GPIO_Label=TMS
 PA13.Locked=true
 PA13.Mode=Serial_Wire
 PA13.Signal=SYS_JTMS-SWDIO
 PA14.GPIOParameters=GPIO_Label
 PA14.GPIO_Label=TCK
 PA14.Locked=true
 PA14.Mode=Serial_Wire
 PA14.Signal=SYS_JTCK-SWCLK

PA2.GPIOParameters=GPIO_Label
 PA2.GPIO_Label=_12V_FOR_FAN_SCALED
 PA2.Locked=true
 PA2.Signal=ADCx_IN2
 PA3.GPIOParameters=GPIO_Label
 PA3.GPIO_Label=_3V3_MCU
 PA3.Locked=true
 PA3.Signal=ADCx_IN3
 PA4.GPIOParameters=GPIO_Label
 PA4.GPIO_Label=SERVO_TRIGGER_VOLTAGE
 PA4.Locked=true
 PA4.Signal=COMP_DAC1_group
 PA5.GPIOParameters=GPIO_Label
 PA5.GPIO_Label=_7V5_SERVOS_CURRENT_FOR_MEASUREMENT
 PA5.Locked=true
 PA5.Signal=ADCx_IN5
 PA7.GPIOParameters=GPIO_Label
 PA7.GPIO_Label=ESC_SIGNAL1
 PA7.Locked=true
 PA7.Signal=GPXTI7

PA8.GPIOParameters=GPIO_Label
 PA8.GPIO_Label=USB_SOF [TP1]
 PA8.Locked=true

PA8.GPIOParameters=GPIO_Label
 PA8.GPIO_Label=USB_SOF [TP1]
 PA8.Locked=true

PA8.Mode=Activate_SOF_FS

PA8.Signal=USB_OTG_FS_SOF
 PA9.GPIOParameters=GPIO_Label
 PA9.GPIO_Label=USB_VBUS
 PA9.Locked=true

PA8.Signal=USB_OTG_FS_SOF
 PA9.GPIOParameters=GPIO_Label
 PA9.GPIO_Label=USB_VBUS
 PA9.Locked=true

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| PA9.Mode=Activate_VBUS | PA9.Signal=USB_OTG_FS_VBUS |
| PA9.Signal=USB_OTG_FS_VBUS | PA9.Signal=USB_OTG_FS_VBUS |
| PB0.GPIOParameters=GPIO_Label | PB0.GPIOParameters=GPIO_PuPd,GPIO_Label |
| PB0.GPIO_Label=LD1 [Green] | PB0.GPIO_Label=ESC_SIGNAL2 |
| PB0.Locked=true | PB0.GPIO_PuPd=GPIO_PULLUP |
| PB0.Signal=GPIO_Output | PB0.Signal=S_TIM3_CH3 |
| | PB1.GPIOParameters=GPIO_PuPd,GPIO_Label |
| | PB1.GPIO_Label=ESC_SIGNAL3 |
| | PB1.GPIO_PuPd=GPIO_PULLUP |
| | PB1.Locked=true |
| | PB1.Signal=S_TIM3_CH4 |
| | PB10.GPIOParameters=GPIO_Label |
| | PB10.GPIO_Label=SERVO_TRIGGER_VOLTAGE_PWM |
| | PB10.Locked=true |
| | PB10.Signal=S_TIM2_CH3 |
| | PB12.Locked=true |
| | PB12.Mode=CAN_Activate |
| | PB12.Signal=CAN2_RX |
| | PB13.Locked=true |
| | PB13.Mode=CAN_Activate |
| | PB13.Signal=CAN2_TX |
| PB14.GPIOParameters=GPIO_Label | PB14.GPIOParameters=GPIO_Label |
| PB14.GPIO_Label=LD3 [Red] | PB14.GPIO_Label=RED_LED |
| PB14.Locked=true | PB14.Locked=true |
| PB14.Signal=GPIO_Output | PB14.Signal=GPIO_Output |
| | PB15.GPIOParameters=GPIO_Label |
| | PB15.GPIO_Label=YAW_PWM_MODE |
| | PB15.Locked=true |
| | PB15.Signal=GPIO_Output |
| PB3.GPIOParameters=GPIO_Label | PB3.GPIOParameters=GPIO_Label |
| PB3.GPIO_Label=SWO | PB3.GPIO_Label=SWO |
| PB3.Locked=true | PB3.Locked=true |
| PB3.Signal=SYS_JTDO-SWO | PB3.Signal=SYS_JTDO-SWO |
| PB7.GPIOParameters=GPIO_Label | PB5.GPIOParameters=GPIO_PuPd,GPIO_Label |
| PB7.GPIO_Label=LD2 [Blue] | PB5.GPIO_Label=ESC_SIGNAL1 |
| PB7.Locked=true | PB5.GPIO_PuPd=GPIO_PULLUP |
| PB7.Signal=GPIO_Output | PB5.Signal=S_TIM3_CH2 |

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| | PB6.GPIOParameters=GPIO_Pu |
| | PB6.GPIO_Pu=GPIO_PULLUP |
| | PB6.Mode=I2C |
| | PB6.Signal=I2C1_SCL |
| | PB7.GPIOParameters=GPIO_Pu |
| | PB7.GPIO_Pu=GPIO_PULLUP |
| | PB7.Mode=I2C |
| | PB7.Signal=I2C1_SDA |
| | PB8.Locked=true |
| | PB8.Mode=CAN_Activate |
| | PB8.Signal=CAN1_RX |
| | PB9.Locked=true |
| | PB9.Mode=CAN_Activate |
| | PB9.Signal=CAN1_TX |
| | PC0.GPIOParameters=GPIO_Label |
| | PC0.GPIO_Label=BLUE_LED |
| | PC0.Locked=true |
| | PC0.Signal=GPIO_Output |
| | PC10.Locked=true |
| | PC10.Signal=SDIO_D2 |
| | PC11.Locked=true |
| | PC11.Signal=SDIO_D3 |
| | PC12.Locked=true |
| | PC12.Mode=SD_1_bit |
| | PC12.Signal=SDIO_CK |
| PC13.GPIOParameters=GPIO_Label | PC13.GPIOParameters=GPIO_Label |
| PC13.GPIO_Label=USER_Btn [B1] | PC13.GPIO_Label=IMU_INT |
| PC13.Locked=true | PC13.Locked=true |
| PC13.Signal=GPXTI13 | PC13.Signal=GPXTI13 |
| PC14-OSC32_IN.Locked=true | PC14-OSC32_IN.Locked=true |
| PC14-OSC32_IN.Mode=LSE-External-Oscillator | PC14-OSC32_IN.Mode=LSE-External-Oscillator |
| PC14-OSC32_IN.Signal=RCC_OSC32_IN | PC14-OSC32_IN.Signal=RCC_OSC32_IN |
| PC15-OSC32_OUT.Locked=true | PC15-OSC32_OUT.Locked=true |
| PC15-OSC32_OUT.Mode=LSE-External-Oscillator | PC15-OSC32_OUT.Mode=LSE-External-Oscillator |
| PC15-OSC32_OUT.Signal=RCC_OSC32_OUT | PC15-OSC32_OUT.Signal=RCC_OSC32_OUT |
| | PC2.GPIOParameters=GPIO_Label |
| | PC2.GPIO_Label=TEMP_MAIN |

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PC2.Locked=true
PC2.Signal=ADCx_IN12
PC3.GPIOParameters=GPIO_Label
PC3.GPIO_Label=_5V_RAIL
PC3.Locked=true
PC3.Signal=ADCx_IN13
PC4.GPIOParameters=GPIO_Label
PC4.GPIO_Label=TOTAL_CURRENT_DRAWX2
PC4.Locked=true
PC4.Signal=ADCx_IN14
PC5.GPIOParameters=GPIO_Label
PC5.GPIO_Label=_7V5_SERVOS_SCALED
PC5.Locked=true
PC5.Signal=ADCx_IN15
PC6.GPIOParameters=GPIO_PuPd,GPIO_Label
PC6.GPIO_Label=R_SERVO_SIGNAL_YAW
PC6.GPIO_PuPd=GPIO_PULLUP
PC6.Locked=true
PC6.Signal=S_TIM3_CH1
PC7.GPIOParameters=GPIO_Label
PC7.GPIO_Label=SD_CARD_DETECT
PC7.Locked=true
PC7.Signal=GPIO_Input
PC8.Locked=true
PC8.Mode=SD_1_bit
PC8.Signal=SDIO_D0
PC9.Locked=true
PC9.Signal=SDIO_D1
PD10.GPIOParameters=GPIO_Label
PD10.GPIO_Label=YAW_PWM_SRC_SEL
PD10.Locked=true
PD10.Signal=GPIO_Output
PD2.Locked=true
PD2.Mode=SD_1_bit
PD2.Signal=SDIO_CMD

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PD8.GPIOParameters=GPIO_Label
 PD8.GPIO_Label=STLK_RX [STM32F103CBT6_PA3]

PD8.GPIOParameters=GPIO_Label
 PD8.GPIO_Label=STLK_RX [STM32F103CBT6_PA3]

```

PD8.Locked=true
PD8.Mode=Asynchronous
PD8.Signal=USART3_TX
PD9.GPIOParameters=GPIO_Label
PD9.GPIO_Label=STLK_TX [STM32F103CBT6_PA2]
PD9.Locked=true
PD9.Mode=Asynchronous
PD9.Signal=USART3_RX

```

```

PD8.Locked=true
PD8.Mode=Asynchronous
PD8.Signal=USART3_TX
PD9.GPIOParameters=GPIO_Label
PD9.GPIO_Label=STLK_TX [STM32F103CBT6_PA2]
PD9.Locked=true
PD9.Mode=Asynchronous
PD9.Signal=USART3_RX

```

```

PE11.GPIOParameters=GPIO_PuPd,GPIO_Label
PE11.GPIO_Label=ESC_SIGNAL6
PE11.GPIO_PuPd=GPIO_PULLUP
PE11.Signal=S_TIM1_CH2
PE13.GPIOParameters=GPIO_PuPd,GPIO_Label
PE13.GPIO_Label=ESC_SIGNAL5
PE13.GPIO_PuPd=GPIO_PULLUP
PE13.Signal=S_TIM1_CH3
PE14.GPIOParameters=GPIO_PuPd,GPIO_Label
PE14.GPIO_Label=L_SERVO_SIGNAL_YAW
PE14.GPIO_PuPd=GPIO_PULLUP
PE14.Signal=S_TIM1_CH4
PE9.GPIOParameters=GPIO_PuPd,GPIO_Label
PE9.GPIO_Label=ESC_SIGNAL4
PE9.GPIO_PuPd=GPIO_PULLUP
PE9.Signal=S_TIM1_CH1

```

```

PG6.GPIOParameters=GPIO_Label
PG6.GPIO_Label=USB_PowerSwitchOn [STMPS2151STR_EN]
PG6.Locked=true
PG6.Signal=GPIO_Output
PG7.GPIOParameters=GPIO_Label
PG7.GPIO_Label=USB_OverCurrent [STMPS2151STR_FAULT]
PG7.Locked=true
PG7.Signal=GPIO_Input
PH0\ -\ OSC_IN.GPIOParameters=GPIO_Label
PH0\ -\ OSC_IN.GPIO_Label=MCO
PH0\ -\ OSC_IN.Locked=true
PH0\ -\ OSC_IN.Mode=HSE-External-Clock-Source
PH0\ -\ OSC_IN.Signal=RCC_OSC_IN

```

```

PG6.GPIOParameters=GPIO_Label
PG6.GPIO_Label=USB_PowerSwitchOn [STMPS2151STR_EN]
PG6.Locked=true
PG6.Signal=GPIO_Output
PG7.GPIOParameters=GPIO_Label
PG7.GPIO_Label=USB_OverCurrent [STMPS2151STR_FAULT]
PG7.Locked=true
PG7.Signal=GPIO_Input
PH0\ -\ OSC_IN.GPIOParameters=GPIO_Label
PH0\ -\ OSC_IN.GPIO_Label=MCO
PH0\ -\ OSC_IN.Locked=true
PH0\ -\ OSC_IN.Mode=HSE-External-Clock-Source
PH0\ -\ OSC_IN.Signal=RCC_OSC_IN

```

NUCLEO-F413ZH-Generic.ioc - NUCLEO-F413ZH-pdb3-datalog.ioc

| | |
|--|---|
| PH1\ -\ OSC_OUT.Mode=HSE-External-Clock-Source | PH1\ -\ OSC_OUT.Mode=HSE-External-Clock-Source |
| PH1\ -\ OSC_OUT.Signal=RCC_OSC_OUT | PH1\ -\ OSC_OUT.Signal=RCC_OSC_OUT |
| PinOutPanel.RotationAngle=0 | PinOutPanel.RotationAngle=0 |
| ProjectManager.AskForMigrate=true | ProjectManager.AskForMigrate=true |
| ProjectManager.BackupPrevious=false | ProjectManager.BackupPrevious=false |
| ProjectManager.CompilerOptimize=6 | ProjectManager.CompilerOptimize=6 |
| ProjectManager.ComputerToolchain=false | ProjectManager.ComputerToolchain=false |
| ProjectManager.CoupleFile=false | ProjectManager.CoupleFile=false |
| ProjectManager.CustomerFirmwarePackage= | ProjectManager.CustomerFirmwarePackage= |
| ProjectManager.DefaultFWLocation=true | ProjectManager.DefaultFWLocation=true |
| ProjectManager.DeletePrevious=true | ProjectManager.DeletePrevious=true |
| ProjectManager.DeviceId=STM32F413ZHTx | ProjectManager.DeviceId=STM32F413ZHTx |
| ProjectManager.FirmwarePackage=STM32Cube FW_F4 V1.2 | ProjectManager.FirmwarePackage=STM32Cube FW_F4 V1.2 |
| ProjectManager.FreePins=false | ProjectManager.FreePins=false |
| ProjectManager.HalAssertFull=false | ProjectManager.HalAssertFull=false |
| ProjectManager.HeapSize=0x200 | ProjectManager.HeapSize=0x200 |
| ProjectManager.KeepUserCode=true | ProjectManager.KeepUserCode=true |
| ProjectManager.LastFirmware=true | ProjectManager.LastFirmware=true |
| ProjectManager.LibraryCopy=1 | ProjectManager.LibraryCopy=1 |
| ProjectManager.MainLocation=Core/Src | ProjectManager.MainLocation=Core/Src |
| ProjectManager.NoMain=false | ProjectManager.NoMain=false |
| ProjectManager.PreviousToolchain= | ProjectManager.PreviousToolchain= |
| ProjectManager.ProjectBuild=false | ProjectManager.ProjectBuild=false |
| ProjectManager.ProjectFileName=NUCLEO-F413ZH-Generic | ProjectManager.ProjectFileName=NUCLEO-F413ZH-pdb3-d |
| ProjectManager.ProjectName=NUCLEO-F413ZH-Generic | ProjectManager.ProjectName=NUCLEO-F413ZH-pdb3-datal |
| ProjectManager.ProjectStructure= | ProjectManager.ProjectStructure= |
| ProjectManager.RegisterCallBack= | ProjectManager.RegisterCallBack= |
| ProjectManager.StackSize=0x400 | ProjectManager.StackSize=0x400 |
| ProjectManager.TargetToolchain=STM32CubeIDE | ProjectManager.TargetToolchain=STM32CubeIDE |
| ProjectManager.ToolChainLocation= | ProjectManager.ToolChainLocation= |
| ProjectManager.UAScriptAfterPath= | ProjectManager.UAScriptAfterPath= |
| ProjectManager.UAScriptBeforePath= | ProjectManager.UAScriptBeforePath= |
| ProjectManager.UnderRoot=true | ProjectManager.UnderRoot=true |
| ProjectManager.functionlistsort=1-SystemClock_Confi | ProjectManager.functionlistsort=1-SystemClock_Confi |
| RCC.48MHZClocksFreq_Value=24000000 | RCC.48MHZClocksFreq_Value=24000000 |
| RCC.ADC12outputFreq_Value=72000000 | RCC.ADC12outputFreq_Value=72000000 |
| RCC.ADC34outputFreq_Value=72000000 | RCC.ADC34outputFreq_Value=72000000 |

NUCLEO-F413ZH-Generic.ioc - NUCLEO-F413ZH-pdb3-datalog.ioc

| | |
|---|---|
| RCC.AHBFreq_Value=96000000 | RCC.AHBFreq_Value=96000000 |
| RCC.APB1CLKDivider=RCC_HCLK_DIV2 | RCC.APB1CLKDivider=RCC_HCLK_DIV2 |
| RCC.APB1Freq_Value=48000000 | RCC.APB1Freq_Value=48000000 |
| RCC.APB1TimFreq_Value=96000000 | RCC.APB1TimFreq_Value=96000000 |
| RCC.APB2Freq_Value=96000000 | RCC.APB2Freq_Value=96000000 |
| RCC.APB2TimFreq_Value=96000000 | RCC.APB2TimFreq_Value=96000000 |
| RCC.CortexFreq_Value=96000000 | RCC.CortexFreq_Value=96000000 |
| RCC.DFSDM2AudioFreq_Value=48000000 | RCC.DFSDM2AudioFreq_Value=48000000 |
| RCC.DFSDMAudioFreq_Value=48000000 | RCC.DFSDMAudioFreq_Value=48000000 |
| RCC.DFSDMFreq_Value=96000000 | RCC.DFSDMFreq_Value=96000000 |
| RCC.EthernetFreq_Value=8000000 | RCC.EthernetFreq_Value=8000000 |
| RCC.FCLKCortexFreq_Value=96000000 | RCC.FCLKCortexFreq_Value=96000000 |
| RCC.FMPI2C1Freq_Value=48000000 | RCC.FMPI2C1Freq_Value=48000000 |
| RCC.FamilyName=M | RCC.FamilyName=M |
| RCC.HCLKFreq_Value=96000000 | RCC.HCLKFreq_Value=96000000 |
| RCC.HSE_VALUE=8000000 | RCC.HSE_VALUE=8000000 |
| RCC.HSI_VALUE=16000000 | RCC.HSI_VALUE=16000000 |
| RCC.I2C1Freq_Value=8000000 | RCC.I2C1Freq_Value=8000000 |
| RCC.I2C2Freq_Value=8000000 | RCC.I2C2Freq_Value=8000000 |
| RCC.I2C3Freq_Value=8000000 | RCC.I2C3Freq_Value=8000000 |
| RCC.I2S1Freq_Value=48000000 | RCC.I2S1Freq_Value=48000000 |
| RCC.I2S2Freq_Value=48000000 | RCC.I2S2Freq_Value=48000000 |
| RCC.I2SClocksFreq_Value=48000000 | RCC.I2SClocksFreq_Value=48000000 |
| RCC.IPParameters=48MHZClocksFreq_Value,ADC12outputF | RCC.IPParameters=48MHZClocksFreq_Value,ADC12outputF |
| RCC.LPTimerFreq_Value=48000000 | RCC.LPTimerFreq_Value=48000000 |
| RCC.LSI_VALUE=32000 | RCC.LSI_VALUE=32000 |
| RCC.MCO1PinFreq_Value=16000000 | RCC.MCO1PinFreq_Value=16000000 |
| RCC.MCO2PinFreq_Value=96000000 | RCC.MCO2PinFreq_Value=96000000 |
| RCC.MCOFreq_Value=72000000 | RCC.MCOFreq_Value=72000000 |
| RCC.PLLCLKFreq_Value=96000000 | RCC.PLLCLKFreq_Value=96000000 |
| RCC.PLLI2SPCLKFreq_Value=48000000 | RCC.PLLI2SPCLKFreq_Value=48000000 |
| RCC.PLLI2SQCLKFreq_Value=48000000 | RCC.PLLI2SQCLKFreq_Value=48000000 |
| RCC.PLLI2SQoutputFreq_Value=48000000 | RCC.PLLI2SQoutputFreq_Value=48000000 |
| RCC.PLLI2SRCLKFreq_Value=48000000 | RCC.PLLI2SRCLKFreq_Value=48000000 |
| RCC.PLLI2SoutputFreq_Value=48000000 | RCC.PLLI2SoutputFreq_Value=48000000 |
| RCC.PLLM=8 | RCC.PLLM=8 |
| RCC.PLLMCOFreq_Value=72000000 | RCC.PLLMCOFreq_Value=72000000 |

| | |
|---|---|
| RCC.PLLMUL=RCC_PLL_MUL9 | RCC.PLLMUL=RCC_PLL_MUL9 |
| RCC.PLLN=384 | RCC.PLLN=384 |
| RCC.PLLP=RCC_PLLP_DIV4 | RCC.PLLP=RCC_PLLP_DIV4 |
| RCC.PLLQ=8 | RCC.PLLQ=8 |
| RCC.PLLQCLKFreq_Value=48000000 | RCC.PLLQCLKFreq_Value=48000000 |
| RCC.PLLQoutputFreq_Value=48000000 | RCC.PLLQoutputFreq_Value=48000000 |
| RCC.PLLRCLKFreq_Value=192000000 | RCC.PLLRCLKFreq_Value=192000000 |
| RCC.PLLRoutputFreq_Value=192000000 | RCC.PLLRoutputFreq_Value=192000000 |
| | RCC.PLLSourceVirtual=RCC_PLLSOURCE_HSE |
| RCC.PRESCALERUSB=RCC_USBCLKSOURCE_PLL_DIV1_5 | RCC.PRESCALERUSB=RCC_USBCLKSOURCE_PLL_DIV1_5 |
| RCC.PWRFreq_Value=96000000 | RCC.PWRFreq_Value=96000000 |
| RCC.RNGFreq_Value=48000000 | RCC.RNGFreq_Value=48000000 |
| RCC.RTCFreq_Value=32000 | RCC.RTCFreq_Value=32000 |
| RCC.RTCHSEDivFreq_Value=4000000 | RCC.RTCHSEDivFreq_Value=4000000 |
| RCC.SAI1AFreq_Value=8000000 | RCC.SAI1AFreq_Value=8000000 |
| RCC.SAI1BFreq_Value=8000000 | RCC.SAI1BFreq_Value=8000000 |
| RCC.SDIOFreq_Value=48000000 | RCC.SDIOFreq_Value=48000000 |
| RCC.SYSCLKFreq_VALUE=96000000 | RCC.SYSCLKFreq_VALUE=96000000 |
| RCC.SYSCLKSource=RCC_SYSCLKSOURCE_PLLCLK | RCC.SYSCLKSource=RCC_SYSCLKSOURCE_PLLCLK |
| RCC.SYSCLKSourceVirtual=RCC_SYSCLKSOURCE_PLLCLK | RCC.SYSCLKSourceVirtual=RCC_SYSCLKSOURCE_PLLCLK |
| RCC.TIM15Freq_Value=72000000 | RCC.TIM15Freq_Value=72000000 |
| RCC.TIM16Freq_Value=72000000 | RCC.TIM16Freq_Value=72000000 |
| RCC.TIM17Freq_Value=72000000 | RCC.TIM17Freq_Value=72000000 |
| RCC.TIM1Freq_Value=72000000 | RCC.TIM1Freq_Value=72000000 |
| RCC.TIM20Freq_Value=72000000 | RCC.TIM20Freq_Value=72000000 |
| RCC.TIM2Freq_Value=72000000 | RCC.TIM2Freq_Value=72000000 |
| RCC.TIM3Freq_Value=72000000 | RCC.TIM3Freq_Value=72000000 |
| RCC.TIM8Freq_Value=72000000 | RCC.TIM8Freq_Value=72000000 |
| RCC.UART4Freq_Value=36000000 | RCC.UART4Freq_Value=36000000 |
| RCC.UART5Freq_Value=36000000 | RCC.UART5Freq_Value=36000000 |
| RCC.USART1Freq_Value=72000000 | RCC.USART1Freq_Value=72000000 |
| RCC.USART2Freq_Value=36000000 | RCC.USART2Freq_Value=36000000 |
| RCC.USART3Freq_Value=36000000 | RCC.USART3Freq_Value=36000000 |
| RCC.USBFreq_Value=48000000 | RCC.USBFreq_Value=48000000 |
| RCC.VCOI2SInputFreq_Value=500000 | RCC.VCOI2SInputFreq_Value=500000 |
| RCC.VCOI2SOutputFreq_Value=96000000 | RCC.VCOI2SOutputFreq_Value=96000000 |
| RCC.VCOInputFreq_Value=1000000 | RCC.VCOInputFreq_Value=1000000 |

RCC.VCOInputMFreq_Value=500000
 RCC.VCOOutput2Freq_Value=8000000
 RCC.VCOOutputFreq_Value=384000000
 RCC.VcooutputI2S=48000000
 RCC.WatchDogFreq_Value=32000

RCC.VCOInputMFreq_Value=500000
 RCC.VCOOutput2Freq_Value=8000000
 RCC.VCOOutputFreq_Value=384000000
 RCC.VcooutputI2S=48000000
 RCC.WatchDogFreq_Value=32000



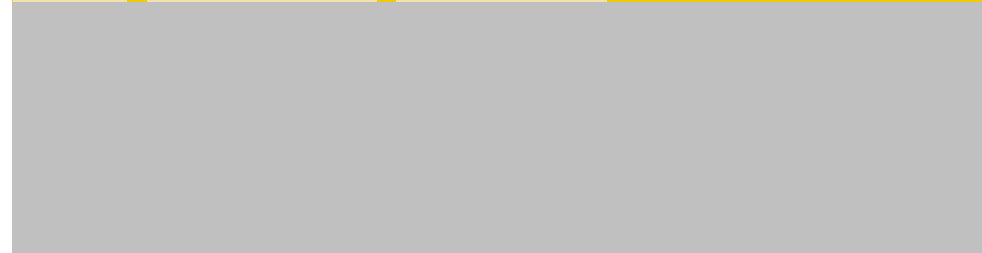
SDIO.ClockDiv=2
 SDIO.IPPParameters=ClockDiv
 SH.ADCx_IN0.0=ADC1_IN0, IN0
 SH.ADCx_IN0.ConfNb=1
 SH.ADCx_IN1.0=ADC1_IN1, IN1
 SH.ADCx_IN1.ConfNb=1
 SH.ADCx_IN12.0=ADC1_IN12, IN12
 SH.ADCx_IN12.ConfNb=1
 SH.ADCx_IN13.0=ADC1_IN13, IN13
 SH.ADCx_IN13.ConfNb=1
 SH.ADCx_IN14.0=ADC1_IN14, IN14
 SH.ADCx_IN14.ConfNb=1
 SH.ADCx_IN15.0=ADC1_IN15, IN15
 SH.ADCx_IN15.ConfNb=1
 SH.ADCx_IN2.0=ADC1_IN2, IN2
 SH.ADCx_IN2.ConfNb=1
 SH.ADCx_IN3.0=ADC1_IN3, IN3
 SH.ADCx_IN3.ConfNb=1
 SH.ADCx_IN5.0=ADC1_IN5, IN5
 SH.ADCx_IN5.ConfNb=1
 SH.COMP_DAC1_group.0=DAC_OUT1, DAC_OUT1
 SH.COMP_DAC1_group.ConfNb=1

SH.GPXTI13.0=GPIO_EXTI13
 SH.GPXTI13.ConfNb=1

SH.GPXTI13.0=GPIO_EXTI13
 SH.GPXTI13.ConfNb=1

USART3.IPPParameters=VirtualMode

SH.GPXTI7.0=GPIO_EXTI7



SH.GPXTI7.ConfNb=1
 SH.S_TIM1_CH1.0=TIM1_CH1, Input_Capture1_from_TI1
 SH.S_TIM1_CH1.ConfNb=1
 SH.S_TIM1_CH2.0=TIM1_CH2, Input_Capture2_from_TI2
 SH.S_TIM1_CH2.ConfNb=1
 SH.S_TIM1_CH3.0=TIM1_CH3, Input_Capture3_from_TI3
 SH.S_TIM1_CH3.ConfNb=1


```

SH.S_TIM1_CH4.0=TIM1_CH4,Input_Capture4_from_TI4
SH.S_TIM1_CH4.ConfNb=1
SH.S_TIM2_CH3.0=TIM2_CH3,PWM_Generation3_CH3
SH.S_TIM2_CH3.ConfNb=1
SH.S_TIM3_CH1.0=TIM3_CH1,Input_Capture1_from_TI1
SH.S_TIM3_CH1.ConfNb=1
SH.S_TIM3_CH2.0=TIM3_CH2,Input_Capture2_from_TI2
SH.S_TIM3_CH2.ConfNb=1
SH.S_TIM3_CH3.0=TIM3_CH3,Input_Capture3_from_TI3
SH.S_TIM3_CH3.ConfNb=1
SH.S_TIM3_CH4.0=TIM3_CH4,Input_Capture4_from_TI4
SH.S_TIM3_CH4.ConfNb=1
TIM1.Channel-Input_Capture1_from_TI1=TIM_CHANNEL_1
TIM1.Channel-Input_Capture2_from_TI2=TIM_CHANNEL_2
TIM1.Channel-Input_Capture3_from_TI3=TIM_CHANNEL_3
TIM1.Channel-Input_Capture4_from_TI4=TIM_CHANNEL_4
TIM1.ICFilter_CH1=15
TIM1.ICFilter_CH2=15
TIM1.ICFilter_CH3=15
TIM1.ICFilter_CH4=15
TIM1.IPParameters=Channel-Input_Capture1_from_TI1,C
TIM1.Period=0xFFFF
TIM1.Prescaler=96-1
TIM13.IPParameters=Prescaler,Period
TIM13.Period=100
TIM13.Prescaler=96-1
TIM2.Channel-PWM\ Generation3\ CH3=TIM_CHANNEL_3
TIM2.IPParameters=Channel-PWM_Generation3_CH3,Presc
TIM2.Period=1000
TIM2.Prescaler=9
TIM2.Pulse-PWM\ Generation3\ CH3=500
TIM3.Channel-Input_Capture1_from_TI1=TIM_CHANNEL_1
TIM3.Channel-Input_Capture2_from_TI2=TIM_CHANNEL_2
TIM3.Channel-Input_Capture3_from_TI3=TIM_CHANNEL_3
TIM3.Channel-Input_Capture4_from_TI4=TIM_CHANNEL_4
TIM3.ICFilter_CH1=15
TIM3.ICFilter_CH2=15

```

| | |
|---|---|
| | TIM3.ICFilter_CH3=15 |
| | TIM3.ICFilter_CH4=15 |
| | TIM3.IPParameters=Channel-Input_Capture1_from_TI1,P |
| | TIM3.Period=0xFFFF |
| | TIM3.Prescaler=96-1 |
| | USART3.BaudRate=57600 |
| | USART3.IPParameters=VirtualMode,BaudRate,Mode |
| | USART3.Mode=MODE_TX_RX |
| USART3.VirtualMode=VM_ASYNC | USART3.VirtualMode=VM_ASYNC |
| USB_OTG_FS.IPParameters=VirtualMode | USB_DEVICE.CLASS_NAME_FS=MSC |
| | USB_DEVICE.IPParameters=VirtualMode,VirtualModeFS,C |
| | USB_DEVICE.VirtualMode=Msc |
| | USB_DEVICE.VirtualModeFS=Msc_FS |
| | USB_OTG_FS.IPParameters=VirtualMode,battery_chargin |
| USB_OTG_FS.VirtualMode=Device_Only | USB_OTG_FS.VirtualMode=Device_Only |
| VP_SYS_VS_Systick.Mode=SysTick | USB_OTG_FS.battery_charging_enable=DISABLE |
| VP_SYS_VS_Systick.Signal=SYS_VS_Systick | VP_FATFS_VS_SDIO.Mode=SDIO |
| | VP_FATFS_VS_SDIO.Signal=FATFS_VS_SDIO |
| | VP_FREERTOS_VS_CMSIS_V2.Mode=CMSIS_V2 |
| | VP_FREERTOS_VS_CMSIS_V2.Signal=FREERTOS_VS_CMSIS_V2 |
| | VP_RTC_VS_RTC_Activate.Mode=RTC_Enabled |
| | VP_RTC_VS_RTC_Activate.Signal=RTC_VS_RTC_Activate |
| | VP_RTC_VS_RTC_Calendar.Mode=RTC_Calendar |
| | VP_RTC_VS_RTC_Calendar.Signal=RTC_VS_RTC_Calendar |
| | VP_SYS_VS_tim14.Mode=TIM14 |
| | VP_SYS_VS_tim14.Signal=SYS_VS_tim14 |
| | VP_TIM13_VS_ClockSourceINT.Mode=Enable_Timer |
| | VP_TIM13_VS_ClockSourceINT.Signal=TIM13_VS_ClockSou |
| | VP_USB_DEVICE_VS_USB_DEVICE_MSC_FS.Mode=MSC_FS |
| | VP_USB_DEVICE_VS_USB_DEVICE_MSC_FS.Signal=USB_DEVIC |
| board=NUCLEO-F413ZH | board=NUCLEO-F413ZH |
| boardIOC=true | boardIOC=true |
| | rtos.0.ip=FREERTOS |
| isbadioc=false | isbadioc=false |