

DAFTAR LAMPIRAN

#MicroXplorer Configuration settings - do not modify
ADC1.Channel-0\#ChannelRegularConversion=ADC_CHANNEL_0
ADC1.Channel-1\#ChannelRegularConversion=ADC_CHANNEL_1
ADC1.Channel-2\#ChannelRegularConversion=ADC_CHANNEL_2
ADC1.ContinuousConvMode=ENABLE
ADC1.IPParameters=Rank-0\#ChannelRegularConversion,Channel-0\#ChannelRegularConversion,SamplingTime-0\#ChannelRegularConversion,NbrOfConversionFlag,master,ContinuousConvMode,Rank-1\#ChannelRegularConversion,Channel-1\#ChannelRegularConversion,SamplingTime-1\#ChannelRegularConversion,Rank-2\#ChannelRegularConversion,Channel-2\#ChannelRegularConversion,SamplingTime-2\#ChannelRegularConversion,NbrOfConversion
ADC1.NbrOfConversion=3
ADC1.NbrOfConversionFlag=1
ADC1.Rank-0\#ChannelRegularConversion=1
ADC1.Rank-1\#ChannelRegularConversion=2
ADC1.Rank-2\#ChannelRegularConversion=3
ADC1.SamplingTime-0\#ChannelRegularConversion=ADC_SAMPLETIME_239CYCLES_5
ADC1.SamplingTime-1\#ChannelRegularConversion=ADC_SAMPLETIME_239CYCLES_5
ADC1.SamplingTime-2\#ChannelRegularConversion=ADC_SAMPLETIME_239CYCLES_5
ADC1.master=1
Dma.ADC1.0.Direction=DMA_PERIPH_TO_MEMORY
Dma.ADC1.0.Instance=DMA1_Channel1
Dma.ADC1.0.MemDataAlignment=DMA_MDATAALIGN_WORD

Dma.ADC1.0.MemInc=DMA_MINC_ENABLE
Dma.ADC1.0.Mode=DMA_CIRCULAR
Dma.ADC1.0.PeriphDataAlignment=DMA_PDATAALIGN_WORD
Dma.ADC1.0.PeriphInc=DMA_PINC_DISABLE
Dma.ADC1.0.Priority=DMA_PRIORITY_LOW
Dma.ADC1.0.RequestParameters=Instance,Direction,PeriphInc,MemInc,PeriphDataAlignment,MemDataAlignment,Mode,Priority
Dma.Request0=ADC1
Dma.RequestsNb=1
File.Version=6
KeepUserPlacement=false
Mcu.Family=STM32F1
Mcu.IP0=ADC1
Mcu.IP1=DMA
Mcu.IP2=NVIC
Mcu.IP3=RCC
Mcu.IP4=SYS
Mcu.IP5=TIM1
Mcu.IP6=USART1
Mcu.IPNb=7
Mcu.Name=STM32F103C(8-B)Tx
Mcu.Package=LQFP48
Mcu.Pin0=PC13-TAMPER-RTC
Mcu.Pin1=PD0-OSC_IN
Mcu.Pin10=PB0
Mcu.Pin11=PB1
Mcu.Pin12=PB10
Mcu.Pin13=PB11
Mcu.Pin14=PA8
Mcu.Pin15=PA9
Mcu.Pin16=PA10

Mcu.Pin17=PA13
Mcu.Pin18=PA14
Mcu.Pin19=PB6
Mcu.Pin2=PD1-OSC_OUT
Mcu.Pin20=PB7
Mcu.Pin21=PB8
Mcu.Pin22=VP_SYS_VS_Systick
Mcu.Pin23=VP_TIM1_VS_ClockSourceINT
Mcu.Pin3=PA0-WKUP
Mcu.Pin4=PA1
Mcu.Pin5=PA2
Mcu.Pin6=PA3
Mcu.Pin7=PA4
Mcu.Pin8=PA5
Mcu.Pin9=PA6
Mcu.PinsNb=24
Mcu.ThirdPartyNb=0
Mcu.UserConstants=
Mcu.UserName=STM32F103C8Tx
MxCube.Version=5.0.1
MxDb.Version=DB.5.0.1
NVIC.ADC1_2_IRQn=true\0\0:false:false:true:true
NVIC.BusFault_IRQn=true\0\0:false:false:true:false
NVIC.DMA1_Channel1_IRQn=true\0\0:false:false:true:false
NVIC.DebugMonitor_IRQn=true\0\0:false:false:true:false
NVIC.HardFault_IRQn=true\0\0:false:false:true:false
NVIC.MemoryManagement_IRQn=true\0\0:false:false:true:false
NVIC.NonMaskableInt_IRQn=true\0\0:false:false:true:false
NVIC.PendSV_IRQn=true\0\0:false:false:true:false
NVIC.PriorityGroup=NVIC_PRIORITYGROUP_4
NVIC.SVCALL_IRQn=true\0\0:false:false:true>false

NVIC.SysTick_IRQn=true\0\0:false:false:true:false
NVIC.UsageFault_IRQn=true\0\0:false:false:true:false
PA0-WKUP.Signal=ADCx_IN0
PA1.Signal=ADCx_IN1
PA10.Mode=Asynchronous
PA10.Signal=USART1_RX
PA13.Mode=Serial_Wire
PA13.Signal=SYS_JTMS-SWDIO
PA14.Mode=Serial_Wire
PA14.Signal=SYS_JTCK-SWCLK
PA2.Signal=ADCx_IN2
PA3.GPIOParameters=GPIO_Label
PA3.GPIO_Label=D4
PA3.Locked=true
PA3.Signal=GPIO_Output
PA4.GPIOParameters=GPIO_Label
PA4.GPIO_Label=D5
PA4.Locked=true
PA4.Signal=GPIO_Output
PA5.GPIOParameters=GPIO_Label
PA5.GPIO_Label=D6
PA5.Locked=true
PA5.Signal=GPIO_Output
PA6.GPIOParameters=GPIO_Label
PA6.GPIO_Label=D7
PA6.Locked=true
PA6.Signal=GPIO_Output
PA8.Signal=S_TIM1_CH1
PA9.Mode=Asynchronous
PA9.Signal=USART1_TX
PB0.GPIOParameters=GPIO_Label



PB0.GPIO_Label=RS
PB0.Locked=true
PB0.Signal=GPIO_Output
PB1.GPIOParameters=GPIO_Label
PB1.GPIO_Label=E
PB1.Locked=true
PB1.Signal=GPIO_Output
PB10.Locked=true
PB10.Signal=GPIO_Output
PB11.Locked=true
PB11.Signal=GPIO_Output
PB6.Locked=true
PB6.Signal=GPIO_Input
PB7.Locked=true
PB7.Signal=GPIO_Input
PB8.Locked=true
PB8.Signal=GPIO_Input
PC13-TAMPER-RTC.Locked=true
PC13-TAMPER-RTC.Signal=GPIO_Output
PCC.Checker=false
PCC.Line=STM32F103
PCC.MCU=STM32F103C(8-B)Tx
PCC.PartNumber=STM32F103C8Tx
PCC.Seq0=0
PCC.Series=STM32F1
PCC.Temperature=25
PCC.Vdd=3.3
PD0-OSC_IN.Mode=HSE-External-Oscillator
PD0-OSC_IN.Signal=RCC_OSC_IN
PD1-OSC_OUT.Mode=HSE-External-Oscillator
PD1-OSC_OUT.Signal=RCC_OSC_OUT

PinOutPanel.RotationAngle=0
ProjectManager.AskForMigrate=true
ProjectManager.BackupPrevious=false
ProjectManager.CompilerOptimize=6
ProjectManager.ComputerToolchain=false
ProjectManager.CoupleFile=false
ProjectManager.CustomerFirmwarePackage=
ProjectManager.DefaultFWLocation=true
ProjectManager.DeletePrevious=true
ProjectManager.DeviceId=STM32F103C8Tx
ProjectManager.FirmwarePackage=STM32Cube FW_F1 V1.7.0
ProjectManager.FreePins=false
ProjectManager.HalAssertFull=false
ProjectManager.HeapSize=0x200
ProjectManager.KeepUserCode=true
ProjectManager.LastFirmware=true
ProjectManager.LibraryCopy=1
ProjectManager.MainLocation=Src
ProjectManager.NoMain=false
ProjectManager.PreviousToolchain=
ProjectManager.ProjectBuild=false
ProjectManager.ProjectFileName=adc_3channel_dma.ioc
ProjectManager.ProjectName=adc_3channel_dma
ProjectManager.StackSize=0x400
ProjectManager.TargetToolchain=MDK-ARM V5
ProjectManager.ToolChainLocation=
ProjectManager.UnderRoot=false
ProjectManager.functionlistsort=1-MX_GPIO_Init-GPIO-false-HAL-true,2-
MX_DMA_Init-DMA-false-HAL-true,3-SystemClock_Config-RCC-false-HAL-
false,4-MX_ADC1_Init-ADC1-false-HAL-true,5-MX_USART1_UART_Init-
USART1-false-HAL-true,6-MX_TIM1_Init-TIM1-false-HAL-true

RCC.ADCFreqValue=12000000
RCC.ADCPresc=RCC_ADCPCLK2_DIV6
RCC.AHBFreq_Value=72000000
RCC.APB1CLKDivider=RCC_HCLK_DIV2
RCC.APB1Freq_Value=36000000
RCC.APB1TimFreq_Value=72000000
RCC.APB2Freq_Value=72000000
RCC.APB2TimFreq_Value=72000000
RCC.FCLKCortexFreq_Value=72000000
RCC.FamilyName=M
RCC.HCLKFreq_Value=72000000
RCC.IPParameters=ADCFreqValue,ADCPresc,AHBFreq_Value,APB1CLKDivid
er,APB1Freq_Value,APB1TimFreq_Value,APB2Freq_Value,APB2TimFreq_Val
ue,FCLKCortexFreq_Value,FamilyName,HCLKFreq_Value,MCOFreq_Value,PL
LCLKFreq_Value,PLLMCOFreq_Value,PLLMUL,PLLSourceVirtual,SYSCCLKF
req_VALUE,SYSCCLKSource,TimSysFreq_Value,USBFreq_Value,VCOOutput2
Freq_Value
RCC.MCOFreq_Value=72000000
RCC.PLLCLKFreq_Value=72000000
RCC.PLLMCOFreq_Value=36000000
RCC.PLLMUL=RCC_PLL_MUL9
RCC.PLLSourceVirtual=RCC_PLLSOURCE_HSE
RCC.SYSCCLKFreq_VALUE=72000000
RCC.SYSCCLKSource=RCC_SYSCCLKSOURCE_PLLCLK
RCC.TimSysFreq_Value=72000000
RCC.USBFreq_Value=72000000
RCC.VCOOutput2Freq_Value=8000000
SH.ADCx_IN0.0=ADC1_IN0,IN0
SH.ADCx_IN0.ConfNb=1
SH.ADCx_IN1.0=ADC1_IN1,IN1
SH.ADCx_IN1.ConfNb=1


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SH.ADCx_IN2.0=ADC1_IN2,IN2
SH.ADCx_IN2.ConfNb=1
SH.S_TIM1_CH1.0=TIM1_CH1,PWM Generation1 CH1
SH.S_TIM1_CH1.ConfNb=1
TIM1.Channel-PWM\ Generation1\ CH1=TIM_CHANNEL_1
TIM1.IPParameters=Channel-PWM Generation1 CH1,Prescaler,Period
TIM1.Period=199
TIM1.Prescaler=36
USART1.IPParameters=VirtualMode
USART1.VirtualMode=VM_ASYNC
VP_SYS_VS_Systick.Mode=SysTick
VP_SYS_VS_Systick.Signal=SYS_VS_Systick
VP_TIM1_VS_ClockSourceINT.Mode=Internal
VP_TIM1_VS_ClockSourceINT.Signal=TIM1_VS_ClockSourceINT
board=custom
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