

MPLAB X IDE v6.20 - getting_started_drivers_freertos_sam_e70_xult : sam_e70_xult

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Projects Resource Management [MCC] x

MCC v5.5.1

Project Resources Generate Import... Export

Libraries

- Harmony
 - Core
 - Drivers
 - Packs
 - Peripherals
 - EFC
 - TIWHS
 - USART
 - Third Party Libraries
 - RTOS
- System
 - System

Device Resources Content Manager

Libraries

- Harmony
 - Board Support Packages (BSPs)
 - Bootloader
 - Drivers
 - Graphics
 - Input
 - Libraries
 - Peripherals
 - System Services
 - TCPIP
 - Third Party Libraries
 - Tools
 - USB

Start Page Project Graph x

Plugins: View: Root

Configuration Options x

FreeRTOS

RTOS Configuration

- Scheduler Type
- Task Selection
- Tick Mode
- CPU Clock Speed (Hz)
- Tick Rate (Hz)
- Maximum number of priorities
- Minimal Stack Size
- Enable Dynamic Memory Allocation
- Enable Static memory allocation
- Memory Management Type
- Total heap size
- Maximum task name length
- Use 16-bit ticks
- Idle task should yield
- Use Mutexes
- Use Recursive Mutexes
- Use Counting Semaphores
- Use Task Notifications
- Queue Registry Size
- Use Queue Sets
- Use Time Slicing

Preemptive

Port_Optimized

Tick Interrupt

300,000,000

1,000

5

128

Enable Dynamic Memory Allocation

Enable Static memory allocation

Memory Management Type

Heap_1

40,960

16

Use 16-bit ticks

Idle task should yield

Use Mutexes

Use Recursive Mutexes

Use Counting Semaphores

Use Task Notifications

Queue Registry Size

0

Use Queue Sets

Use Time Slicing

Project Graph

Device Family Pack (DFP)

System

USART Driver

Core Service

Instances

Instance 0

UART

DRV_USART

FreeRTOS Third Party Library RTOS

CMSIS Pack

USART1 Peripheral Library UART

EFC Peripheral Library MEMORY

TIWHS0 Peripheral Library I2C

I2C Driver

Core Service

Instances

Instance 0

I2C

DRV_I2C

Core Harmony Core Service RTOS Core Service

Output Notifications [MCC] News

EDBG x Scripting x MPLAB® Code Configurator x Configuration Loading Error x

15:50:27.372 INFO: (Harmony)<Harmony Database> -> Loading System Services for ATSAME70Q21B

15:50:35.117 INFO: (Harmony)<Harmony Database> -> Loading Pin Manager for ATSAME70Q21B

15:50:39.190 INFO: (Harmony)<Harmony Database> -> satisfied: HarmonyCoreService, drv_i2c_HarmonyCoreDependency

15:50:39.190 INFO: (Harmony)<Harmony Database> -> satisfied: HarmonyCoreService, drv_i2c_HarmonyCoreDependency

15:50:39.190 INFO: (Harmony)<Harmony Database> -> satisfied: HarmonyCoreService, drv_i2c_HarmonyCoreDependency

15:50:40.104 INFO: (Harmony)<Harmony Database> -> satisfied: HarmonyCoreService, drv_usart_HarmonyCoreDependency

15:50:40.299 INFO: (Harmony)<Harmony Database> -> satisfied: HarmonyCoreService, drv_usart_HarmonyCoreDependency

15:50:40.617 INFO: (Harmony)<Harmony Database> -> satisfied: HarmonyRTOS_dependency, FreeRTOS

15:50:41.624 INFO: (Harmony)<Plugin>[Info]: Loading plugin: C:\harmony3\csp\arch\...\peripheral\pio_11004\plugin\pio_11004.jar

15:50:41.626 INFO: (Harmony)<Plugin>[Info]: Loading plugin: C:\harmony3\csp\arch\...\harmony-services\plugins\generic_plugin.jar

15:50:41.627 INFO: (Harmony)<NVIC Configuration>[Info]: initialize NVIC Configuration plugin

15:50:41.634 INFO: (Harmony)<NVIC Configuration>[Info]: Main HTML path for "NVIC Configuration" : csp/plugins/configurators/interrupt_configurators/nvic_interrupt_configuration/build/index.h

15:50:41.644 INFO: (Harmony)<DMA Configuration>[Info]: initialize DMA Configuration plugin

15:50:41.644 INFO: (Harmony)<DMA Configuration>[Info]: Main HTML path for "DMA Configuration" : csp/plugins/configurators/dma-configurators/dma-configurator-1/build/index.html

15:50:41.644 INFO: (Harmony)<Plugin>[Info]: Loading plugin: C:\harmony3\csp\arch\...\peripheral\clk_sam_e70\plugin\clockmanager.jar

15:50:41.645 INFO: (Harmony)<MPU Configurator>[Info]: initialize MPU Configurator plugin

15:50:41.646 INFO: (Harmony)<MPU Configurator>[Info]: Main HTML path for "MPU Configurator" : csp/plugins/configurators/mpu-configurators/mpu-configurator/build/index.html

Project Resources

Device Resources

Configuration Options

Output