FreeRTOS_QuickReferenceChart v1_11 FreeRTOS V10.1.1

MANAGEMENT	<pre>BaseType_t xTaskCreate(TaskFunction_t pvTaskCode, const char * const pcName, unsigned short usStackDepth, void *pvParameters, UBaseType_t uxPriority, TaskHandle t *pvCreatedTask);</pre>	Create a new instance of a task	
AGE	void vTaskDelete (TaskHandle t pxTask);	Delete an instance of a task	
IAN	void vTaskSuspend (TaskHandle_t pxTaskToSuspend);	Suspend a task	
	void vTaskSuspendAll(void);	Suspend all tasks	
TASK	void vTaskResume (TaskHandle t pxTaskToResume);		
H	BaseType_t xTaskResumeFromISR(TaskHandle_t pxTaskToResume);	Resume a task ★	
	<pre>BaseType_t xTaskResumeAll(void);</pre>	Resume all tasks	
	<pre>UBaseType_t uxTaskPriorityGet(TaskHandle_t pxTask);</pre>	Get the priority of a task	
	<pre>void vTaskPrioritySet(TaskHandle_t pxTask, UBaseType_t uxNewPriority);</pre>	Set the priority of a task	
	<pre>void vTaskDelay(TickType_t xTicksToDelay);</pre>	Place calling task into blocked state for a fixed number of ticks	
	<pre>void vTaskDelayUntil(TickType_t *pxPreviousWakeTime, TickType_t xTimeIncrement);</pre>	Place calling task into blocked state until the absolute time is reached	
	<pre>TaskHandle_t xTaskGetCurrentTaskHandle(void);</pre>	Get the handle of the running task	
	<pre>UBaseType_t uxTaskGetNumberOfTasks(void);</pre>	Get the number of all actual existing tasks	
	eTaskState eTaskGetState(TaskHandle_t pxTask);	Get the actual state of a task	
		Get the minimum amount of remaining	
	<pre>UBaseType_t uxTaskGetStackHighWaterMark(TaskHandle_t xTask);</pre>	stack of a task	
	char * pcTaskGetTaskName(TaskHandle_t xTaskToQuery);	Get the name of a task	
	TaskHookFunction_t xTaskGetApplicationTaskTag(TaskHandle_t xTask);	Get the tag value of a task	
	void vTaskSetApplicationTaskTag (TaskHandle_t xTask, TaskHookFunction_t pxTagValue);	Set a tag value associated to a task	
	<pre>void taskDISABLE_INTERRUPTS(void);</pre>	Disable interrupts (priority level!)	
	<pre>void taskENABLE_INTERRUPTS(void);</pre>	Enable all interrupt priorities	
	void taskENTER CRITICAL (void);	Disable interrupts (priority level!)	
	void taskEXIT_CRITICAL(void);	Enable interrupts	
	void taskYIELD(void);	Yield to another task of equal priority	
Ŋ	SemaphoreHandle_t xSemaphoreCreateBinary(void);	Create a binary semaphore	
SEMAPHORES	SemaphoreHandle_t xSemaphoreCreateCounting(UBaseType_t uxMaxCount,	Constant and the consta	
PH	<pre>UBaseType_t uxInitialCount);</pre>	Create a counting semaphore	
EME	SemaphoreHandle_t xSemaphoreCreateMutex(void);	Create a mutex type semaphore	
Ω	SemaphoreHandle_t xSemaphoreCreateRecursiveMutex(void);	Create a recursive mutex type semaphore	
	<pre>void vSemaphoreDelete(SemaphoreHandle_t xSemaphore);</pre>	Delete a semaphore	
	BaseType t xSemaphoreGiveFromISR(SemaphoreHandle t xSemaphore,	Defecte a bemaphore	
	BaseType_t *pxHigherPriorityTaskWoken);	★ Releases a semaphore	
	BaseType_t xSemaphoreGiveRecursive (SemaphoreHandle_t xMutex);	Releases a recursive mutex type semaphore	
	BaseType_t xSemaphoreTake (SemaphoreHandle_t xSemaphore, TickType_t xTicksToWait);		
	<pre>BaseType_t xSemaphoreTakeFromISR(SemaphoreHandle_t xSemaphore,</pre>	◆ Obtain a semaphore	
	BaseType_t xSemaphoreTakeRecursive (SemaphoreHandle_t xMutex, TickType_t xTicksToWait);	Obtain a recursive mutex type semaphore	
	TaskHandle_t xSemaphoreGetMutexHolder (SemaphoreHandle_t xMutex);	Return the handle of the holding task	
臣	<pre>void vQueueAddToRegistry(QueueHandle_t xQueue, char *pcQueueName);</pre>	Assign a name to a queue (Debug)	
QUEUE	QueueHandle_t xQueueCreate(UBaseType_t uxQueueLength, UBaseType_t uxItemSize);	Creates a queue	
Ö	<pre>void vQueueDelete(TaskHandle_t pxQueueToDelete);</pre>	Delete a queue	
	BaseType_t xQueueReset(QueueHandle_t xQueue);	Empty a queue	
	BaseType t xQueueIsQueueEmptyFromISR(const QueueHandle t pxQueue);		
	BaseType t xQueueIsQueueFullFromISR(const QueueHandle t pxQueue);	★ Queries a queue if it is full	
	UBaseType t uxQueueMessagesWaitingFromISR(const QueueHandle t xQueue);	Get the number of held items in a	
	BaseType_t xQueueSendToBackFromISR(QueueHandle_t xQueue, const void * pvItemToQueue,	queue # Write an item to the back of a queue	
	TickType_t xTicksToWait, BaseType_t *pxHigherPriorityTaskWoken);		
	BaseType_t xQueueSendToFrontFromISR (QueueHandle_t xQueue, const void * pvItemToQueue, TickType_t xTicksToWait, BaseType_t *pxHigherPriorityTaskWoken);	★ Write an item to the front of a queue	
	<pre>BaseType_t xQueueOverwriteFromISR (QueueHandle_t xQueue, const void *pvItemToQueue,</pre>	Write an item in a queue even if the queue is full	
	<pre>BaseType_t xQueuePeek(QueueHandle_t xQueue, void *pvBuffer, TickType_t xTicksToWait); BaseType_t xQueuePeekFromISR(QueueHandle_t xQueue, void *pvBuffer);</pre>	Read an item from a queue without removing it	
	<pre>BaseType_t xQueueReceive(QueueHandle_t xQueue, void *pvBuffer, TickType_t xTicksToWait); BaseType_t xQueueReceiveFromISR(QueueHandle_t xQueue, void *pvBuffer,</pre>	★ Read an item from a queue	
	<pre>UBaseType_t uxQueueSpacesAvailable(const QueueHandle_t xQueue);</pre>	Number of free spaces in a queue	
DIID	DIE. CDEAME functions DED. DELEME functions DIE. Con be called within ICD/s		



FreeRTOS_QuickReferenceChart v1_11 FreeRTOS V10.1.1

SET	QueueSetHandle_t xQueueCreateSet (const UBaseType_t uxEventQueueLength);		Create a queue set
뎐	QueueSetMemberHandle_t xQueueSelectFromSet(QueueSetHandle_t xQueueSet, const TickType_t xTicksToWait);	4	Select a member of a queue set (queue
QUEUE	QueueSetMemberHandle_t xQueueSelectFromSetFromISR(QueueSetHandle_t xQueueSet);	-	or semaphore)
₽ Ø	BaseType_t xQueueAddToSet (QueueSetMemberHandle_t xQueueOrSemaphore, QueueSetHandle t xQueueSet);		Add a queue or semaphore to a queue set
	BaseType_t xQueueRemoveFromSet(QueueSetMemberHandle_t xQueueOrSemaphore, QueueSetHandle_t xQueueSet);		Remove a queue or semaphore from a queue set
ັດ	<pre>EventGroupHandle_t xEventGroupCreate(void);</pre>		Create a new event group
GROUPS	void vEventGroupDelete (EventGroupHandle_t xEventGroup);		Delete an event group
GR	EventBits_t xEventGroupGetBitsFromISR(EventGroupHandle_t xEventGroup);	4	Get the bits from an event group
EVENT	EventBits_t xEventGroupSetBitsFromISR(EventGroupHandle_t xEventGroup, const EventBits_t uxBitsToSet, BaseType_t *pxHigherPriorityTaskWoken);	4	Set bits within event group
Ħ	<pre>EventBits_t xEventGroupClearBitsFromISR(EventGroupHandle_t xEventGroup,</pre>	4	Clear bits within event group
	EventBits_t xEventGroupWaitBits(const EventGroupHandle_t xEventGroup,		Pood hits within event group
	<pre>const EventBits_t uxBitsToWaitFor, const BaseType_t xClearOnExit, const BaseType_t xWaitForAllBits, TickType_t xTicksToWait);</pre>		Read bits within event group (optionally wait for a combination of set bits within same event group)
	<pre>EventBits_t xEventGroupSync(EventGroupHandle_t xEventGroup, const EventBits_t uxBitsToSet,</pre>		Set bits within event group and wait for a combination of set bits within same event group
NOI	<pre>BaseType_t xTaskNotifyFromISR(TaskHandle_t xTaskToNotify, uint32_t ulValue,</pre>	4	Notify a task with a 32bit value
NOTIFICATION	BaseType_t xTaskNotifyAndQuery(TaskHandle_t xTaskToNotify, uint32_t ulValue, eNotifyAction eAction, uint32_t *pulPreviousNotifyValue);		Notify a task with a 32bit value and query the previous notification value
OTIE	BaseType_t xTaskNotifyGive(TaskHandle_t xTaskToNotify);		Notify a task and increment its notification value
ĸ	<pre>void vTaskNotifyGiveFromISR(TaskHandle_t xTaskToNotify,</pre>	4	Notify a task and increment its notification value
TAS	uint32_t ulTaskNotifyTake(BaseType_t xClearCountOnExit, TickType_t xTicksToWait);		Wait for a notification value (decrement or clear on exit)
	<pre>BaseType_t xTaskNotifyWait(uint32_t ulBitsToClearOnEntry, uint32_t ulBitsToClearOnExit,</pre>		Wait for a notification value
TIMER	BaseType_t xTimerChangePeriod(TimerHandle_t xTimer, TickType_t xNewPeriod, TickType_t xTicksToWait); BaseType_t xTimerChangePeriodFromISR(TimerHandle_t xTimer, TickType_t xNewPeriod, BaseType_t *pxHigherPriorityTaskWoken);	4	Change the period of a timer
	TimerHandle_t xTimerCreate(const char *pcTimerName, const TickType_t xTimerPeriod, const UBaseType_t uxAutoReload, void * const pvTimerID, TimerCallbackFunction_t pxCallbackFunction);		Create and initializes a new instanc of a software timer
	BaseType_t xTimerDelete(TimerHandle_t xTimer, TickType_t xTicksToWait);		Delete a timer
	<pre>TaskHandle_t xTimerGetTimerDaemonTaskHandle(void);</pre>		Get the handle of the timer daemon task
	<pre>TaskHandle_t xTimerGetTimerDaemonTaskHandle(void); void *pvTimerGetTimerID(TimerHandle_t xTimer);</pre>		Get the handle of the timer daemon
			Get the handle of the timer daemon task
	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer);</pre>		Get the handle of the timer daemon task Get the ID of the timer
	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer); const char * pcTimerGetTimerName(TimerHandle_t xTimer);</pre>		Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running
	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer); const char * pcTimerGetTimerName(TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive(TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall(PendedFunction_t xFunctionToPend, void *pvParameter1,</pre>	4	Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer
	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer); const char * pcTimerGetTimerName(TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive(TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR(PendedFunction_t xFunctionToPend,</pre>	4	Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to the RTOS daemon task
	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer); const char * pcTimerGetTimerName(TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive(TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, BaseType_t *pxHigherPriorityTaskWoken);</pre>	ŧ.	Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to
	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer); const char * pcTimerGetTimerName(TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive(TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerReset(TimerHandle_t xTimer, TickType_t xTicksToWait);</pre>	₩	Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to the RTOS daemon task
	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer); const char * pcTimerGetTimerName(TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive(TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerReset(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerResetFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken);</pre>		Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to the RTOS daemon task Reset a timer and start running Set the ID of a timer
	<pre>void *pvTimerGetTimerID (TimerHandle_t xTimer); const char * pcTimerGetTimerName (TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive (TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall (PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR (PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerReset(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerResetFromISR (TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTimerSetTimerID (TimerHandle_t xTimer, void *pvNewID);</pre>		Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to the RTOS daemon task Reset a timer and start running
	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer); const char * pcTimerGetTimerName(TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive(TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerReset(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerResetFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTimerSetTimerID(TimerHandle_t xTimer, void *pvNewID); BaseType_t xTimerStart(TimerHandle_t xTimer, TickType_t xTicksToWait);</pre>	4	Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to the RTOS daemon task Reset a timer and start running Set the ID of a timer
JS	<pre>void *pvTimerGetTimerID (TimerHandle_t xTimer); const char * pcTimerGetTimerName (TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive (TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall (PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR (PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerReset(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerResetFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTimerSetTimerID (TimerHandle_t xTimer, void *pvNewID); BaseType_t xTimerStart(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerStartFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerStartFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken);</pre>	4	Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to the RTOS daemon task Reset a timer and start running Set the ID of a timer Start a timer running
EOUS	<pre>void *pvTimerGetTimerID (TimerHandle_t xTimer); const char * pcTimerGetTimerName (TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive (TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall (PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR (PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerReset(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerResetFromISR (TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTimerSetTimerID (TimerHandle_t xTimer, void *pvNewID); BaseType_t xTimerStart(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerStop(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerStop(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerStopFromISR (TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); BaseTyp</pre>	4	Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to the RTOS daemon task Reset a timer and start running Set the ID of a timer Start a timer running Stop a timer running
ANEOUS	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer); const char * pcTimerGetTimerName(TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive(TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerReset(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerResetFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTimerSetTimerID(TimerHandle_t xTimer, void *pvNewID); BaseType_t xTimerStart(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerStop(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerStop(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTaskStartScheduler(void);</pre>	4	Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to the RTOS daemon task Reset a timer and start running Set the ID of a timer Start a timer running Stop a timer running
TLLANEOUS	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer); const char * pcTimerGetTimerName(TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive(TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerReset(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerResetFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTimerSetTimerID(TimerHandle_t xTimer, void *pvNewID); BaseType_t xTimerStart(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerStartFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerStop(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerStop(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTaskStartScheduler(void); BaseType_t xTaskGetSchedulerState(void);</pre>	4	Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to the RTOS daemon task Reset a timer and start running Set the ID of a timer Start a timer running Stop a timer running Start the scheduler running Get the actual state of the schedule
#ISCELLANEOUS	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer); const char * pcTimerGetTimerName(TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive(TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, BaseType_t *TicksToWait); BaseType_t xTimerReset(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerResetFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTimerSetTimerID(TimerHandle_t xTimer, void *pvNewID); BaseType_t xTimerStart(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerStartFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerStop(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerStopFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTaskStartScheduler(void); BaseType_t xTaskGetSchedulerState(void); void vTaskGetRunTimeStats(char *pcWriteBuffer); Void vTaskGetRunTimeStats(char *pcWriteBuffer);</pre>	4	Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to the RTOS daemon task Reset a timer and start running Set the ID of a timer Start a timer running Stop a timer running Get the actual state of the schedule Get a short overview of all tasks
MISCELLANEOUS	<pre>void *pvTimerGetTimerID(TimerHandle_t xTimer); const char * pcTimerGetTimerName(TimerHandle_t xTimer); BaseType_t xTimerIsTimerActive(TimerHandle_t xTimer); BaseType_t xTimerPendFunctionCall(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, TickType_t xTicksToWait); BaseType_t xTimerPendFunctionCallFromISR(PendedFunction_t xFunctionToPend, void *pvParameter1, uint32_t ulParameter2, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerReset(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerResetFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTimerSetTimerID(TimerHandle_t xTimer, void *pvNewID); BaseType_t xTimerStart(TimerHandle_t xTimer, TickType_t xTicksToWait); BaseType_t xTimerStop(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); BaseType_t xTimerStopFromISR(TimerHandle_t xTimer, BaseType_t *pxHigherPriorityTaskWoken); void vTaskStartScheduler(void); BaseType_t xTaskGetSchedulerState(void); void vTaskList(char *pcWriteBuffer); void vTaskGetRunTimeStats(char *pcWriteBuffer);</pre>	4	Get the handle of the timer daemon task Get the ID of the timer Get the Name of the timer Queries if the timer is running Defer the execution of a function to the RTOS daemon task Reset a timer and start running Set the ID of a timer Start a timer running Stop a timer running Start the scheduler running Get the actual state of the schedule. Get a short overview of all tasks Get run time statistics Get information's of all existing