Function name	MSysTick_vInit	
Arguments	Input	none
	Output	none
Return	none	
Description	Initialize the Systick module	

Function name	MSysTick_vSetBusyWait	
Arguments	Input	A_u32Ticks	umber of ticks to delay for
	Output	none	
Return	none	
Description	Synchronous delay function	

Function name	MSysTick_vDelay		
Arguments	Input	A_u32Ticks	Number of ticks to delay for
		A_u32TickType	Type of the delay
	Output	none	
Return	none		
Description	Synchronous delay function		

Function name	MSysTick_vDelayMicroSec	
Arguments	Input	A_u32Ticks	Number of ticks to delay in micro seconds for
	Output	none
Return	none	
Description	Synchronous delay function	

Function name	MSysTick_vDelayMilliSec	
Arguments	Input	A_u32Ticks	Number of ticks to delay in milli seconds for
	Output	none
Return	none	
Description	Synchronous delay function	

Function name	MSysTick_vDelaySec	
Arguments	Input	A_u32Ticks	Number of ticks to delay in seconds for
	Output	none
Return	none	
Description	Synchronous delay function	

Function name	MSysTick_vSetSingleInterval	
		A_u32Ticks	Number of ticks to delay for

	Input	*A_Fptr	Callback function to call when the countdown has finished
Arguments	Output	none	
Return	none		
Description	Asynchronous delay function		

Function name	MSysTick_vSetPeriodicInterval		
		A_u32Ticks	Number of ticks to delay for
Arguments	Input	*A_Fptr	Callback function to call when the countdown has finished
	Output	none	
Return	none		
Description	Asynchronous delay function		

Function name	MSysTick_vStopInterval	
Arguments	Input	none
	Output	none
Return	none	
Description	Stop the interval delay function	

Function name	MSysTick_u32GetElapsedTime	
Arguments	Input	none
	Output	none
Return	Return the elapsed time since the start of the countdown	
Description	Return the elapsed time since the start of the countdown	

Function name	MSysTick_u32GetRemainingTime	
Arguments	Input	none
	Output	none
Return	The remaining time in the Systick register	
Description	Return the remaining time in the systick register	

Function name	MSysTick_vEnable	
Arguments	Input	none
	Output	none
Return	none	
Description	Enable the Systick timer	

Function name	MSysTick_vDisable	
Arguments	Input	none
	Output	none
Return	none	

Description	Disable the Systick timer

Function name	MSysTick_vEnableException	
Arguments	Input	none
	Output	none
Return	none	
Description	Enable the Systick Exception	

Function name	MSysTick_vDisableException	
Arguments	Input	none
	Output	none
Return	none	
Description	Disable the Systick Exception	