Release Notes for SPC2168 Standard Peripherals Library Drivers

V1.6.0/ 31- Dec -2021

Main Changes

1. Bug Fix

- gpio.c
  - Modify GPIO_ResetAllPin()
- comp.h/.c
  - Modify COMP_Init(), add code to enable bandgap
  - Modify COMP_EnableDAC(), add code to enable bandgap
  - Modify COMP_DACBuffer0Init() and COMP_DACBuffer1Init(), add code to enable bandgap
- adc.c
  - Modify ADC_SetSampleAndConvertTime()
  - Modify ADC_PowerUp(), add code to enable bandgap
- pga.c
  - Modify PGA_DifferentialInit(), add code to enable bandgap
- clock.c
  - Modify CLOCK_ConfigurePLL()
- timer.h
  - Delete TIMER_EnableCounterHold() and TIMER_DisableCounterHold()
- uart.h
  - Modify UART_ClearRxFIFO() and UART_ClearTxFIFO()
- spc2168_reg.h/spc2168_bitfield.h
  - Reserve TMRCTL.HOLD register bit-field
  - Modify the width of UARTFOR.BYTECNT register bit-field

2. Other Change

- pga.c
  - Add PGA_EnableSensorMode() and PGA_DisableSensorMode()
- flash.h/.c
  - Add FLASH_EraseBlock()
  - Modify FLASH_ProgramWord()
  - Add macro definition *FLASH_CMD_ERASE_BLOCK*
- clock.c
  - Add note for CLOCK_TrimPLL()
  - Modify CLOCK_Init()
- adc.h/.c
  - Modify ADC_CalculatePreciseTemperature() and ADC_CalculateTemperature()
  - Add ADC_EnableBandgap() and ADC_DisableBandgap()
- spc2168_reg.h/spc2168_bitfield.h
  - Reserve XOCTL.FREQSEL register bit-field

  - Rename XOCTL.FEEDXOUT register bit-field to XOCTL. FEEDXIO
- crc.h
  - Modify CRC_ModeEnum
- gpio.h
  - Modify the post-fix of const number
- Update SPC2168.svd, SPC2168.SFR, SPC2168.FLM and SPC2168_NVR.FLM files
- iar/startup_spc2168.s
  - Add code comment
- Example Code
  - Modify Flash_M_Access_User
  - Modify Flash_User_FuncWrap
  - Modify AES/main.c
  - Modify TSenser/main.c

V1.5.0/ 26-May-2021

Main Changes

- Spc2168.h
  - Add macro function READ_BITS().
  - Add macro function WRITE_FIELD(), READ_FIELD() and CLEAR_FIELD().
  - Add macro function POSITION_VAL().
  - Add macro function UNUSED().
- flash.c
  - Update function FLASH_SetTiming().
- i2c.c
  - Update function I2C_MasterWrite(), I2C_MasterRead(), I2C_MasterBulkWrite() and I2C_MasterBulkRead().
  - Update function I2C_SlaveBulkWrite().
- clock.c
  - Update CLOCK_Init(), CLOCK_InitWithRCO(), CLOCK_ConfigurePLL() and CLOCK_ConfigurePLLWithRCO().
  - Update CLOCK_HCLKSelEnum, CLOCK_RefSelEnum definitions.
- comp.c
  - Update function COMP_Init() and COMP_SetFilterWindowTimeNs().
- delay.h/delay.c
  - Update Delay method control macros.
- ssp.c
  - Update function SSP_MasterB2BTransceive() and SSP_SlaveTransceive().
- ecap.c
  - Update function ECAP_CaptureModeInit().
  - Rename function ECAP_SetInputPin() to ECAP_SetInput().
  - Update function ECAP_SetInput().
- pwm.c
  - Update function PWM_ComplementaryPairChannelInit() and PWM_SingleChannelInit().
- Demo code
  - Update ECAP_Continue_Absolute\main.c
  - Update ECAP_Continue_Delta\main.c
  - Update ECAP_Oneshot_Absolute\main.c
  - Update UART_TX_and_CheckRX\main.c
  - Update UART_RX_and_SentBack\main.c
  - Update SSP_Master_B2B_TxRx_Polling\main.c
  - Update SSP_Master_TxRx_INT\main.c
  - Update SSP_Master_TxRx_Polling\main.c
  - Update SSP_Slave_B2B_TxRx_Polling\main.c
  - Update SSP_Slave_TxRx_INT\main.c
  - Update SSP_Slave_TxRx_Polling\main.c
  - Update PWM_Trigger_ADC_Sample\main.c
  - Update PWM_Current_Protect_Trigger_TZ\main.c

- Update PGA_Calibration\main.c
- Update I2C_Master_Polling_TxRx\main.c
- Update I2C_Master_Bulk_Polling_TxRx\main.c
- Update I2C_Master_INT_Rx\main.c
- Update GPIO_Edge_Detect\main.c
- Update DAC\main.c

V1.4.0/ 06-May-2020

Main Changes

- adc.h
  - Update comments on ADC_GetResult(), ADC_GetTrimResult1() and ADC_GetTrimResult2().
- clock.h/.c
  - Add macro definition *__RCO0_CLOCK* and *__RCO1_CLOCK* for RCO clocks.
  - Remove macro definition *__RCO_CLOCK* and *__XO_CLOCK*.
  - Update 3 functions CLOCK_Init(), CLOCK_InitWithRCO() and CLOCK_GetModuleClock() for configuring WDT clock.
- comp.h
  - Fix bug in function COMP_Init().
  - Fix bug in function COMP_ClearAllFilterOutputStatus().
  - Rename function COMP_EnableOutputInvert() to COMP_SetOutputActiveLow().
  - Rename function COMP_DisableOutputInvert() to COMP_SetOutputActiveHigh().
- pwm.h
  - Rename function PWM_SetTimeEventTiming() to PWM_SetTimeEventIntTiming().
  - Rename function PWM_SetTimeEventPeriod() to PWM_SetTimeEventIntPeriod().
  - Add member value *ON_SYNC_PERIOD* to definition *PWM_LoadTimingEnum*.
- system_spc2168.c
  - Remove macro definition *__SYSTEM_CLOCK*.
- timer.h
  - Add function TIMER_SetCounterValue().
- wdt.c
  - Update function WDT_Init() for enabling watchdog halted-run and lockup-run mode.
- dma.h/.c
  - Update function DMA_EnableTransferCompleteInt().
  - Fix bug in function DMA_DisableTransferCompleteInt().
  - Update function DMA_EnableErrorInt().
  - Fix bug in function DMA_DisableErrorInt().
  - Update function DMA_EnableChannelTransfer().
  - Remove definition *DMA_SourcePerEnum* and *DMA_DestinationPerEnum*.
  - Add definition *DMA_PeripheralEnum*.
  - Replace functions DMA_SetHandShakeWithSSPTx(), DMA_SetHandShakeWithSSPRx(), DMA_SetHandShakeWithUARTTx() and DMA_SetHandShakeWithUARTRx() with function DMA_SetHandShakeWithPeripheral().

V1.3.0/ 18-November-2019

Main Changes

- adc.c
  - Update function ADC_ConfigureSimultaneousTiming().
- comp.c
  - Update function COMP_DACBuffer0Init().
  - Update function COMP_DACBuffer1Init().
- ecap.h
  - Rename definition *ECAP_EvtEnum* to *ECAP_EventEnum*.
  - Update function ECAP_APWMSetDuty().
- flash.c
  - Update function FLASH_WriteProtect().
- pwm.h
  - Update macro function PWM_SetOneShotTripEvent().
  - Update macro function PWM_SetCBCTripEvent().
  - Update member values of definition *PWM_TripActionEnum*.
- system.h
  - Rename definition *SYSTEM_ResetEvtEnum* to *SYSTEM_ResetEventEnum*.
- wdt.h
  - Rename macro function WDT_GetRawIntFlag() to WDT_GetIntRawFlag().
- spc1068_reg.h/spc1168_bitfield.h
  - Update UARTISR.XMITIR bit-field macro definitions.
  - Remove UARTFCR.TRAIL bit-field.
  - Rename DMACHCTL2.FIFODAV to DMACHCTL2.FIFOEMPTY.
- Add FreeRTOS middle-wares.

V1.2.0/ 18-July-2019

Main Changes

- aes.h
  - Rename function AES_EnableInputFIFOFullInt() to AES_EnableInputFullInt().
  - Rename function AES_DisableInputFIFOFullInt() to AES_DisableInputFullInt().
  - Rename function AES_EnableOutputFIFOEmptyInt() to AES_EnableOutputEmptyInt().
  - Rename function AES_DisableOutputFIFOEmptyInt() to AES_DisableOutputEmptyInt().
  - Rename function AES_ClearInputFIFOFullInt() to AES_ClearInputFullInt().
  - Rename function AES_ClearOutputFIFOEmptyInt() to AES_ClearOutputEmptyInt().
  - Rename function AES_GetInputFIFOFullIntFlag() to AES_GetInputFullIntFlag().
  - Rename function AES_GetOutputFIFOEmptyIntFlag() to AES_GetOutputEmptyIntFlag().
  - Rename function AES_GetInputFIFOFullIntRawFlag() to AES_GetInputFullIntRawFlag().
  - Rename function AES_GetOutputFIFOEmptyIntRawFlag() to AES_GetOutputEmptyIntRawFlag().
  - Rename function AES_IsInputFIFOFull() to AES_IsInputFull().
  - Rename function AES_IsOutputFIFOReady() to AES_IsOutputReady().
  - Rename function AES_IsOutputFIFOEmpty() to AES_IsOutputEmpty().
- comp.h
  - Rename function COMP_SetFilterClkDiv() to COMP_SetFilterClockDiv().
- i2c.h
  - Rename function I2C_EnableRxFullInt() to I2C_EnableRxDataAvailableInt().
  - Rename function I2C_DisableRxFullInt() to I2C_DisableRxDataAvailableInt().
  - Rename function I2C_EnableTxEmptyInt() to I2C_EnableTxDataRequestInt().
  - Rename function I2C_DisableTxEmptyInt() to I2C_DisableTxDataRequestInt().
  - Rename function I2C_GetRxFullIntFlag() to I2C_GetRxDataAvailableIntFlag().
  - Rename function I2C_GetTxEmptyIntFlag() to I2C_GetTxDataRequestIntFlag().
  - Rename function I2C_GetRxFullIntRawFlag() to I2C_GetRxDataAvailableIntRawFlag().
  - Rename function I2C_GetTxEmptyIntRawFlag() to I2C_GetTxDataRequestIntRawFlag().
  - Rename function I2C_IsTxFIFONotFull() to I2C_IsTxNotFull().
  - Rename function I2C_IsTxFIFOEmpty() to I2C_IsTxEmpty().
  - Rename function I2C_IsRxFIFONotEmpty() to I2C_IsRxNotEmpty().
  - Rename function I2C_IsRxFIFOFull() to I2C_IsRxFull().
- ssp.h
  - Add 4 new functions for controlling DMA service requests: SSP_EnableDMATransmitService(), SSP_DisableDMATransmitService(), SSP_EnableDMAReceiveService() and SSP_DisableDMAReceiveService().
  - Rename function SSP_EnableRxFIFOOverflowInt() to SSP_EnableRxOverflowInt().
  - Rename function SSP_DisableRxFIFOOverflowInt() to SSP_DisableRxOverflowInt().
  - Rename function SSP_EnableTxFIFOUnderflowInt() to SSP_EnableTxUnderflowInt().
  - Rename function SSP_DisableTxFIFOUnderflowInt() to SSP_DisableTxUnderflowInt().
  - Rename function SSP_EnableTxFIFOEmptyInt() to SSP_EnableTxDataRequestInt().
  - Rename function SSP_DisableTxFIFOEmptyInt() to SSP_DisableTxDataRequestInt().
  - Rename function SSP_EnableRxFIFOFullInt() to SSP_EnableRxDataAvailableInt().
  - Rename function SSP_DisableRxFIFOFullInt() to SSP_DisableRxDataAvailableInt().

- Rename function SSP_SetRxFIFOTriggerLevel() to SSP_SetRxFIFOTriggerThreshold().
- Rename function SSP_SetTxFIFOTriggerLevel() to SSP_SetTxFIFOTriggerThreshold().
- Rename function SSP_IsTxFIFONotFull() to SSP_IsTxNotFull().
- Rename function SSP_IsRxFIFONotEmpty() to SSP_IsRxNotEmpty().
- Rename function SSP_IsTxFIFOServiceRequest() to SSP_IsTxServiceRequest().
- Rename function SSP_IsRxFIFOServiceRequest() to SSP_IsRxServiceRequest().
- Rename function SSP_IsRxFIFOOverflow() to SSP_IsRxOverflow().
- Rename function SSP_IsTxFIFOUnderflow() to SSP_IsTxUnderflow().
- Rename function SSP_IsTxFIFOHasOddSample() to SSP_IsTxHasOddSample().
- Rename function SSP_IsRxFIFOHasOddSample() to SSP_IsRxHasOddSample().
- Rename function SSP_ClearRxFIFOOverflowInt() to SSP_ClearRxOverflowInt().
- Rename function SSP_ClearTxFIFOUnderflowInt() to SSP_ClearTxUnderflowInt().

■ uart.h/.c
- Add 2 new functions for controlling DMA service requests: UART_EnableDMAService() and UART_DisableDMAService().
- Rename definition *UART_TxTriggerLevelEnum* to *UART_TxThresholdEnum*.
- Rename definition *UART_RxTriggerLevelEnum* to *UART_RxThresholdEnum*.
- Rename function UART_ResetRxFIFO() to UART_ClearRxFIFO().
- Rename function UART_ResetTxFIFO() to UART_ClearTxFIFO().
- Rename function UART_IsTxFIFOEmpty() to UART_IsTxDone().
- Rename function UART_IsBreakReceived() to UART_IsRxBreak().
- Rename function UART_IsFrameError() to UART_IsRxFrameError().
- Rename function UART_IsParityError() to UART_IsRxParityError().
- Rename function UART_IsRxDataLost() to UART_IsRxOverflow().
- Rename function UART_IsRxDataReady() to UART_IsRxNotEmpty().
- Rename function UART_SetFIFOTriggerLevel() to UART_SetFIFOTriggerThreshold().

■ spc2168.h
- Add 9 new functions
  - 2 new functions to set register bits: SET_BIT() and SET_BITS().
  - 2 new functions to clear register bits: CLEAR_BIT() and CLEAR_BITS().
  - 1 new function to read register bit value: READ_BIT().
  - 1 new function to clear register: CLEAR_REG().
  - 1 new function to write value to register: WRITE_REG().
  - 1 new function to read register value: READ_REG().
  - 1 new function to modify register value: MODIFY_REG().

■ spc2168_reg.h/spc2168_bitfield.h
- Rename bit definition NRZE to NRZME in UARTIER register.
- Rename bit definition RSTRF to CLRRF in UARTFCR register.
- Rename bit definition RSTTF to CLRTF in UARTFCR register.
- Rename bit definition ITL to RXTH in UARTFCR register.
- Rename bit definition TIL to TXTH in UARTFCR register.
- Rename bit definition BUS to BUS32 in UARTFCR register.
- Rename bit definition TXEMPTY to TXDONE in UARTLSR register.
- Rename bit definition RXFULL to RXDAV in I2CIF/I2CRAWIF/I2CIE register.

- Rename bit definition TXEMPTY to TXDREQ in I2CIF/I2CRAWIF/I2CIE register.
- Rename bit definition TTFC to TT in DMACHCTL0 register.
- Rename bit definition FIFOEMPTY to FIFODAV in DMACHCTL2 register.
- Rename bit definition FIFOMODE to FIFOTH in DMACHCTL3 register.
- Rename register DMATCSTS to DMATCRAWIF.
- Rename register DMAERRSTS to DMAERRRAWIF.

■ dma.h/.c

- Rename function DMA_SetFIFOMode() to DMA_SetFIFOThreshold().
- Rename function DMA_GetTransferCompleteStatus() to DMA_GetTransferCompleteIntRawFlag().
- Rename function DMA_GetErrorStatus() to DMA_GetErrorIntRawFlag().
- Rename function DMA_GetGlobalErrorIntFlag() to DMA_GetErrorGlobalIntFlag().
- Rename function DMA_GetGlobalTransferCompleteIntFlag() to DMA_GetTransferCompleteGlobalIntFlag().
- Rename function DMA_EnableChannel() to DMA_EnableChannelTransfer().
- Add 4 new functions: DMA_SetHandShakeWithSSPTx(), DMA_SetHandShakeWithSSPRx(), DMA_SetHandShakeWithUARTTx and DMA_SetHandShakeWithUARTRx().

■ Add IAR for ARM project support for examples.

V1.1.0/ 02-July-2019

Main Changes

- adc.h/.c
  - Rename function ADC_PowerUP() to ADC_PowerUp().
  - Rename function ADC_SetSampleAndConvTime() to ADC_SetSampleAndConvertTime().
  - Rename function ADC_SelectPinSingleEnd() to ADC_SelectPinSingleEnded().
- aes.h
  - Rename function AES_ClearInputFifo() to AES_ClearInputFIFO().
  - Rename function AES_ClearOutputFifo() to AES_ClearOutputFIFO().
  - Rename function AES_EnableInputFifoFullInt() to AES_EnableInputFIFOFullInt().
  - Rename function AES_DisableInputFifoFullInt() to AES_DisableInputFIFOFullInt().
  - Rename function AES_EnableOutputFifoEmptyInt() to AES_EnableOutputFIFOEmptyInt().
  - Rename function AES_DisableOutputFifoEmptyInt() to AES_DisableOutputFIFOEmptyInt().
  - Rename function AES_ClearInputFifoFullInt() to AES_ClearInputFIFOFullInt().
  - Rename function AES_ClearOutputFifoEmptyInt() to AES_ClearOutputFIFOEmptyInt().
  - Rename function AES_GetInputFifoFullIntFlag() to AES_GetInputFIFOFullIntFlag().
  - Rename function AES_GetOutputFifoEmptyIntFlag() to AES_GetOutputFIFOEmptyIntFlag().
  - Rename function AES_GetInputFifoFullIntRawFlag() to AES_GetInputFIFOFullIntRawFlag().
  - Rename function AES_GetOutputFifoEmptyIntRawFlag() to AES_GetOutputFIFOEmptyIntRawFlag().
  - Rename function AES_IsInputFifoFull() to AES_IsInputFIFOFull().
  - Rename function AES_IsOutputFifoReady() to AES_IsOutputFIFOReady().
  - Rename function AES_IsOutputFifoEmpty() to AES_IsOutputFIFOEmpty().
- clock.h/.c
  - Rename macro function CLOCK_NstoCounter() to CLOCK_NsToCounter().
  - Rename function CLOCK_PLLConfig() to CLOCK_ConfigurePLL().
  - Rename function CLOCK_PLLQuickConfigWithRCO() to CLOCK_ConfigurePLLWithRCO().
  - Rename function CLOCK_GetModuleClk() to CLOCK_GetModuleClock().
- comp.h
  - Update function COMP_ResetFilter().
  - Rename function COMP_SetDACValueMV() to COMP_SetDACVoltage().
- dma.h
  - Rename function DMA_IsFifoEmpty() to DMA_IsFIFOEmpty().
  - Rename function DMA_SetFifoMode() to DMA_SetFIFOMode().
- ecap.h/.c
  - Rename function ECAP_APwmActiveHigh() to ECAP_APWMSetActiveHigh().
  - Rename function ECAP_APwmActiveLow() to ECAP_APWMSetActiveLow().
  - Rename function ECAP_CounterRun() to ECAP_RunCounter().
  - Rename function ECAP_CounterStop() to ECAP_StopCounter().
  - Rename function ECAP_EventTriggeredOnRisingEdge() to ECAP_SetEventTriggeredOnRisingEdge().
  - Rename function ECAP_EventTriggeredOnFallingEdge() to ECAP_SetEventTriggeredOnFallingEdge().

- Rename function ECAP_SetCounterVal() to ECAP_SetCounterValue().
- Rename function ECAP_EnableCntOverflowInt() to ECAP_EnableCounterOverflowInt().
- Rename function ECAP_DisableCntOverflowInt() to ECAP_DisableCounterOverflowInt().
- Rename function ECAP_EnableCntEqualPrdInt() to ECAP_EnableCounterEqualPRDInt().
- Rename function ECAP_DisableCntEqualPrdInt() to ECAP_DisableCounterEqualPRDInt().
- Rename function ECAP_EnableCntEqualCmpInt() to ECAP_EnableCounterEqualCMPInt().
- Rename function ECAP_DisableCntEqualCmpInt() to ECAP_DisableCounterEqualCMPInt().
- Rename function ECAP_GetCntOverflowIntFlag() to ECAP_GetCounterOverflowIntFlag().
- Rename function ECAP_GetCntEqualPrdIntFlag() to ECAP_GetCounterEqualPRDIntFlag().
- Rename function ECAP_GetCntEqualCmpIntFlag() to ECAP_GetCounterEqualCMPIntFlag().
- Rename function ECAP_ForceCntOverflowInt() to ECAP_ForceCounterOverflowInt().
- Rename function ECAP_ForceCntEqualPrdInt() to ECAP_ForceCounterEqualPRDInt().
- Rename function ECAP_ForceCntEqualCmpInt() to ECAP_ForceCounterEqualCMPInt().
- Rename function ECAP_ClearCntOverflowInt() to ECAP_ClearCounterOverflowInt().
- Rename function ECAP_ClearCntEqualPrdInt() to ECAP_ClearCounterEqualPRDInt().
- Rename function ECAP_ClearCntEqualCmpInt() to ECAP_ClearCounterEqualCMPInt().
- Rename function ECAP_APwmModeInit() to ECAP_APWMModeInit().
- Rename function ECAP_APwmSetDuty() to ECAP_APWMSetDuty().

■ gpio.h
- Rename macro function GpioPinPort() to __GPIO_PIN_PORT().
- Rename macro function GpioPinIndex() to __GPIO_PIN_INDEX().
- Rename macro function GPIO_OUTPUT_REG_ADDR() to __GPIO_OUTPUT_REG_ADDR().
- Rename macro function GpioGplrAddr() to __GPIO_GPLR_ADDR().
- Rename function GPIO_LevelIntActiveHigh() to GPIO_SetLevelIntActiveHigh().
- Rename function GPIO_LevelIntActiveLow() to GPIO_SetLevelIntActiveLow().

■ i2c.h/.c
- Rename function I2C_IsTxFifoNotFull() to I2C_IsTxFIFONotFull().
- Rename function I2C_IsTxFifoEmpty() to I2C_IsTxFIFOEmpty().
- Rename function I2C_IsRxFifoNotEmpty() to I2C_IsRxFIFONotEmpty().
- Rename function I2C_IsRxFifoFull() to I2C_IsRxFIFOFull().
- Rename function I2C_SetTxFifoThreshold() to I2C_SetTxFIFOThreshold().
- Rename function I2C_SetRxFifoThreshold() to I2C_SetRxFIFOThreshold().
- Rename function I2C_GetTxFifoLevel() to I2C_GetTxFIFOLevel().
- Rename function I2C_GetRxFifoLevel() to I2C_GetRxFIFOLevel().

■ pga.h/.c
- Rename function PGA_DiffInit() to PGA_DifferentialInit().
- Rename function PGA_SelecPositiveCHAsComInput() to PGA_SelectPositiveChannelAsCommonInput().
- Rename function PGA_SelecNegativeCHAsComInput() to PGA_SelectNegativeChannelAsCommonInput().

■ pwm.h/.c
- Rename function PWM_GetPeriodValue() to PWM_GetPRD().
- Rename function PWM_SetPeriodValue() to PWM_SetPRD().
- Rename function PWM_EnableSyncFromTimer0() to PWM_EnableSyncFromTIMER0().

- Rename function PWM_EnableSyncFromTimer1() to PWM_EnableSyncFromTIMER1().
- Rename function PWM_EnableSyncFromTimer2() to PWM_EnableSyncFromTIMER2().
- Rename function PWM_DisableSyncFromTimer0() to PWM_DisableSyncFromTIMER0().
- Rename function PWM_DisableSyncFromTimer1() to PWM_DisableSyncFromTIMER1().
- Rename function PWM_DisableSyncFromTimer2() to PWM_DisableSyncFromTIMER2().
- Rename function PWM_CalSyncReloadValue() to PWM_CalculateSyncReloadValue().

■ ssp.h/.c

- Rename function SSP_EnableFifoPackMode() to SSP_EnableFIFOPackMode().
- Rename function SSP_DisableFifoPackMode() to SSP_DisableFIFOPackMode().
- Rename function SSP_EnableRxFifoOverflowInt() to SSP_EnableRxFIFOOverflowInt().
- Rename function SSP_DisableRxFifoOverflowInt() to SSP_DisableRxFIFOOverflowInt().
- Rename function SSP_EnableTxFifoUnderflowInt() to SSP_EnableTxFIFOUnderflowInt().
- Rename function SSP_DisableTxFifoUnderflowInt() to SSP_DisableTxFIFOUnderflowInt().
- Rename function SSP_EnableTxFifoEmptyInt() to SSP_EnableTxFIFOEmptyInt().
- Rename function SSP_DisableTxFifoEmptyInt() to SSP_DisableTxFIFOEmptyInt().
- Rename function SSP_EnableRxFifoFullInt() to SSP_EnableRxFIFOFullInt().
- Rename function SSP_DisableRxFifoFullInt() to SSP_DisableRxFIFOFullInt().
- Rename function SSP_GetTxFifoLevel() to SSP_GetTxFIFOLevel().
- Rename function SSP_GetRxFifoLevel() to SSP_GetRxFIFOLevel().
- Rename function SSP_SetRxFifoTriggerLevel() to SSP_SetRxFIFOTriggerLevel().
- Rename function SSP_SetTxFifoTriggerLevel() to SSP_SetTxFIFOTriggerLevel().
- Rename function SSP_IsTxFifoNotFull() to SSP_IsTxFIFONotFull().
- Rename function SSP_IsRxFifoNotEmpty() to SSP_IsRxFIFONotEmpty().
- Rename function SSP_IsTxFifoServiceRequest() to SSP_IsTxFIFOServiceRequest().
- Rename function SSP_IsRxFifoServiceRequest() to SSP_IsRxFIFOServiceRequest().
- Rename function SSP_IsRxFifoOverflow() to SSP_IsRxFIFOOverflow().
- Rename function SSP_IsTxFifoUnderflow() to SSP_IsTxFIFOUnderflow().
- Rename function SSP_IsBusySyncSlaveClk() to SSP_IsBusySyncSlaveClock().
- Rename function SSP_IsTxFifoHasOddSample() to SSP_IsTxFIFOHasOddSample().
- Rename function SSP_IsRxFifoHasOddSample() to SSP_IsRxFIFOHasOddSample().
- Rename function SSP_ClearRxFifoOverflowInt() to SSP_ClearRxFIFOOverflowInt().
- Rename function SSP_ClearTxFifoUnderflowInt() to SSP_ClearTxFIFOUnderflowInt().
- Update 2 functions: SSP_Init() and SSP_MasterB2BTransceive().

■ uart.h/.c

- Rename function UART_DisableFifo() to UART_DisableFIFO().
- Rename function UART_ResetRxFifo() to UART_ResetRxFIFO().
- Rename function UART_ResetTxFifo() to UART_ResetTxFIFO().
- Rename function UART_GetRxFifoLevel() to UART_GetRxFIFOLevel().
- Rename function UART_IsFifoError() to UART_IsFIFOError().
- Rename function UART_IsTxFifoEmpty() to UART_IsTxFIFOEmpty().
- Rename function UART_SetFifoTriggerLevel() to UART_SetFIFOTriggerLevel().

■ wdt.h

- Rename function WDT_SetLoadVal() to WDT_SetReloadValue().
- Rename function WDT_GetLoadVal() to WDT_GetReloadValue().

- Rename function WDT_GetCounterVal() to WDT_GetCounterValue().

- Add IAR for ARM tool-chain support.

V1.0.0/ 24-May-2019

- **Created.**