Release Notes for SPC1128 Standard Peripherals Library Drivers

V7.0.0/ 8-Jul-2026

1. Bug Fix

- Uart.h
  - Modify UART_DisableInt
- Pwm.h
  - Modify PWM_SetSyncOutputEvt

2. Other Change

- Pwm.h
  - Add PWM_ForceContinuousOutputOnCHB

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V6.0.0/ 3-Mar-2026

1. Bug Fix

2. Other Change

- Adc.h
  - Modify ADC_SHPositiveInputEnum
- Pin.h
  - Add PIN_GPIO32_ANA_IN32
- Pwm.h
  - Modify PWM_GetOutputEvtTiming
- Spc1128_hv.h
  - Modify Spc1128_hv.h
- adc.c
  - Modify ADC_Init, ADC_SimultaneousInit
- Spc1128_hv.c
  - Modify spc1128_hv.c
- Delay.c
  - Modify Delay_Us
- Example Code
  - Modify BUCK_Over_Voltage_Trigger_TZ

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V5.0.0/ 19-Nov-2025

1. Bug Fix

- uart.h
  - Modify UART_ClearRxFIFO, UART_ClearTxFIFO, UART_ClearFIFO, UART_DisableFIFO
  - Delect UART_IsEnableFIFO, UART_Set8BitBusWidth, UART_Set32BitBusWidth, UART_SetRxFIFOThreshold, UART_GetRxFIFOThreshold, UART_SetTxFIFOThreshold, UART_GetTxFIFOThreshold
  - Add UART_SetRxTxFIFOThreshold
- Spc1128_hv.h
  - Modify HV_TIMEOUT_MAX
- Pwm.c
  - Modify PWM_InitComplementaryPairCh

2. Other Change

- Epwr.h
  - EPWR_SetTripEvtUponInputActiveHigh renamed to EPWR_SetTripEvtInputActiveHigh
  - EPWR_SetTripEvtUponInputActiveLow renamed to EPWR_SetTripEvtInputActiveLow
  - EPWR_SetTripEvtAsOutputActiveHigh renamed to EPWR_SetTripEvtOutputActiveHigh
  - EPWR_SetTripEvtAsOutputActiveLow renamed to EPWR_SetTripEvtOutputActiveLow
- Adc.h
  - Modify ADC_Init
- Comp.c
  - Modify COMP_SetFilterWindowInNs
- Gpio.c
  - Modify GPIO_SetOpenDrainOutputHigh
- Uart.c
- Example Code
  - Modify ECAP_Continue_Absolute_Dule_Pin
  - Modify ECAP_Continue_Delta
  - Modify ECAP_Oneshot_Absolute
  - Modify ECAP_Oneshot_Delta
  - Modify UART_Rx_Undefined_Length

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V4.0.0/ 21-Mar-2025

1. Bug Fix

- pwm.h
  - Modify PWM_InitComplementaryPairCh, PWM_InitSingleCh

2. Other Change

- Adc.c
  - Modify ADC_GetTemperature
- Example Code
  - Modify all ECAP demos
  - Modify all PWM demos

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V3.0.0/ 28-Feb-2025

1. Bug Fix

- Spc1128_hv.c/h
  - Add HV_GetTrimInfo
  - Modify HV_ResetReg, HV_ComInit, HV_Init, HV_Command, HV_Handshake, HV_WriteReg, HV_ReadReg, HV_WriteRegField, HV_InitReg, HV_EnableVDDGAnalogTest
- Pin.h
  - Modify PIN_EnablePullDown, PIN_EnablePullUp

2. Other Change

- utility.h
  - add utility.h
- Spc1125_reg.h
  - Modify Spc1125_reg.h
- Spc1125_bitfield.h
  - Modify Spc1125_bitfield.h
- Adc.c/h
  - Modify ADC_Enable, ADC_Init, ADC_GetTemperature
  - Delete ADC_PowerUp
  - Add ADC_SimultaneousInit
- Crc.c/h
  - Modify CRC_Calculate
  - Delete CRC_GetIntRawFlag
  - Add CRC_GetIntEvtFlag
- I2c.c/h
  - Modify I2C_InitHighSpeed, I2C_InitMaster, I2C_InitSlave, I2C_IntEnum
  - Add I2C_MasterSend, I2C_SlaveReceive, I2C_MasterReceive, I2C_SlaveSend, I2C_SetHighSpeedMasterCode, I2C_GetHighSpeedMasterCode, I2C_GetIntEvtFlag
  - Delete I2C_MasterWrite, I2C_SlaveRead, I2C_MasterRead, I2C_SlaveWrite, I2C_SetHighSpeedCode, I2C_GetHighSpeedCode, I2C_GetIntRawFlag
- Uart.c/h
  - Modify UART_Init, UART_Send, UART_Receive,
  - Delete UART_InitSpeed, UART_Write, UART_Read
- Clock.c/h
  - Modify CLOCK_ConfigurePLL, CLOCK_InitWithXO, CLOCK_InitWithRCO, CLOCK_InitDetection, CLOCK_IntEnum, CLOCK_StatusEnum, COMP_Init
  - Delete CLOCK_ToCntInNs, CLOCK_ToCntInUs, CLOCK_ToCntInMs
- Comp.h
  - Add COMP_SetDACCode
  - Modify COMP_SetDACVoltage, Modify COMP_OutputEnum
  - Delete COMP_GetShadowDACCode, COMP_SetShadowDACCode
- Ecap.c/h
  - Modify ECAP_InitSingleCaptureMode, ECAP_InitDualCapt

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- Delete ECAP_CntrModeOnCoreHaltEnum, ECAP_SetCntrModeOnCoreHalt, ECAP_GetCntrModeOnCoreHalt, ECAP_GetIntRawFlag
- Add ECAP_CntrModeUponCoreHaltEnum, ECAP_SetCntrModeUponCoreHalt, ECAP_GetCntrModeUponCoreHalt, ECAP_GetIntEvtFlag

- Epwr.h
  - Modify EPWR_OutputEnum, EPWR_SetFilterThreshold, EPWR_SetFilterWindow, EPWR_SetFilterClkDiv,
  - Delete EPWR_SetTripEvtAsInputActiveHigh, EPWR_SetTripEvtAsInputActiveLow, EPWR_EnableComInterface, EPWR_DisableComInterface, EPWR_IsEnableComInterface
  - Add EPWR_SetTripEvtUponInputActiveHigh, EPWR_SetTripEvtUponInputActiveLow, EPWR_EnableCommunicationInterface, EPWR_DisableCommunicationInterface, EPWR_IsEnableCommunicationInterface
- Power.h
  - Delate POWER_GetIntRawFlag
  - Add POWER_GetIntEvtFlag
- Pwm.h
  - Modify PWM_LoadTimingEnum
  - Delete PWM_GetTripIntRawFlag
  - Add PWM_GetTripIntEvtFlag
- Spc1125.h
  - Modify spc1125.h
- Spi.c/h
  - Modify SPI_Init,
  - Delete SPI_TxIdleModeEnum, SPI_SetTxIdleMode, SPI_InitSpeed, SPI_HalfDuplexTx, SPI_HalfDuplexRx
  - Add SPI_TxTriStatedTimingEnum, SPI_SetTxTriStatedTiming, SPI_HalfDuplexSend, SPI_HalfDuplexReceive
- Timer.c/h
  - Modify TIMER_ModeEnum, TIMER_Init
  - Delete TIMER_GetIntRawFlag
  - Add TIMER_GetIntEvtFlag
- Uart.h
  - Delete UART_WriteByte, UART_WriteWord, UART_ReadWord
  - Add UART_WriteTxFIFO, UART_ReadRxFIFO
- Wdt.h
  - Delete WDT_GetIntRawFlag
  - Add WDT_GetIntEvtFlag
- Pga.c/h
  - Modify PGA_Init,
- Retarget.c
  - Modify fgetc, fputc, _ttywrch
- System.h
  - Delete SYSTEM_GetRAMOption, SYSTEM_GetClkOption, SYSTEM_GetADCOption,
  - Add SYSTEM_GetRAMSizeOption, SYSTEM_GetClkMaxFreqOption,

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SYSTEM_GetADCResolutionOption

- Delay.c
  - Modify Delay_Us
- Example Code
  - Modify all demo

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V2.0.0/ 12-Oct-2024

1. Bug Fix

- System_spc1125.c
  - Modeif SystemInit
- adc.c
  - Modify ADC_CalculateTemperature
- Modify Startup_spc1125.s

2. Other Change

- Adc.h/adc.c
  - Rename ADC_SetSampleTime to ADC_SetChSampleTime
  - Modify ADC_SetSampleTime, ADC_Init
- Clock.h/clock.c
  - Rename CLOCK_GetPLLChargePump to CLOCK_GetPLLChargePumpCurrent
  - Modify CLOCK_ConfigurePLL, CLOCK_InitWithXO, CLOCK_InitWithRCO, CLOCK_GetModuleClk, CLOCK_InitDetection
- Comp.h/comp.c
  - Modify COMP_SetFilterWindow, COMP_Init
  - Renane COMP_SetFilterInNs to COMP_SetFilterWindowInNs
- Crc.h/crc.c
  - Modify CRC_Calculate
  - Delete CRC_Init
- Ecap.h/ecap.c
  - Rename ECAP_CntrModeOnCPUHaltEnum to ECAP_CntrModeOnCoreHaltEnum
  - Modify ECAP_InitDualCaptureMode, ECAP_InitSingleCaptureMode, ECAP_InitAPWMMode
- Gpio.c
  - Add GPIO_SetOpenDrainOutputHigh, GPIO_SetOpenDrainOutputLow
- Epwr.h
  - Modify EPWR_GetFilterThreshold, EPWR_GetFilterWindow, EPWR_GetFilterClkDiv, EPWR_GetSyncEvt
- I2c.h/i2c.c
  - Modify I2C_InitStandardSpeed, I2C_InitFastSpeed, I2C_InitHighSpeed, I2C_InitMaster, I2C_InitSlave
- Pga.h/pga,c
  - Renane PGA_D2SBufferRoutEnum to PGA_D2SBufferOutputResistanceEnum
  - Rename PGA_SetD2SBufferOutputResistanceToPin to PGA_SetD2SBufferOutputResistance
  - Rename PGA_GetD2SBufferOutputResistanceToPin to PGA_GetD2SBufferOutputResistance
  - Modify PGA_Init
- Power.h/power.c
  - Modify POWER_SetVDD12UV0Threshold, POWER_SetVDD12UV1Threshold, POWER_SetVDD12OVThreshold, POWER_SetVDD33UVThreshold, POWER_SetVDD33OVThreshold
- Pwm.h/pwm.c

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- Modify PWM_InitComplementaryPairCh, PWM_InitSingleCh

- Spc1128_hc.c
  - Modify HV_ComInit
- SPC1125.h
  - Delete M8, M16, M32, outpw, inpw, outps, inps, outpb, inpb, outp32, inp32, outp16, inp16, outp8, inp8, GET_BYTE0, GET_BYTE1, GET_BYTE2, GET_BYTE3, BITBAND, MEM_ADDR, REG_BIT, POSITION_VAL, U32DIV, CEIL_DIV, FLOOR_DIV
  - Add ASSERT_PARAM
- Spi.h/spi.c
  - Modify SPI_SCLKModeEnum, SPI_SetSCLKMode, SPI_GetSCLKMode, SPI_Init, SPI_InitSpeed
- Timer.h/timer.c
  - Modify TIMER_ModeEnum, TIMER_Init
- Uart.h/timer.c
  - Modify UART_Init
- Wdt.h/wdt.c
  - Modify WDT_Init
- Delete SPC1128.SFR
- Delete SPC1128.FLM
- Delete SPC1128.svd
- Add SPC1128.SFR
- Add SPC1128.FLM
- Add SPC1128.svd
- Examples
  - Modify all projects main.c
  - Modify all projects Config
  - Delete RTT_Printf

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V1.0.0/ 26-Aug-2024

- **Created.**

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