

**ARM® Cortex®-M0**  
**32-bit Microcontroller**

**NuMicro® Family**  
**NUC126 Series BSP**  
**Revision History**

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**Revision 3.00.008** (Released 2024-05-14)

1. Remove additional I2C Master EndFlag settings to prevent premature communication stoppage.
2. Correct I2C Wakeup Slave and EEPROM not displaying execution results.
3. Add slew rate control for SPI sample codes.
4. Add FMC\_SPROM sample code.
5. Remove USB\_D LPM function.
6. Modify Idrom function table locating.
7. Add process when s\_Event is SLAVE\_SEND\_DATA after receiving SLA+R and returned ACK in USCI\_I2C\_Slave sample code.
8. Use "volatile" with the function pointer to disable compiler optimizations in I2C/I2C sample code.
9. Add a reaction in TX/RX when encountering a NACK event after ARBLOIF has been triggered in I2C\_Master sample code.
10. Modify SYS\_PowerDown\_MinCurrent and RegBased/FMC\_IAP sample code.
11. Update USB\_D HID keyboard sample code to support LED status.

**Revision 3.00.007** (Released 2023-09-11)

1. Modified ADC\_PWMTrigger sample code print message for IAR Tiny printf formatter.
2. Modified USCI\_UART\_TxRx Function and FMC\_IAP sample code.
3. Revised startup\_NUC126.S and retarget.c to fix Hard\_Fault can't run code.
4. Modified VendorName of Nu\_DFU.inf.
5. Added SYS\_PowerDown\_MinCurrent sample code.
6. Updated SPI\_Loopback sample code.
7. Updated Windows driver of USB\_D\_Printer\_And\_HID\_Transfer sample code.
8. Modified SYS\_UnLockReg() time-out handler.
9. Fixed TX hardware FIFO size to 16 and call UART FIFO size from uart.h in USB\_D\_VCOM sample code.
10. Removed printf for PowerDown in USB\_D sample code.

**Revision 3.00.006** (Released 2022-08-17)

1. Revised printing error message for I2C sample code.
2. Fixed return in main() cause hardfault issue.
3. Revised infinite loop timeout handler.
4. Fixed USB\_D\_MassStorage\_CDROM crash on Linux.
5. Added I2C hang up and recover mechanism for I2C Master and Slave sample code.
6. Opened CESTOPEN in trim function of USB\_D sample code.
7. Updated auto trim to use SW boundary function of USB\_D sample code.
8. Enabled schmitt trigger of I2C sample code.
9. Fixed UART TX FIFO control issue in USB\_D\_VCOM sample code.

**Revision 3.00.005** (Released 2021-01-21)

1. Fixed USCI\_SPI driver issue in Library/StdDriver/src/usci\_spi.c
2. Modified to pass USB-IF CV-Chapter 9 & Class test of all USB\_D Sample code.
3. Fixed USPI\_SET\_SS\_HIGH macro in Library/StdDriver/inc/usci\_spi.h
4. Corrected adc definitions for conversion sampling time selection in Library/StdDriver/inc/adc.h
5. Added Apache-2.0 license declaration in driver source.
6. Added README.md file.
7. Added SPI\_TRIGGER\_TX\_RX\_PDMA and SPI\_DISABLE\_TX\_RX\_PDMA API.

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**Revision 3.00.004** (Released 2019-10-25)
 

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1. To support GNU GCC.
2. Add emWin supporting.
3. Improve USB driver reliability.
4. Add ISP firmware sample code.

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**Revision 3.00.003** (Released 2018-01-26)
 

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1. Added CLK\_SysTickLongDelay() function for long delay.
2. Improved baud rate calculation accuracy of UART driver.
3. Improved robust of USB sample code.

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**Revision 3.00.002** (Released 2017-05-05)
 

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1. Update multi-function pin name definitions.
2. Add single byte and multi byte write/read APIs for I2C.

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**Revision 3.00.001** (Released 2016-10-17)
 

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1. Initial Release

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