ARM® Cortex®-M0

32-bit Microcontroller

# NuMicro® Family
# NUC029xGE Series BSP
# Revision History

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## Revision 3.00.006 (Released 2026-07-07)

1. Fixed RegBased/FMC_IAP sample code VSCode project run code issue.
2. Added software disconnect and reconnect API in USBD Sample code.
3. Supported VSCode multi-toolchain projects.
4. Added a check for the STOP bit when I2C transmission is complete.
5. Sent NAK instead of 0 to fix host not going to sleep issue in USBD_HID_Mouse2 sample code.
6. Added a macro to wait for the I2C bus status to be cleared.
7. Added the macro to the sample code to avoid re-entering the interrupt before the register write is complete, which could lead to an incorrect I2C_STATUS0 value of 0xf8.
8. Fixed infinite loop.

## Revision 3.00.005 (Released 2024-07-30)

1. Corrected UI2C EEPROM/ SingleByte/ MultiBytes sample code not displaying execution results.
2. Fixed the issue causing execution failure in the USCI-I2C sample code by correcting the erroneous status return.
3. Added FMC_SPROM sample code.
4. Added slew rate control for SPI sample codes.
5. Removed USBD LPM function.
6. Used "volatile" with the function pointer to disable compiler optimizations in I2C sample code.
7. Modified RegBased/FMC_IAP sample code.
8. Modified USCI_UART_TxRxFunction sample code.
9. Updated USBD HID keyboard sample code to support LED status.
10. Added driver and sample code related to USCI_SPI PDMA function.
11. Added SYS_PowerDown_MinCurrent sample code.
12. Updated SPI_Loopback sample code.
13. Modified SYS_UnLockReg() time-out handler.
14. Called UART FIFO size from uart.h in USBD VCOM sample code.
15. Added GPIO MFP macros.

## Revision 3.00.004 (Released 2022-08-17)

1. Fixed return in main() cause hardfault issue.
2. Fixed myretarget.c for IAR 8.42.1 and later.
3. Added Blinky sample code for NuMaker board.
4. Added macros for multi-function pin in Library/StdDriver/inc/sys.h.
5. Added timeout handler for infinite loop.
6. Fixed USBD_MassStorage_CDROM crash on Linux.
7. Added I2C hang up and recover mechanism for I2C Master and Slave sample code.
8. Modified GPIO number and MFP in Library/Device/Nuvoton/NUC029xGE/Include/NUC029xGE.h.
9. Enabled schmitt trigger of I2C sample code.
10. Fixed UART TX FIFO control issue in USBD_VCOM sample code.

## Revision 3.00.003 (Released 2021-01-20)

1. Modified to pass USB-IF CV-Chapter 9 & Class test of all USBD Sample code.
2. Fixed Semihost sample code.
3. Added SPI_TRIGGER_TX_RX_PDMA and SPI_DISABLE_TX_RX_PDMA API.

4. Added Apache-2.0 license declaration in driver source.
5. Added README.md file.

## Revision 3.00.002 (Released 2019-11-12)

1. Added ISP Sample codes to bsp\SampleCode\ISP folder.
2. Supports GNU GCC.
3. Added FMCIDLE_MODULE definition in CLK driver.

## Revision 3.00.001 (Released 2018-09-21)

1. Initial Release

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