ARM® Cortex®-M0

32-bit Microcontroller

NuMicro® Family
M071Q/M071V Series BSP
Revision History

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Revision 3.00.004 (Released 2026-07-07)

1. Update ISP_SPI sample to add interrupt mask protection for ParseCmd.
2. Add a check for the STOP bit when I2C transmission is complete.
3. Support VSCode multi-toolchain projects.
4. Add a macro to wait for the I2C bus status to be cleared.
5. Add 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.
6. Fix infinite loop
7. Fix the issue causing execution failure in the USCI-I2C sample code by correcting the erroneous status return.
8. Add a note stating that I2C slave does not support GC mode for device address calling.
9. Remove additional UI2C Master EndFlag settings to prevent premature communication stoppage.
10. Add FMC_SPROM sample code.
11. Add slew rate control for SPI sample codes.

Revision 3.00.003 (Released 2024-03-07)

1. Enable LVR in SYS_PowerDown_MinCurrent sample code to prevent power on/off fail.
2. Use "volatile" with the function pointer to disable compiler optimizations in I2C/UI2C sample code.
3. Add a reaction in TX/RX when encountering a NACK event after ARBLOIF has been triggered in UI2C_Master sample code.
4. Add process when s_Event is SLAVE_SEND_DATA after receiving SLA+R and returned ACK in USCI_I2C_Slave.
5. Remove emWin and ACMP_CTL_NEGSEL_DAC.

Revision 3.00.002 (Released 2023-05-19)

1. Fix sample code build error with compiler 6.
2. Modify SYS_UnLockReg() time-out handler.
3. Call UART FIFO size from uart.h in USBD VCOM sample code.
4. Fix USBD_MassStorage_CDROM crash on Linux.
5. Fix return in main() cause hardfault issue.
6. Add timeout handler for infinite loop.
7. Add NuMicro.h header.
8. Add SYS_PowerDown_MinCurrent sample code.
9. Add SPI_TRIGGER_TX_RX_PDMA and SPI_DISABLE_TX_RX_PDMA API in SPI driver.
10. Fix SC and EBI sample codes run error.
11. Fix I2C_EEPROM, I2C_GCMode and I2C_Loopback failed in GCC and IAR.

Revision 3.00.001 (Released 2020-07-10)

1. Initial Release

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