ARM® Cortex®-M0

32-bit Microcontroller

NuMicro® Family
M071M Series BSP
Revision History

The information described in this document is the exclusive intellectual property of Nuvoton Technology Corporation and shall not be reproduced without permission from Nuvoton.

Nuvoton is providing this document only for reference purposes of NuMicro microcontroller based system design. Nuvoton assumes no responsibility for errors or omissions.

All data and specifications are subject to change without notice.

For additional information or questions, please contact: Nuvoton Technology Corporation.

www.nuvoton.com

Revision 3.00.004 (Released 2026-08-25)

1. Support VSCode multi-toolchain projects.
2. Update ISP_SPI sample to add interrupt mask protection for ParseCmd().
3. Add CLK_PLLCON setting definitions for different HXT frequency.
4. Added read/write byte related functions to the I2C driver.
5. Add UART_LIN_TxRx sample code.
6. Add 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. Added Schmitt trigger configuration for I2C pins.
9. Added description: GC mode is not supported for device address calling.
10. Revised ISP_I2C Schmitt trigger configuration.

Revision 3.00.003 (Released 2024-11-11)

1. Add timeout handler for infinite loop.
2. Enable LVR in SYS_PowerDown_MinCurrent sample code to prevent power on/off fail.
3. Fix infinite loop.

Revision 3.00.002 (Released 2023-05-19)

1. Add NuMicro.h header file.
2. Fix CAN_SetMultiRxMsg MsgCount issue in Library/StdDriver/src/can.c
3. Fix build error of FMC_IAP sample code for Linux.
4. Fix build error of sample code on Keil compiler 6.
5. Add SYS_PowerDown_MinCurrent sample code.
6. Fix I2C_EEPROM and I2C_GCMode failed in GCC.
7. Modify startup_M071M.s in IAR/ARM file.

Revision 3.00.001 (Released 2020-07-10)

1. First Release

Important Notice

Nuvoton Products are neither intended nor warranted for usage in systems or equipment, any malfunction or failure of which may cause loss of human life, bodily injury or severe property damage. Such applications are deemed, "Insecure Usage".

Insecure usage includes, but is not limited to: equipment for surgical implementation, atomic energy control instruments, airplane or spaceship instruments, the control or operation of dynamic, brake or safety systems designed for vehicular use, traffic signal instruments, all types of safety devices, and other applications intended to support or sustain life.

All Insecure Usage shall be made at customer's risk, and in the event that third parties lay claims to Nuvoton as a result of customer's Insecure Usage, customer shall indemnify the damages and liabilities thus incurred by Nuvoton.

Please note that all data and specifications are subject to change without notice.
All the trademarks of products and companies mentioned in this datasheet belong to their respective owners.