ARM® Cortex®-M23

32-bit Microcontroller

NuMicro® Family
M2354 Series BSP
Revision History

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

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Revision 3.00.004 (Released 2022-12-07)

1. Fix message buffer alignment for DMA and ECC Interrupt in CRYPTO_ECC_SM2 sample code.
2. Fix NuMaker/Audio sample code PlaySin target build error.
3. Fix ft command error in SDH_FATFS sample code.
4. Update LED pins of TrustZone sample code for NuMaker board.
5. USBD VCOM sample code: Call UART FIFO size from uart.h.
6. Add pin different descriptions and relative document.
7. Fix prng start with preload in I2C_GCMode_Slave sample code.
8. Correct the wrong comments of dac.h macro in Library/StdDriver/inc/dac.h.
9. Remove printf for PowerDown in USBD sample code.
10. Fix return in main() cause hardfault issue.
11. Update Wifi module and LED pins of SecureOTADemo sample code for NuMaker and NuMaker-IOT board.
12. Update Wifi module and LED pins of SecureOTABankRemapDemo sample code for NuMaker and NuMaker-IOT board.
13. Fix RSA driver allocates not enough memory for MADDR6 in SCAP with non-CRT mode.
14. Update ThirdParty/FreeRTOS to v10.4.6.
15. Fix SYS_SetPowerRegulator() return value type in Library/StdDriver/inc/sys.h, sys.c and uart.c.
16. Fix tag check of AES CCM sample code and add CMake.
17. Update crypto driver for SM2 and Update SM2, SM3 sample code. To support CMake.
18. Fix ECC_GenerateSecretZ_KS writing key to key store in Library/StdDriver/inc/crypto.h and crypto.c.
19. Revise infinite loop timeout handler.

Revision 3.00.003 (Released 2022-03-07)

1. Fix UART TX FIFO control issue in USBD VCOM sample code.
2. Fix debug information option of IAR compiler of TrustZone template sample code.
3. I2C pins enable schmitt trigger and add I2C hangup/recover flow in I2C and USCI_I2C sample code.
4. Update auto trim to use HW boundary function in USBD sample code.
5. Update CRYPTO_AES_GCM sample code to support DMA cascade mode and fix Tag calculation.
6. Fix display flicker issue in lcdlib.c.
7. Add timer init code in CRYPTO_ECC_Demo sample code.
8. Add XOM protect mechanism to prevent illegal region configuration in fmc.h and fmc.c.
9. Add BME680 sensor data displayed on LCD at NuMakerIoT board.
10. Update MFP configure of SDH_FATFS sample code by Numaker board.
11. Fix USBD_Mass_Storage_CDROM crash on Linux.
12. Modify USBD_HID polling interval - bInterval to 10.
13. Fix an external hub driver bug in UsbHostLib/src_core/hub.c
14. Add prebuild binary of mbedOS6 for AWS IoT Cloud connection.
15. Add WiFi, LoRa_Master/Slave sample code for NuMakerIoT board.
16. Add I/O control in SYS_DPD/SPDMode_Wakeup sample code to prevent I/O floating.
17. Add timeout handler for infinite loop.
18. Modify LCD StdDriver, LCDLib and BME680_and_LCD sample code to meet LCDView tool.

Revision 3.00.002 (Released 2020-12-10)

1. Fix data access fail issue in USBD_Mass_Storage_CDROM sample code.
2. Fix CLK_SetModuleClock function parameter description for LCDCP_MOSupport segment LCD driver, demo.
3. Revise LCD sample codes for VLCD source from internal charge pump.
4. Add emWin v5.48k.3 lib and samples.
5. Add UART and USCI(UART) deglitch function bit field definition.
6. Add Crypto AES CCM and GCM sample code.
7. Remove PCLKDIV setting to fix QSPI, SPI, SPII2S and USCI_SPI sample code.

Revision 3.00.001 (Released 2020-09-22)

1. Initial Release.

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