

**ARM[®] Cortex[®]-M0
32-bit Microcontroller****NuMicro[®] Family
M0519 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 2021-01-17)

1. Added Apache-2.0 license declaration in driver source.
2. Added README.md file.
3. Fixed build error of FMC_IAP IAR sample code.

Revision 3.00.003 (Released 2019-11-12)

1. Added ISP Sample codes to bsp\SampleCode\ISP folder.
2. Supports GNU GCC.
3. Fixed CLK_SetHCLK() bug of CLK driver.

Revision 3.00.002 (Released 2017-10-19)

1. Fixed clear Receive Line Status interrupt flag bug in UART_ClearIntFlag() of uart.c.
2. Fixed UART_SelectLINMode() clear enable bit setting bug in uart.c.
3. Fixed PLL clock source selection bug in CLK_SetCoreClock() in clk.c.
4. Fixed MFP define "SYS_MFP_P43_Msk" value.
5. Fixed MFP define "SYS_MFP_P94_Msk" value.
6. Fixed MFP define "SYS_MFP_P41_Msk" value.
7. Modified I2C name to I2C0.
8. Modified to ignore debug message when enabling semihost without NuLink connected.
9. Add new function to control systick and select systick clock source, CLK_EnableSysTick() and CLK_DisableSysTick() in clk.c.
10. Add CLK_SysTickLongDelay() for long delay in clk.h.
11. Add missing MFP definitions of P3.6, P3.7, P4.3, P8.5 and P8.6 GPIO.
12. Add constant define "CLK_CLKSEL0_STCLK_S_HCLK" in CLKSEL0 constant definitions for CLK_EnableSysTick() function to select HCLK as SysTick clock source.

Revision 3.00.001 (Released 2015-03-15)

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.*