

ARM® Cortex®-M0
32-bit Microcontroller

NuMicro® Family
M0518 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 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.
4. Fixed CLK_EnablePLL() wrong PLL default setting value of CLK driver

Revision 3.00.003 (Released 2017-10-05)

1. Fix clear Time-out flag method bug in I2C_ClearTimeoutFlag() of I²C driver.
2. Fix bug of PWM_ConfigOutputChannel() and PWM_ConfigCaptureChannel() for counter type setting error when u32ChannelNum is 1,3,5.
3. Fix bug for revised PWM_Stop() implementation
4. Fix bug for return value error of PWM_ConfigOutputChannel()
5. Add ADC_MeasureAVDD sample code
6. Add new function to control systick and select systick clock source, CLK_EnableSysTick() and CLK_DisableSysTick()
7. Add CLK_SysTickLongDelay() for long delay
8. Fix UART_SelectLINMode() clear enable bit setting bug
9. Fix PLL clock source selection bug in CLK_SetCoreClock()
10. Fix clear Receive Line Status interrupt flag bug in UART_ClearIntFlag().

Revision 3.00.002 (Released 2014-12-23)

1. Fix PWM driver bug for output low when duty is 100%
2. Fix BPWM driver bug for output low when duty is 100%
3. Fix CLK driver bug in CLK_SetCoreClock():
4. Fix CLK driver constant definitions error of (B)PWM0/1_MODULE clock source selection.
5. Fix GPIO_ENABLE_DOUT_MASK() and GPIO_DISABLE_DOUT_MASK() bug of GPIO driver.
6. Fix PWM driver bug of PWM_MASK_OUTPUT() to remove redundant parenthesis.
7. Fix BPWM driver bug of BPWM_MASK_OUTPUT() to remove redundant parenthesis
8. Fix UART driver clear flag bug in UART_ClearIntFlag()
9. Fix I2C driver module reset bug of I2C_Close().
10. Fix clear RS-485 address byte detection flag bug in UART_RS485_CLEAR_ADDR_FLAG() of UART driver.
11. Fix clear RS-485 address byte detection flag clear bug in RS485_HANDLE() of UART_RS485_Slave sample code.
12. Fix NVIC_EnableIRQ() to NVIC_DisableIRQ() after CHIP wake-up in I2C_Wakeup_Slave sample code
13. Fix UART RS485 RTS active level to high level active in RS485_9bitModeMaster() of UART RS485 Sample code.
14. Add PWM_EnableLoadMode() and PWM_DisableLoadMode() functions to PWM driver
15. Add PWM_SetBrakePinSource() function to PWM driver
16. Add CLK_GetPCLKFreq() function to CLK driver
17. Add new macro PWM_SET_DEADZONE_CLK_SRC() to PWM driver
18. Add nonblocking printf implementation and use predefine compiler option to enable/disable it.

Revision 3.00.002 (Released 2014-07-18)

1. Fixed constant definitions of Timer 2 and Timer 3 in clk.h
2. Fixed SYS_Init() GPIO initial bug of \SampleCode\StdDriver\ACMP.

Revision 3.00.001 (Released 2014-06-12)

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.*