

ARM® Cortex®-M 32-bit Microcontroller

Mini58 Series CMSIS BSP Revision History

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Revision 3.01.002 (Released 2020-10-6)

- 1. Added Apache-2.0 license declaration into driver source code.
- 2. Minor bug fix.

Revision 3.01.001 (Released 2019-11-6)

1. Added ISP related samples.

Revision 3.01.000 (Released 2018-11-14)

- 1. Added Eclipse project support.
- 2. Minor bug fix.

Revision 3.00.003 (Released 2017-03-10)

 Updated CLK_Idle() to clear CLK_PWRCON_PWR_DOWN_EN_Msk flag before entering idle mode.

Revision 3.00.002 (Released 2016-06-15)

- 1. Updated CMSIS to v4.5.0.
- Added sample codes including ADC_PWMTrigger, SPI_MasterFIFOMode and SPI_SlaveFIFOMode.
- 3. Minor bug fixes.

Revision 3.00.001 (Released 2015-06-05)

- Regenerated register and bit field definitions in Mini58Series.h based on Mini58 Technical Reference Manual Rev 1.0.
- 2. Removed FMC_ReadDID(), FMC_DisableAPUpdate(), FMC_DisableSPUpdate(), FMC_SetBootSource(), FMC_DisableConfigUpdate(), FMC_DisableLDUpdate(), FMC_EnableAPUpdate(), FMC_EnableSPUpdate(), FMC_EnableConfigUpdate(), FMC_EnableLDUpdate() functions in fmc.c.
- 3. Renamed TIMER_TOGGLE_TMXEXT to TIMER_TOGGLE_TMX_EXT in timer.h.
- 4. Updated all IAR samples to set Reset_Handler() as entry point.
- 5. Updated FMC_WriteConfig() to check input parameter in fmc.c.
- 6. Updated TIMER_Open() and TIMER_Delay() to support the time-out calculation while timer clock is faster than 0x1FFFFFF Hz in timer.c.
- 7. Updated UART_Open() and UART_SetLine_Config() to support using PLL as UART clock source in uart.c.
- 8. Updated UART_SelectIrDAMode() to support using PLL and HIRC as UART clock source in uart.c.
- 9. Updated WDT_Open() to support reset delay parameter in wdt.c.
- Updated Timer_Wakeup sample code to unlock protect register before entering Power-down mode.
- 11. Added ACMP SET FILTER() macro in acmp.h.
- 12. Added ADC_SeqModeEnable() and ADC_SeqModeTriggerSrc() functions in adc.c.
- 13. Added CLK EnableSysTick() and CLK DisableSysTick() functions in clk.c.
- 14. Added FMC GetVectorPageAddr() function in fmc.c.
- 15. Added PWM_SET_CMRD(), PWM_ENABLE_ASYMMETRIC_MODE(), and PWM_ENABLE_PCAEN() macros in pwm.h.
- Added PWM_EnableCenterInt(), PWM_DisableCenterInt(), PWM_ClearCenterIntFlag(), PWM_GetCenterIntFlag(), PWM_EnableRiseInt(), PWM_DisableRiseInt(), PWM_ClearRiseIntFlag(), and PWM_GetRiseIntFlag() function in pwm.c.
- 17. Added SPI_GET_TX_FIFO_FULL_FLAG() macro in spi.h.



- 18. Added PWM_MaskAlign sample.
- 19. Fixed ACMP_SET_NEG_SRC() and ACMP_ENABLE_RISING_EDGE_TRIGGER() implementation error in acmp.h.
- 20. Fixed I2C_GetBusClockFreq() implementation error in i2c.c.
- 21. Fixed I2C_CLEAR_WAKEUP_FLAG(), I2C_DISABLE_CLOCK_STRETCH() and I2C_ENABLE_CLOCK_STRETCH() implementation error in i2c.h.
- 22. Fixed TIMER CAPTURE RISING * definition error in timer.h.
- 23. Fixed TIMER_EnableCaptureDebounce() and TIMER_DisableCaptureDebounce() implementation error in timer.c.
- 24. Fixed PWM ENABLE OUTPUT INVERTER() implementation error in pwm.h.
- 25. Fixed PWM_GetADCTriggerFlag() and PWM_ConfigOutputChannel()implementation error in pwm.c.
- 26. Fixed SPI SET xSB FIRST() implementation error in spi.h.
- 27. Fixed UART_CLEAR_RTS(), UART_EnableFlowCtrl(), UART_ClearIntFlag() implementation error in uart.c and uart.h.

Revision 3.00.000 (Released 2015-2-27)

1. Initial release.



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