

ARM[®] Cortex[®]-M
32-bit Microcontroller

Mini58 Series CMSIS BSP
Revision History

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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)

1. 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.
2. Added sample codes including ADC_PWMTrigger, SPI_MasterFIFOmode and SPI_SlaveFIFOmode.
3. Minor bug fixes.

Revision 3.00.001 (Released 2015-06-05)

1. 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.
10. 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_CM RD(), PWM_ENABLE_ASYMMETRIC_MODE(), and PWM_ENABLE_PCAEN() macros in pwm.h.
16. 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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