

**ARM® Cortex®-M23  
32-bit Microcontroller**

**NuMicro® Family  
M2U51 Series BSP  
Revision History**

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**Revision 3.00.001 (Released 2025-11-05)**

1. Fix ISP sample code VScode GCC build fail
2. Add VSCode Quick Start Guide.pdf
3. Remove VSCode project for sample code SYS\_SPDMode\_WakeupVTOR.
4. Define HardFault\_Handler() for VSCode GCC project.
5. Remove VSCode project for sample code Semihost.
6. Merge "Fix bug about floating calculation."
7. Fix bug about floating calculation.
8. Update Template VSCode project
9. Merge "Add --specs=nosys.specs to VSCode projects"
10. Add --specs=nosys.specs to VSCode projects
11. Update GPIO driver for EINT"
12. Add -WI,--no-warn-rwx-segments to VSCode projects
13. Fix VSCode GNUC build error
14. Fix VSCode GCC build error
15. Fix: Prevent pointer addition on NULL and array out-of-bounds access
16. Modify I2C/UI2C Sample codes for VSCode Supporting
17. Remove linker file setting from VSCode Project files
18. Correct comments
19. Update the VSCode project files of FMC\_MultiBoot
20. Update IRQ setting & code for WWDT
21. Update Crypto IRQ handler definition name
22. Fix build warning & error to support GCC 14.3.1
23. Update launch.json, tasks.json, and vcpkg-configuration.json to use cortex-debug
24. Update system setting as following:
  - Set BGWKM to 1
  - Delay 100us when switch NRBGLPEL mode
25. Fixed ISP\_I2C/ISP\_SPI
26. Modify LCD sample codes to fix the bug in pin MFP settings.
27. Modify PWM driver to remove M4xx related description
28. Fix the building error for sample code ADC\_PDMA\_BPWM\_Trigger.

**Revision 3.00.000 (Released 2025-05-16)**

29. Primary release version.

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