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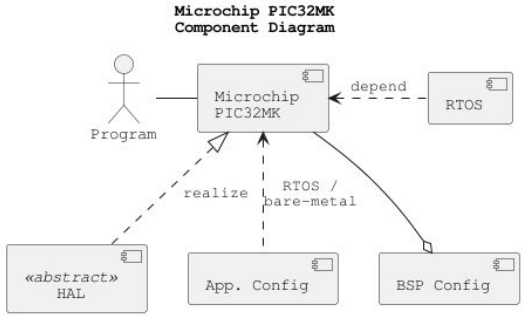
Microchip PIC32MK

The BSP development is made with a Microchip PIC32MK MCM Curiosity development board. The BSP features a CMake and GCC build system. It requires an application configuration file, which allows the user to specify the CPU clock frequency, enable or disable RTOS, and further define project-level I/O and settings.

The key features of this microcontroller include support for CAN-FD, QEI (Quadrature Encoder Interface), RTCC (Real Time Clock and Calendar), and numerous ADC and PWM channels for motor control application.

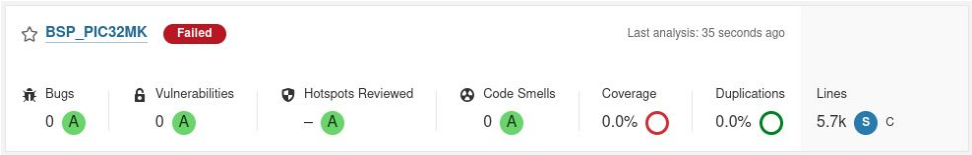
Some peripherals provide a resource lock interface for thread-safe operation, including CAN, DAC, I2C, NVM, PWM, SPI, and UART.

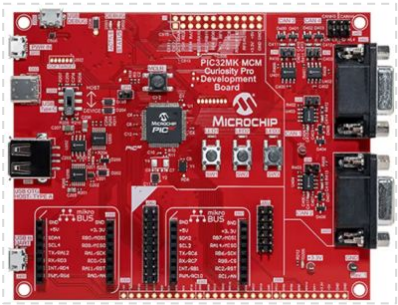
Version: v0.9.1



Available Peripherals

- ❑ ADC x42
- ❑ CAN-FD x4
- ❑ DAC x3
- ❑ GPIO x78
- ❑ I2C x4
- ❑ NVM
- ❑ PWM x12
- ❑ QEI x6
- ❑ RTCC x1
- ❑ SPI x6
- ❑ TIMER x9
- ❑ UART x6
- ❑ WATCHDOG





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