

Introduction to mikroC PRO for PIC

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The mikroC PRO for PIC is a powerful, feature-rich development tool for PIC microcontrollers. It is designed to provide the programmer with the easiest possible

PIC and C fit together well: PIC is the most popular 8-bit chip in the world, used in a wide variety of applications, and C, prized for its efficiency, is the natural c

Features

mikroC PRO for PIC allows you to quickly develop and deploy complex applications:

- Write your source code using the built-in [Code Editor](#) (Code and Parameter Assistants, Code Folding, Syntax Highlighting, Auto Correct, Code Templates, and more.)
- Use included mikroC PRO for PIC libraries to dramatically speed up the development: data acquisition, memory, displays, conversions, communication etc.
- Monitor your program structure, variables, and functions in the Code Explorer.
- Generate commented, human-readable assembly, and standard HEX compatible with all programmers.
- Use the integrated [mikroICD \(In-Circuit Debugger\)](#) Real-Time debugging tool to monitor program execution on the hardware level.
- Inspect program flow and debug executable logic with the integrated [Software Simulator](#).
- Generate COFF(Common Object File Format) file for software and hardware debugging under Microchip's MPLAB software.
- [Active Comments](#) enable you to make your comments alive and interactive.
- Get detailed reports and graphs: RAM and ROM map, code statistics, assembly listing, calling tree, and more.
- mikroC PRO for PIC provides plenty of examples to expand, develop, and use as building bricks in your projects. Copy them entirely if you deem fit – that's

Where to Start

- In case that you're a beginner in programming PIC microcontrollers, read carefully the [PIC Specifics](#) chapter. It might give you some useful pointers on PIC
- If you are experienced in C programming, you will probably want to consult [mikroC PRO for PIC Specifics](#) first. For language issues, you can always refer to
- If you are not very experienced in C programming, don't panic! mikroC PRO for PIC provides plenty of examples making it easy for you to go quickly. We su