

Fact Sheet

CODEWARRIOR™ DEVELOPMENT SYSTEM

FOR COLDFIRE™
MCF5249



OVERVIEW

CodeWarrior development systems are designed for fast set-up and installation, allowing you to be productive in minutes. This comprehensive development environment tightly integrates the Motorola M5249C3 development platform with the CodeWarrior integrated development environment (IDE). It's a complete solution that also includes example software and hardware to jump-start your product development.

The comprehensive CodeWarrior development environment for ColdFire Embedded Systems is a powerful yet easy-to-use tool suite designed specifically to increase your software development productivity. The CodeWarrior integrated development environment provides unparalleled, intuitive GUI-based development tools for the ColdFire family of microcontrollers, hosted on Windows® OS. This IDE includes an advanced compiler, assembler, debugger, linker for C, C++ and Assembly. The state-of-the-art CodeWarrior project manager and build system, code browser and code navigation system allow you to write solid code while accelerating your compile-build-debug cycles. Because the CodeWarrior development environment is tightly integrated, you'll spend less time navigating between tools and more time generating code.

WHY DEVELOP APPLICATIONS WITH CODEWARRIOR DEVELOPMENT SYSTEMS?

- **Get to Market, Fast—**Speed your time to market by creating, compiling, linking, assembling, deploying and troubleshooting within a single, integrated development environment. Use the CodeWarrior tightly-integrated tools to speed your development time or plug-in familiar third-party editors, compilers and debuggers.
- **Optimize Your Code—**Create fast, highly-optimized code in the market with our industry-leading ANSI C/C++ compilers. ELF/DWARF files are generated for execution and debugging.
- **Integrate Seamlessly—**The CodeWarrior tools open architecture allows you to plug in your favorite editor or third-party tools. Use the same IDE to create software for multiple processors and architectures — an important part of the power and flexibility of CodeWarrior tools.
- **The fast-track to software development for the M5249C3—**Within minutes you can be developing your application through a simple to use, yet sophisticated integrated development environment (IDE) based on an M5249C3 development platform.

Sturdy case for easy transport and storage

CodeWarrior Development System for ColdFire Embedded Systems, Version 3.0 (full license) and MCF5249 Supplement

P&E BDM Wiggler

Power Supply

Motorola M5249C3 board



CodeWarrior t-shirt

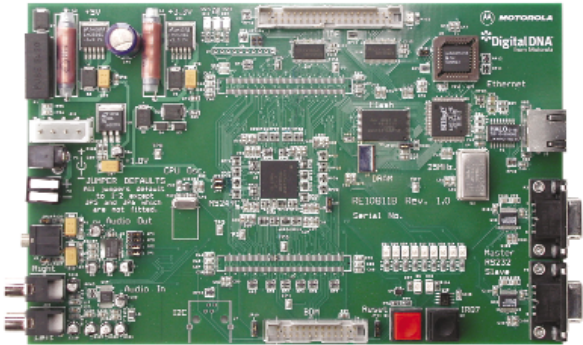
Complete documentation

Multi-use tool

MCF5249:

The MCF5249 is designed as a system controller/decoder for MP3 music players, especially portable MP3 CD players. The 32-bit ColdFire core with Enhanced Multiply Accumulate (EMAC) unit provides optimum performance and code density for the combination of control code and signal processing requiring for MP3 decode, file management, and system control.

The MCF5249 is also an excellent general purpose system controller with over 125 Dhrystone 2.1 MIPS @ 140 MHz performance for a very competitive price. The integrated peripherals and EMAC allow the MCF5249 to replace both the microcontroller and the DSP in certain applications. Most peripheral pins can also be remapped as General Purpose I/O pins.



EXAMPLE HARDWARE AND SOFTWARE

Need to understand how to design the M5249C3 into your actual system? Full schematics for the development board can be found in the user manual for the board. Additional help in the form of application notes for specific hardware design issues can be found on the Motorola support site for the M5249C3.

Visit www.mot.com/coldfire

- Source code and example code
- User manuals for device and evaluation board
- Programmers reference manual

Visit www.meterowerks.com/embedded/coldfire

- CodeWarrior tutorial for ColdFire
- Frequently Asked Questions
- Technical white papers
- Software updates
- Datasheets and news

METROWERKS SUPPORT POLICY

- Online help and documentation
- Free 90-day New User Installation Support
- Version update and support packages available
- Updated device drivers available on the web

MINIMUM SYSTEM REQUIREMENTS

- Pentium® II processor or AMD-K6® class processor
- Hosted on Windows® 98/2000/NT/Me
- 64 MB RAM, 128 MB recommended
- 195 MB hard disk space
- Parallel port
- CD-ROM drive for installation

MOTOROLA PART NUMBER

- CWDEVSYS5249 MCF5249 Development System
- CWDS68KCFSPPT Technical Support

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