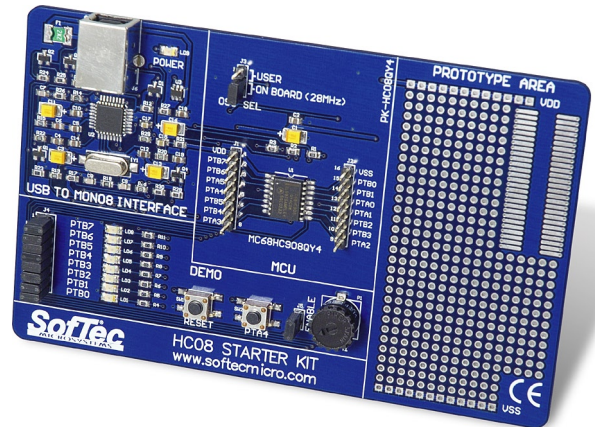


# PK-HC08QY4

## Starter Kit for Freescale MC68HC908QY4



The PK-HC08QY4 Starter Kit is an entry level tool which allows you to get started with the Freescale MC68HC08 family of low-cost, high-performance microcontrollers. The PK-HC08QY4 Starter Kit has been designed for the evaluation of the MC68HC908QY4 microcontroller and the debugging of small user applications. The PK-HC08QY4 Starter Kit takes advantage of the Metrowerks' CodeWarrior Integrated Development Environment (which groups an Editor, Assembler, C Compiler and Debugger) and the Freescale's MON08 interface, which allows the download of the user application into the microcontroller FLASH memory.

Together with CodeWarrior, PK-HC08QY4 provides you with everything you need to write, compile, download, in-circuit emulate and debug user code. Full-speed program execution allows you to perform hardware and software testing in real time. PK-HC08QY4 is connected to the host PC through a USB port. A prototyping area allows you to wire your own small application.

PK-HC08QY4 offers you the following benefits:

- Real-time code execution;
- In-circuit debugging;
- In-system programming and debugging through a MON08-compatible interface;
- Demo area with push-buttons, potentiometer and user LEDs;
- Prototyping area;
- Metrowerks CodeWarrior IDE (the same user interface of all Freescale tools), with editor, assembler, C compiler and debugger.

The HC08's integrated MON08 interface allows you to update the content of FLASH program memory when the chip is already plugged on the application board. PK-HC08QY4 features a USB-to-MON08 circuitry which allows the host PC to communicate to the microcontroller through a standard USB cable.



### MC68HC908QY4 Overview

The main features of the MC68HC908QY4 microcontroller are:

- High-performance M68HC08 CPU core;
- 4096 bytes of FLASH memory;
- 128 bytes of RAM;
- 8 MHz internal bus operation at 5 V, 4 MHz at 3 V;
- 3.2 MHz internal oscillator;
- 4-channel, 8-bit analog-to-digital converter (ADC);
- 2-channel, 16-bit timer interface module (TIM).

### Starter Kit Package Contents

The PK-HC08QY4 package includes the following items:

- PK-HC08QY4 evaluation board;
- A USB cable;
- Metrowerks CodeWarrior HC(S)08 CD-ROM;
- SofTec Microsystems PK-HC08QY4 "System Software" CD-ROM;
- "QuickStart Tutorial" color poster;
- Printed user's manual.

### Order Code

PK-HC08QY4, \$99

**More information and online  
ordering at [www.softecmicro.com](http://www.softecmicro.com)**

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