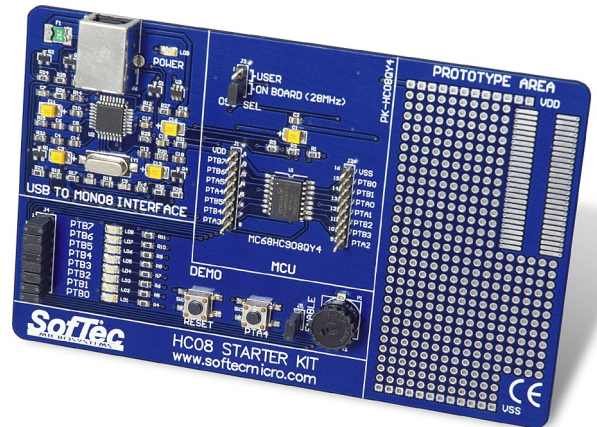# PK-HC08QY4

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.

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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

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