

# CEIBO

## *inDART-HC08/JK*

### **Design Kit for Motorola MC68HC908JK (USB)**



- Real-Time Code Execution & In-Circuit Debugging
- Built-In FLASH Programmer
- In-System Programming and Debugging through a MON08-Compatible Interface
- Metrowerks CodeWarrior IDE, with Editor, Assembler, C Compiler and Debugger
- USB Connection to the Host PC
- Includes inDART-HC08/D + Evaluation Board with a Sample MC68HC908JK Microcontroller

### **Specifications:**

inDART-HC08/JK is a powerful entry-level Design Kit for Motorola HC08-based systems. It includes an ISP debugger/programmer and an evaluation board. inDART-HC08/JK takes advantage of the Metrowerks CodeWarrior Integrated Development Environment (which groups an Editor, Assembler, C Compiler and Debugger) and the Motorola's MON08 interface, which allows the download of the user application into the microcontroller FLASH memory. Together with CodeWarrior, inDART-HC08/JK 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. inDART-HC08/JK is connected to (and powered by) the host PC through a USB connection.

#### **Evaluation Board**

inDART-HC08/JK includes a full-featured evaluation board specific for MC68HC908JK microcontrollers (a DIP20 ZIF socket is provided). The evaluation board includes jumpers, LEDs, push-buttons, a potentiometer, prototyping area and a standard MON08 connector and can be used for evaluation/experiments in the absence of a target application board.

#### **Programming Capabilities**

Built-In Programming FLASH Programmer; DataBlaze Programming Utility Included

The ISP feature allows you to update the content of the FLASH program memory when the chip is already plugged on the application board. The ISP feature can be implemented with a minimum number of added components and board area impact. inDART-HC08 uses a standard, 16-pin ISP connector (MON08-compatible) to program the target device.

#### **CodeWarrior IDE**

Editor; Assembler; C Compiler (4-KB Limited); Linker; Source Level and Symbolic Debugger; Windows 98/Me/2000/XP Compatible

The CodeWarrior Development Studio for Motorola HC08 Microcontrollers enables you to build and deploy HC08 systems quickly and easily. This tool suite provides the capabilities required

by every engineer in the development cycle, from board bring-up to firmware development to final application development. With a common, project-based, development environment reuse becomes a natural by-product as each team builds on the work already completed by the previous team. CodeWarrior Development Studio for HC08 Microcontrollers, Special Edition, includes the CodeWarrior integrated development environment (IDE); 4 KB code-size limited C compiler and C source-level debugger; macro assembler and Assembly-level debugger and FLASH programming support.

**Debugging Capabilities**

Reset, Start, Stop, Single Step, Step Over, Step Out; One Hardware Breakpoint

**Communication**

USB Connection to the Host PC, MON08 Connection to the Target Board

**Power Supply**

Provided by the USB Bus, No External Power Supply Needed

**Supported Devices:**

MC68HC908JK1

MC68HC908JK3

MC68HC908JK8