



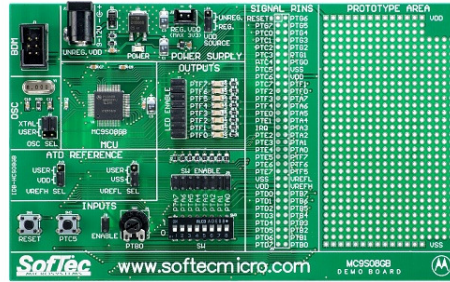
inDART-HCS08/GB60 Design Kit for Freescale MC9S08GB60 (USB)

- ❖ Real-Time Code Execution & In-Circuit Debugging
- ❖ Built-In FLASH Programmer
- ❖ In-System Programming and Debugging through a BDM-Compatible Interface
- ❖ Metrowerks CodeWarrior IDE, with Editor, Assembler, C Compiler and Debugger
- ❖ USB Connection to the Host PC
- ❖ Includes inDART-HCS08/D + Evaluation Board with a Sample MC9S08GB60 Microcontroller (QFP64 Package)



Overview

inDART-HCS08/GB60 is a powerful entry-level Design Kit for Freescale HCS08-based systems. It includes an in-circuit debugger/programmer and a derivative-specific evaluation board. inDART-HCS08/GB60 takes advantage of Metrowerks CodeWarrior HC(S)08 Integrated Development Environment and the BDC (Background Debug Controller) feature to debug the user program. Together with CodeWarrior HC(S)08, inDART-HCS08/GB60 provides you with everything you need to compile, download (program), in-circuit emulate and debug user code. Full speed program execution allows you to perform hardware and software testing in real time. inDART-HCS08/GB60 is connected to (and powered by) the host PC through a USB port, while the 6-pin BDM connector of the product fits into the target's standard BDM connector.



Evaluation Board

inDART-HCS08/GB60 includes a full-featured evaluation board specific for MC9S08GB microcontrollers (a MC9S08GB60 device in QFP64 package is included). The evaluation board includes DIP-switches, jumpers, LEDs, push-buttons, a potentiometer, prototyping area and a standard BDM connector and can be used for evaluation/experiments in the absence of a target application board.

Design Kit Advantages

The evaluation boards included in the various Design Kit packages feature a specific microcontroller with the addition of a ready-to-use BDM interface. Just plug the inDART BDM cable into the evaluation board's BDM connector, load the provided sample application into the provided Metrowerks CodeWarrior user interface and you're ready to work. It's an hassle-free way of immediately working with your target device. Of course, the inDART-HCS08 in-circuit debugger included in the Design Kit packages is the same unit included in all other packages--it still supports ALL of the devices of the HCS08 FLASH family.

Supported Devices

MC9S08GB32
MC9S08GB60
MC9S08GT16
MC9S08GT32
MC9S08GT60

At a Glance

CodeWarrior IDE

Editor; Assembler; C Compiler (16-KB Limited); Linker; Source Level and Symbolic Debugger; Windows 98/2000/XP Compatible

Debugging Capabilities

Reset, Start, Stop, Single Step, Step Over, Step Out; Hardware Breakpoints; Trace; Full Handling of Target's On-Chip Debug Peripheral; Real-Time Refresh of RAM, Variables and Peripherals

Programming Capabilities

Built-In Programming FLASH Programmer; DataBlaze Programming Utility Included; Automatic Trimming Calibration

Communication

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

Power Supply

Provided by the USB Bus, No External Power Supply Needed