

CEIBO

inDART-HCS12/D

In-Circuit, Real-Time Debugger/Programmer for Motorola HCS12 Family (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

Specifications:

inDART-HCS12/D is a powerful entry-level tool for Motorola HCS12-based systems. inDART-HCS12/D takes advantage of Metrowerks CodeWarrior HC(S)12 Integrated Development Environment and the BDM (Background Debug Module) feature to debug the user program. Together with CodeWarrior HC(S)12, inDART-HCS12/D 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-HCS12/D is connected to the host PC through a USB port, while the 6-pin BDM connector of the product

Background Debug Module (BDM)

All MCUs in the HCS12 family contain a single-wire background debug interface which supports in-circuit programming of on-chip non-volatile memory and sophisticated non-intrusive debug capabilities. This system does not interfere with normal application resources. It does not use any user memory or locations in the memory map and does not share any on-chip peripherals. The background debug module (BDM) uses a single-wire communication interface to allow non-intrusive access to target system memory and registers. inDART-HCS12 uses the standard, 6-pin BDM connector defined by Motorola to program and debug the target device. An additional 'Enhanced BDM' connector features additional (optional) signals (MODA, MODB, ECLK, VSS) to extend the standard debugging capabilities.

CodeWarrior Integrated Development Environment

inDART-HCS12 series tools come with (and are seamlessly integrated into) a free version of CodeWarrior Development Studio for HC(S)12 Microcontrollers, Special Edition. The CodeWarrior Development Studio for Motorola HC(S)12 Microcontrollers enables you to build and deploy HCS12 systems quickly and easily. CodeWarrior Development Studio for HC(S)12 Microcontrollers, Special Edition, includes the CodeWarrior integrated development environment (IDE); 12 KB code-size limited C compiler and C source-level debugger; macro assembler and Assembly-level debugger. The Special Edition allows you to evaluate CodeWarrior Development Studio for HC(S)12 Microcontrollers at no cost.

Supported Devices

MC9S12A128B
MC9S12A256B
MC9S12A32
MC9S12A512
MC9S12A64
MC9S12B128
MC9S12C128
MC9S12C32
MC9S12C64
MC9S12C96
MC9S12D32
MC9S12D64
MC9S12DB128A
MC9S12DB128B
MC9S12DG128B
MC9S12DG256B
MC9S12DJ128B
MC9S12DJ256B
MC9S12DJ64
MC9S12DP256B
MC9S12DP512
MC9S12DT128B
MC9S12DT256B
MC9S12E128
MC9S12E256
MC9S12E64
MC9S12H128
MC9S12H256