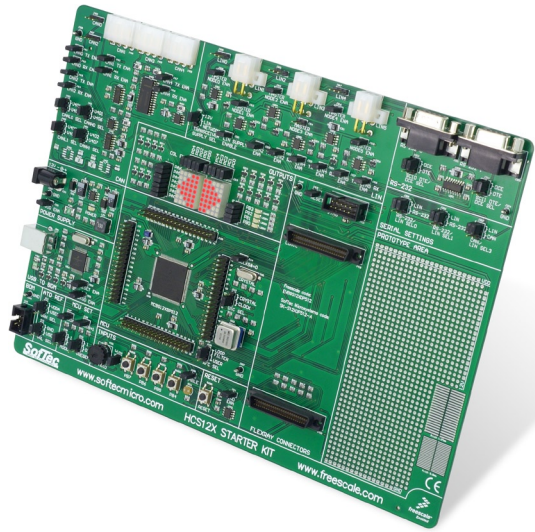


# SK-S12XDP512-A

## Starter Kit for Freescale MC9S12XDP512



The SK-S12XDP512-A Starter Kit is a full-featured, ready-to-use evaluation board for the MC9S12XDP512 microcontroller. The MC9S12XDP512 is a member of the new Freescale HCS12X MCU family. The SK-S12XDP512-A Starter Kit has been designed for the evaluation of the MC9S12XDP512 microcontroller and the debugging of user applications. The Starter Kit takes advantage of the CodeWarrior Development Studio Special Edition (which groups an Editor, Assembler, C Compiler and Debugger) and the Freescale BDM interface, which allows the download and debug of the user application into the microcontroller's FLASH memory. Together with CodeWarrior, the Starter Kit 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. The Starter Kit is connected to the host PC through a USB port. A prototyping area allows you to wire your own small application. The SK-S12XDP512-A Starter Kit offers you the following benefits:

- Real-time code execution;
- In-circuit debugging;
- In-system programming and debugging through a BDM-compatible interface;
- Demo area with four push-buttons, a potentiometer, a photo sensor, four user LEDs, two RS-232 ports and two dot matrix displays.
- CAN area with five CAN connectors and five CAN transceivers;
- LIN area with six LIN connectors and six LIN transceivers;
- Two connectors for FlexRay expansion;
- Prototyping area;
- CodeWarrior Development Studio Special Edition (the same user interface of all Freescale tools), with editor, assembler, C compiler and debugger.

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### Starter Kit Features

- 144-Pin LQFP MC9S12XDP512 Microcontroller;
- Selectable 16 MHz Oscillator Module (Socketed) or 4 MHz Crystal;
- Built-In USB to BDM Interface for In-Circuit Debugging;
- BDM Connector for External In-Circuit Debugging;
- Header Connectors with All Microcontroller Signals;
- Five CAN Connectors with Transceivers;
- Six LIN Connectors with Transceivers;
- Two RS-232 Connectors with Transceivers;
- FlexRay Expansion Connectors;
- Two 7x5 Dot-Matrix Displays;
- Four User LEDs;
- Potentiometer for Analog Input;
- Light Sensor;
- Four Push-Buttons;
- Reset Supervisor Circuitry with Push-Button;
- Prototyping Area.

### Starter Kit Package Contents

The SK-S12XDP512-A package includes the following items:

- SK-S12XDP512-A evaluation board;
- A USB cable;
- A power adapter;
- Metrowerks CodeWarrior Development Studio Special Edition CD-ROM;
- SofTec Microsystems SK-S12XDP512-A "System Software" CD-ROM;
- "QuickStart Tutorial" color poster;
- Printed user's manual.

### Order Code

SK-S12XDP512-A, \$395

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