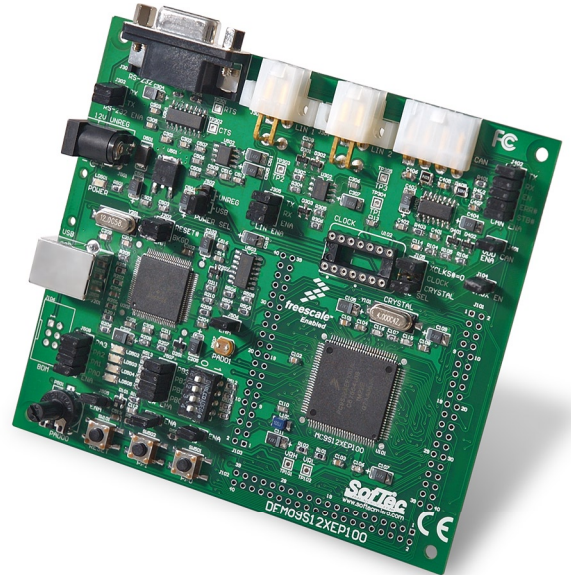


# DEMO9S12XEP100

## Demo Board for Freescale MC9S12XEP100



The DEMO9S12XEP100 Demo Board is a full-featured, ready-to-use evaluation system for the MC9S12XEP100 microcontroller. The MC9S12XEP100 is a member of the new Freescale HCS12X MCU family. The DEMO9S12XEP100 Demo Board has been designed for the evaluation of the MC9S12XEP100 microcontroller and the debugging of user applications. The Demo Board takes advantage of the CodeWarrior™ Development Studio Special Edition (which groups an Editor, Assembler, C Compiler and Debugger) and the Freescale BDM interface, that allows the download and debug of the user application into the microcontroller's FLASH memory.

Together with CodeWarrior™, the Demo Board 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 Demo Board is connected to the host PC through a USB port.

The DEMO9S12XEP100 Demo Board offers you the following benefits:

- MC9S12XEP100 MCU working at 5.0 V;
- Real-time code execution;
- In-circuit debugging;
- In-system programming and debugging through a BDM-compatible interface;
- Two push-buttons, a potentiometer, a photo sensor, four user LEDs and four DIP-switches;
- One CAN connector with one CAN transceiver;
- Two LIN connectors with one LIN transceiver;
- One RS-232 port with one RS-232 transceiver;
- CodeWarrior™ Development Studio Special Edition (the same user interface of all Freescale tools), with editor, assembler, C compiler and debugger.



### Demo Board Features

- 112-Pin LQFP MC9S12XEP100 Microcontroller;
- Selectable 4 MHz Crystal and a provision for an Oscillator Module (Socketed);
- Built-In USB to BDM Interface for In-Circuit Debugging;
- Provision for a BDM Connector for External In-Circuit Debugging;
- Header Connectors with All Microcontroller Signals;
- One CAN Connector with Transceiver;
- Two LIN Connectors with one Transceiver;
- One RS-232 Connector with Transceiver;
- Four User LEDs;
- Four DIP-Switches;
- Potentiometer for Analog Input;
- Light Sensor;
- Two Push-Buttons;
- Reset Push-Button;

### Package Contents

The DEMO9S12XEP100 package includes the following items:

- DEMO9S12XEP100 Demo Board;
- A USB cable;
- A LIN cable;
- CodeWarrior™ Development Studio Special Edition CD-ROM;
- SofTec Microsystems "System Software" CD-ROM;
- "Quick Start Guide" sheet;
- Printed user's manual.

### Order Code

DEMO9S12XEP100

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