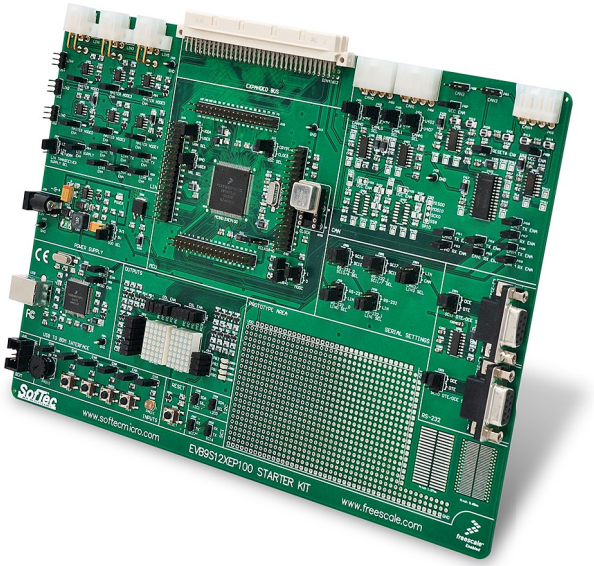
EVB9S12XEP100

Evaluation Board for Freescale MC9S12XEP100



The EVB9S12XEP100 Evaluation Board is a full-featured, ready-to-use evaluation board for the MC9S12XEP100 microcontroller. The MC9S12XEP100 is a member of the new Freescale HCS12X MCU family. The EVB9S12XEP100 Evaluation Board has been designed for the evaluation of the MC9S12XEP100 microcontroller and the debugging of user applications. The Evaluation 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 Evaluation 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 Evaluation Board is connected to the host PC through a USB port. A prototyping area allows you to wire your own small application.

The EVB9S12XEP100 Evaluation Board offers you the following benefits:

- MC9S12XEP100 MCU working at 3.3 V or 5.0 V (selectable);
- 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;
- Expanded bus connector;
- 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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Evaluation Board Features

- *144-Pin LQFP MC9S12XEP100 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;*
- *Expanded Bus Connector (DIN41612 Female);*
- *Two 7x5 Dot-Matrix Displays;*
- *Four User LEDs;*
- *Potentiometer for Analog Input;*
- *Light Sensor;*
- *Four Push-Buttons;*
- *Reset Push-Button;*
- *Prototype Area.*

Package Contents

The EVB9S12XEP100 package includes the following items:

- *EVB9S12XEP100 evaluation board;*
- *A USB cable;*
- *A power adapter;*
- *CodeWarrior™ Development Studio Special Edition CD-ROM;*
- *SofTec Microsystems EVB9S12XEP100 "System Software" CD-ROM;*
- *"Quick Start Guide" sheet;*
- *Printed user's manual.*

Order Code

EVB9S12XEP100

More information and online ordering at www.freescale.com

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