

Freescale > 16-bit Microcontrollers > S12 and S12X Automotive > DEMO9S12PFAME

DEMO9S12PFAME: Demonstration Board for MC9S12P

Overview

Documentation

Downloads

Buy / Specifications

Training & Support

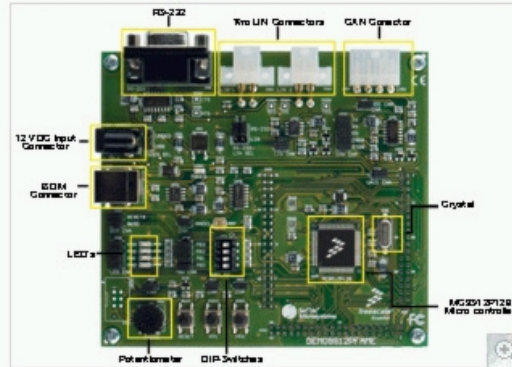
Buy

The DEMO9S12PFAME Demo Board is a full-featured, ready to use evaluation system for the MC9S12P128 microcontroller. DEMO9S12PFAME takes advantage of CodeWarrior™ (which groups an editor, assembler, c compiler and debugger) and Freescale USB-BDM interface, that allows the download and debug of the user application in the microcontroller's FLASH memory.

Write Code, Download, Evaluate. Yes, that simple!

Features

- A MC9S12P128 microcontroller (in 80-Pin QFP package, already programmed with a demo application)
- A 4 MHz crystal.
- A 12 V DC power supply input connector.
- Power input selection jumper for selecting the input voltage source:
 - 12 V DC input connector
 - USB connector.
- A built-in USB-to-BDM circuitry which allows the host PC to communicate with the microcontroller through a standard USB interface. USB 2.0 is fully supported. When using an external in-circuit debugger (via the "BDM" connector), the USB-to-BDM circuitry must be bypassed by removing the BKGD and RESET jumpers.
- A Reset push-button connected to the MCU Reset pin.
- A series of inputs:
 - Two push-buttons, together with jumpers to connect/disconnect them to/from the microcontroller.
 - Four DIP-switches, together with jumpers to connect/disconnect them to/from the microcontroller.
 - A potentiometer, together with a jumper to connect/disconnect it to/from the microcontroller.
 - A photocell, together with a jumper to connect/disconnect it to/from the microcontroller.
- Four high-efficiency (low-current) LEDs together with jumpers to connect/disconnect them to/from the microcontroller.
- An RS-232 channel connected to the microcontroller's SCI serial communication interface, together with a jumper to select the RS-232 or LIN functionality (see point below)
- Two LIN connectors sharing one LIN transceiver, together with jumpers for configuration
- One CAN connector with high-speed CAN transceiver, together with jumpers for configuration



Supported Devices

S12P: 16-Bit Microcontroller



Featured Documentation

- [DEMO9S12PFAMEUM: DEMO9S12PFAME User's Manual](#)
- [DEMO9S12PFAMEQSG: DEMO9S12PFAME Quick Start Guide](#)

Current Updates & Releases

[DEMO9S12PFAME_SCH: DEMO9S12PFAME Schematic and bill of material](#)