

DEMO908JL16: MC908JL16 Demonstration Board ☆

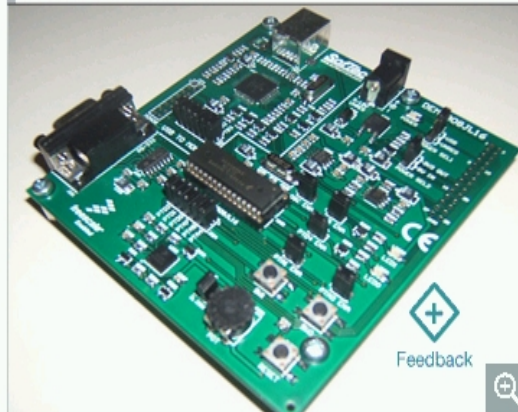
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The DEMO908JL16 is an evaluation or demonstration board for the MC908JL16 microcontroller. Development of application code is quick and easy with the integrated USB-to-MON08 interface, CodeWarrior Development Studio, and software examples. A I/O connector allows connecting the DEMO908JL16 board to an expanded evaluation environment.

Features

- An MCU section containing
 - An MC68HC908JL16 microcontroller (in 32-pin SDIP package, already programmed with a demo application –in addition, you can also use any other pin-to-pin-compatible device)
 - One clock sources: a 9.8304 MHz crystal, selectable via the "OSC ENA" jumper.
- A power supply section containing
 - A 12 V DC Power Supply Input Connector
 - Power input selection jumpers for selecting the input voltage input source
 - 12 V DC input connector
 - USB connector
 - I/O header connector
- A built-in "USB TO MON08" section 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 "MON08" connector), the "USB TO MON08" circuitry must be bypassed by removing all of the J402 jumper
- A Reset section containing a Reset push-button connected to the MCU Reset pin
- An input section containing
 - Two push-buttons together with jumpers to connect/disconnect them to/from the PTA0 and PTA1 pins of the microcontroller
 - A potentiometer, together with a jumper to connect/disconnect it to/from the PTD3/ADC8 pin of the microcontroller
- An output section containing two high-efficiency (low-current) LEDs together with two jumpers to connect/disconnect them to/from the PTD4 and PTD5 pins of the microcontroller.
- An RS-232 section providing one RS-232 channel connected to the microcontroller's SCI serial communication interface. The microcontroller's PTD6/TxD and PTD7/RxD lines are used by the RS-232 channel.
- An accelerometer section featuring a Freescale MMA7260Q sensor. All of the sensor's input/output lines are connected to the microcontroller via jumpers.

DEMO908JL16: Product Image


[Feedback](#)

Supported Devices

HC08JK-JL: 8-bit General Purpose JK and JL MCUs

Featured Documentation

[DEMO908JL16QSG: Quick Start Guide](#)
[DEMO908JL16UM: User's Manual](#)

Current Updates and Releases

[DEMO908JL16EX: DEMO908JL16 Software Code Examples](#)
[DEMO908JL16SCH: sk-s12xdp512-a_schematic.pdf](#)

Kit Contains

- Installation Guide
- Demonstration Board
- CodeWarrior™ Software
- Adapter cable
- Resource CD-ROM