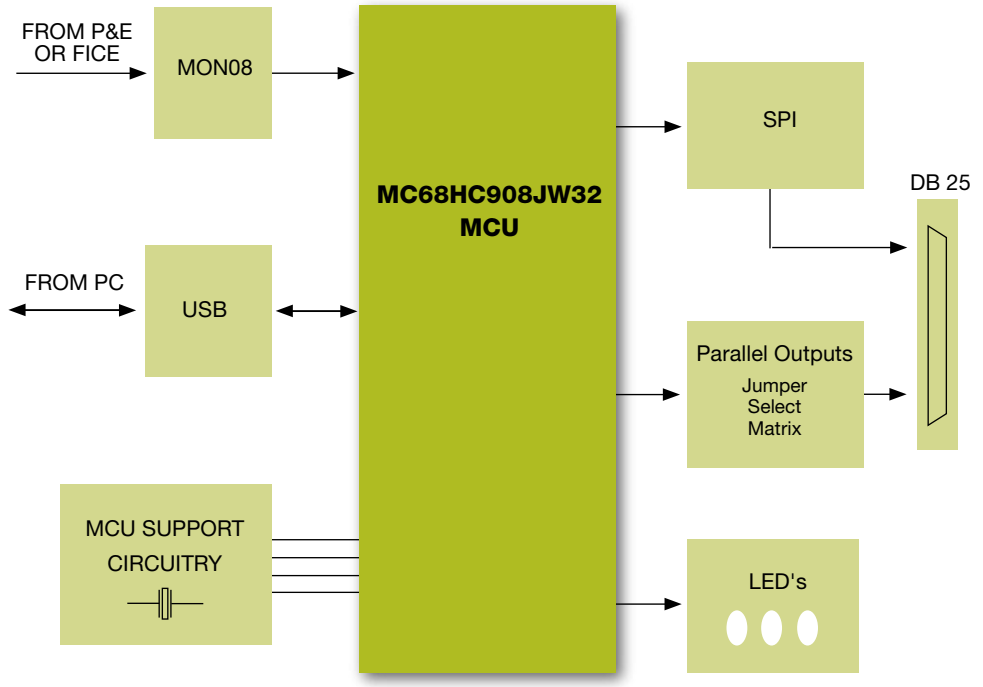
USB to SPI Interface Board
Featuring the MC68HC908JW32

Overview

Communications through the USB port have become a standard feature on almost every new personal computer. The USB to SPI interface evaluation boards are working hardware/software examples that allow a user to become familiar with the MC68HC908JW32. Freescale's MC68HC908JW32 is a USB 2.0 full speed 8-bit microcontroller unit (MCU). This evaluation board contains a USB to SPI and USB to parallel converter to provide a standardized serial computer interface that allows simplified attachment of peripherals. The main function provided by this demo board is to allow a PC that may not have a parallel port, to communicate with other Freescale evaluation boards, via a USB port. This kit makes use of the MC68HC908JW32's built-in USB, SPI and parallel ports. The board supports programming of the MC68HC908JW32 through a MON08 connector/port.

USB to SPI Interface Block Diagram



Applications

- Engineering development for the MC68HC908JW32 as well as SPI-based analog products
- Diagnostics and testing
- Device evaluation

Features

- USB to SPI converter
- USB to parallel converter
- Reprogramming capability for the MC68HC908JW32, through the MON08 port.
- Uses Freescale's PC based SPIGen software
- MC68HC908JW32 MCU is available with a variety of memory sizes and types, modules and package types

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Evaluation Kit Contents:

- Assembled and tested evaluation board in anti-static bag
- USB A to USB B cable
- CD-ROM containing:
  - Instructions
  - EVB setup diagram
  - Schematic drawing
  - Assembly drawing
  - PCB—top copper
  - PCB—bottom copper
  - Bill of materials
  - SPIGen 5.0.1 installation program (setup.exe)
  - Object code for programming MC68HC908JW32

Freescale Semiconductor is a leading provider for over 25 years of high-performance products that use SMARTMOS™ technology that combines digital, power and standard analog functions. The company supplies analog and power management ICs for the automotive, consumer, networking and industrial markets. Freescale's analog and power ICs complement our broad portfolio of microcontrollers, microprocessors, ZigBee® technology, digital signal processors, sensors, development tools and support to offer system solutions to customers.

Development Tools

Part Number	Description	Pricing
KITUSBSPIEVME	USB to SPI Interface board featuring the MC68HC908JW32 MCU	$88.50
KITUSBSPIDGLEVME	USB to SPI Interface board featuring the MC68HC908JW32 MCU configured as a USB dongle	$50.00

KITUSBSPIEVME

KITUSBSPIDGLEVME

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