16-Bit Automotive Microcontroller

68HC912B32

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The MC68HC912B32 microcontroller unit (MCU) is a 16-bit device composed of standard on-chip peripherals including a 16-bit central processing unit (CPU12), 32-Kbyte flash EEPROM, 1-Kbyte RAM, 768-byte EEPROM, an asynchronous serial communications interface (SCI), a serial peripheral inter-face (SPI), an 8-channel timer and 16-bit pulse accumulator, a 10-bit analog-to-digital converter (ADC), a four-channel pulse-width modulator (PWM), and a J1850-compatible byte data link communications module (BDLC). The chip is the first 16-bit microcontroller to include both byte-erasable EEPROM and flash EEPROM on the same device. System resource mapping, clock generation, interrupt control and bus interfacing are managed by the Lite integration module (LIM). The MC68HC912B32 has full 16-bit data paths throughout, however, the multiplexed external bus can operate in an 8-bit narrow mode so single 8-bit wide memory can be interfaced for lower cost systems.

Washer Machines Microcontrollers for M68HC05 Family Block Diagram Block Diagram
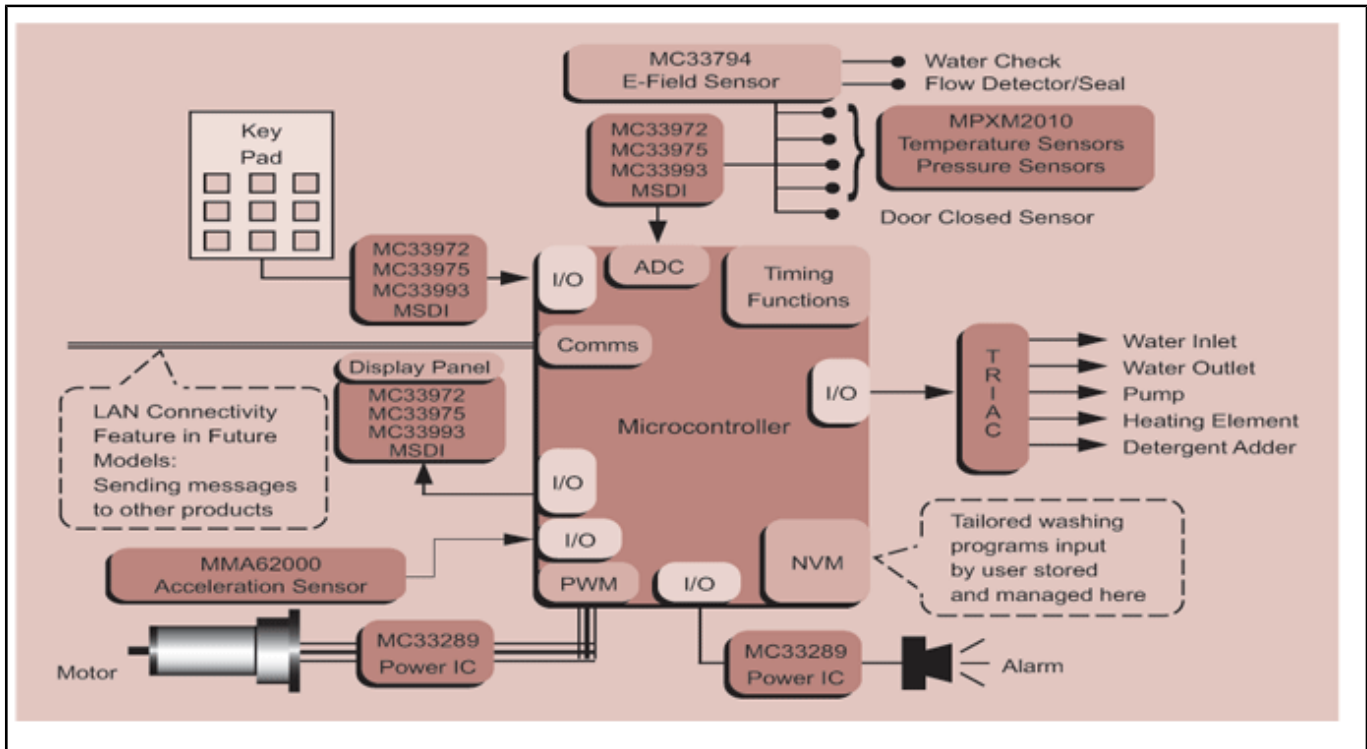
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Note: The information on this document is subject to change without notice.