



# S12E Automotive and Industrial Microcontrollers (MCUs)

## S12E

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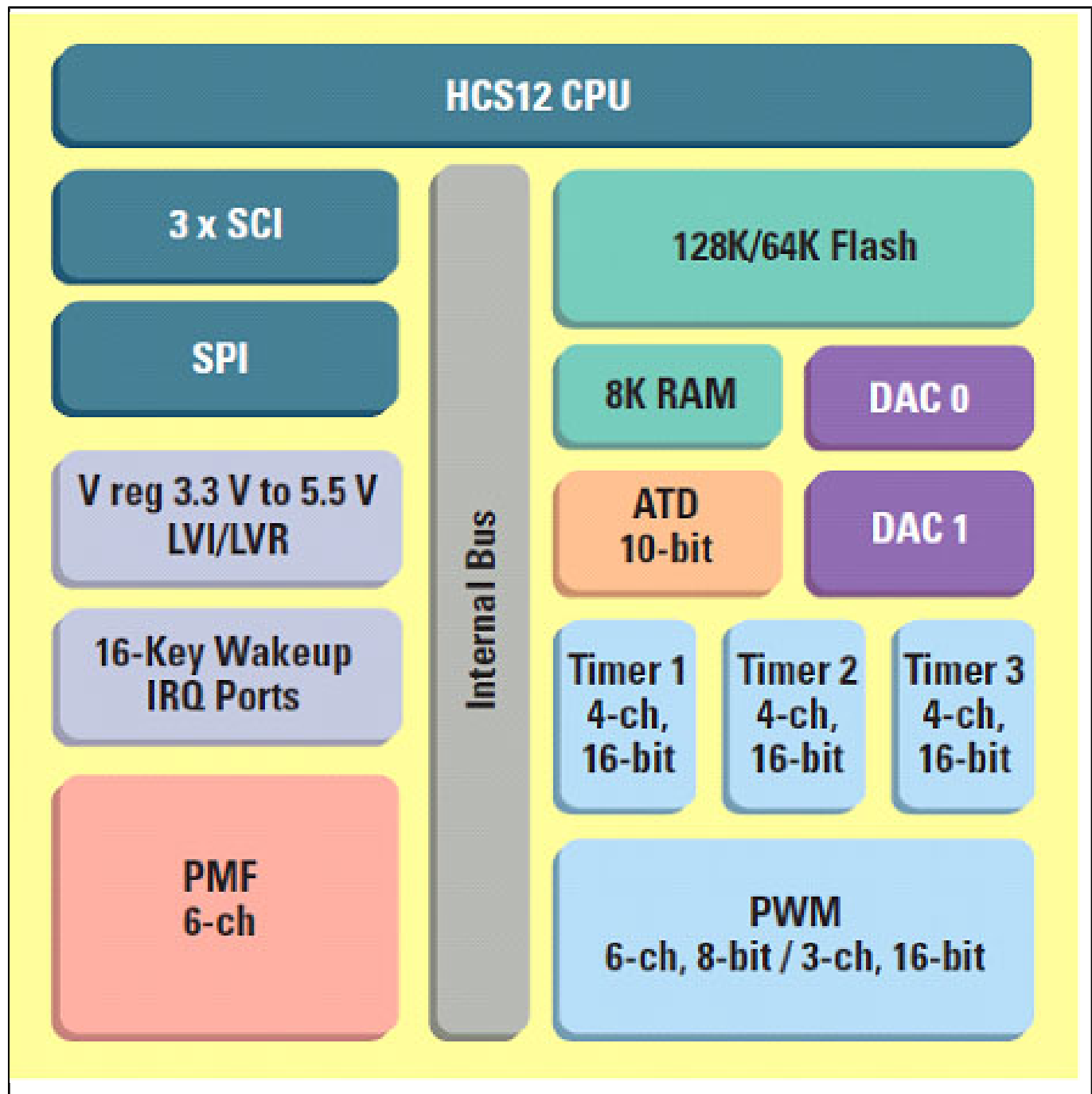
The MC9S12E is a 112/80-pin, cost-effective, general-purpose MCU family, using the important on-chip features needed for your automotive designs.

The MC9S12E has full 16-bit data paths throughout.

The inclusion of a phase-lock loop (PLL) circuit allows power consumption and performance to be adjusted to suit operational requirements.

An on-chip bandgap-based voltage regulator (Vreg) generates the internal digital supply voltage of 2.5 V (VDD) from a 3.15–5.5 V external supply range.

## S12E Microcontroller Block Diagram Block Diagram



View additional information for [S12E Automotive and Industrial Microcontrollers \(MCUs\)](#).

**Note:** The information on this document is subject to change without notice.

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