



S12E Automotive and Industrial Microcontrollers (MCUs)

S12E

Last Updated: Mar 24, 2023

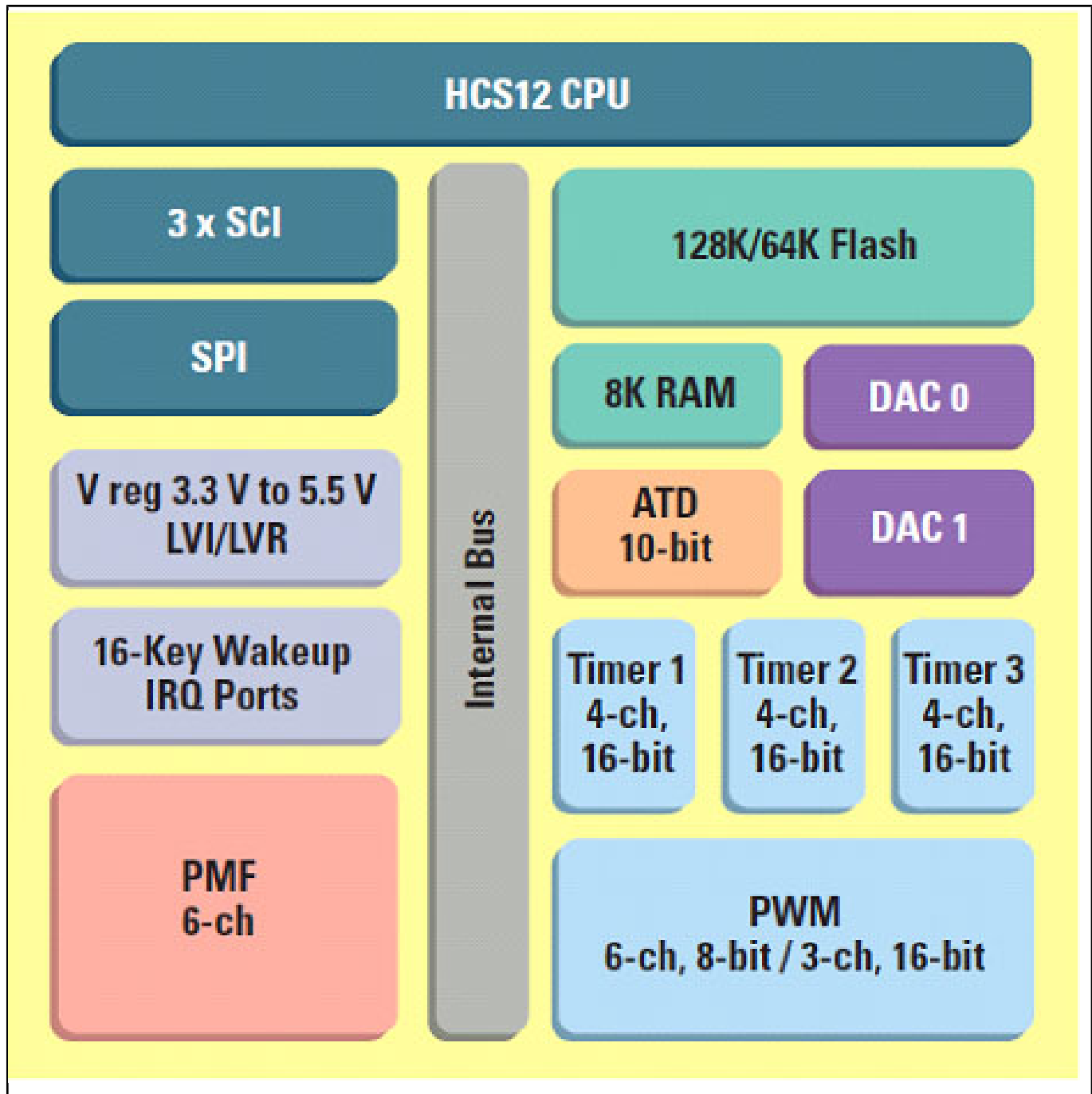
The MC9S12E is a 112/80-pin, cost-effective, general-purpose MCU family, using the important on-chip features needed for your automotive designs.

The MC9S12E has full 16-bit data paths throughout.

The inclusion of a phase-locked 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



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

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

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.