S12ZVH MagniV Mixed-Signal MCU

S12ZVH

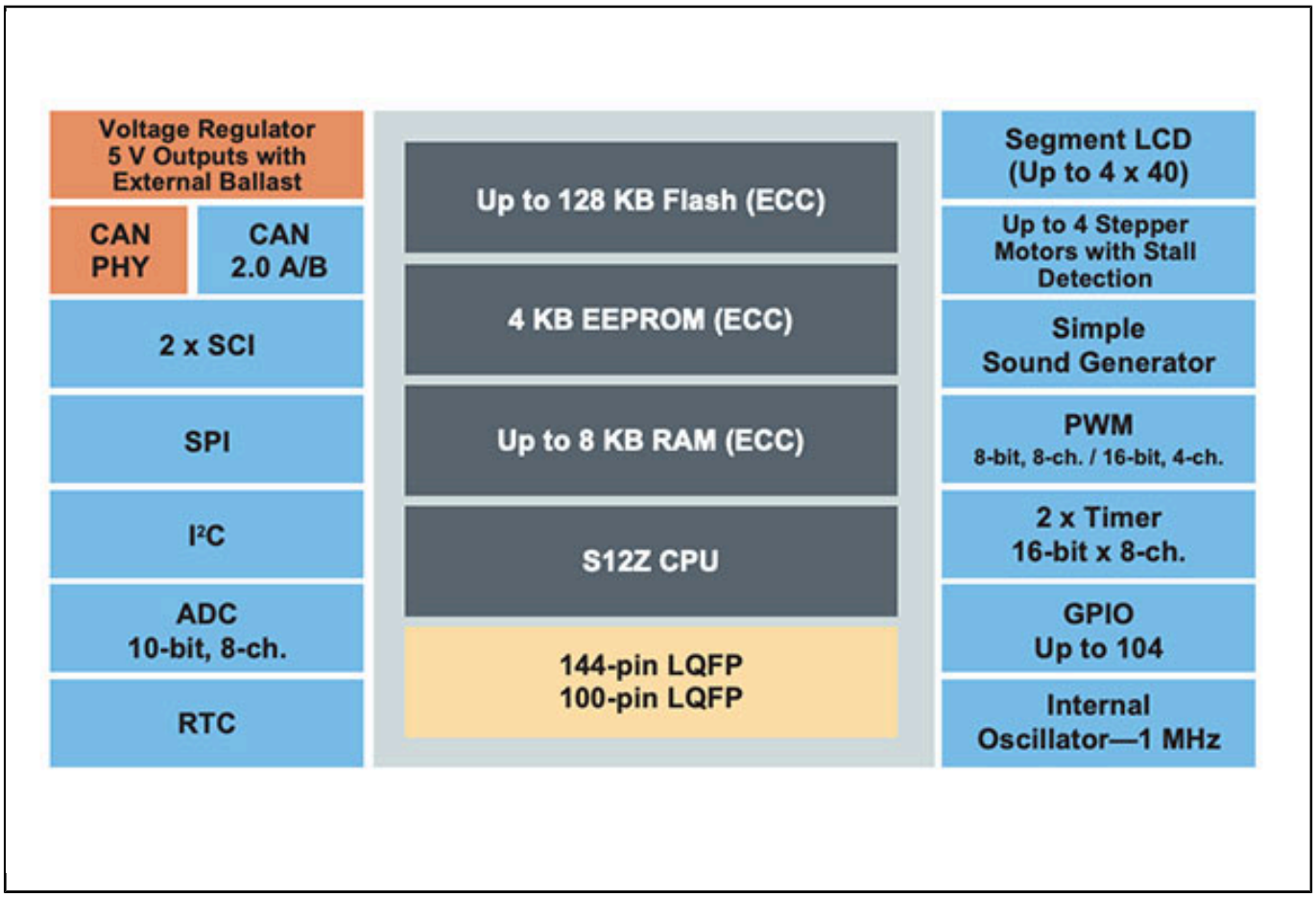
Last Updated: Jan 8, 2026

The S12ZVH MCU integrates a sophisticated MCU with a voltage regulator, CAN and LIN physical layer, display controller, and instrument gage drivers for entry-level automotive and industrial instrument clusters applications.

The S12ZVH microcontrollers are part of the 16-bit S12 MagniV® mixed-signal MCU family and are part of an automotive instrument cluster solution demostrating high integration in a single chip.

The S12ZVH MCU allows designing an instrument cluster with a smaller and more energy-efficient footprint, reducing cost and improving overall system reliability using a minimized component number.

S12ZVH - S12 MagniV Mixed-Signal MCU Block Diagram



View additional information for S12ZVH MagniV Mixed-Signal MCU.

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. © 2026 NXP B.V.