



S12ZVM Mixed-Signal MCU for Automotive and Industrial Motor Control Applications

S12ZVM

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The 16-bit S12 MagniV® S12ZVM mixed-signal microcontroller family offers the smallest, efficient, and scalable 3-phase motor control solution for Brushless Direct Current (BLDC) motor, Permanent Magnet Synchronous Motor (PMSM), or Switched Reluctance Motor (SRM) control applications for industrial and automotive.

The S12ZVM MCUs integrate a 12 V to 5 V voltage regulator, LIN physical layer or CAN physical layer, and a Gate Driver Unit (GDU) to control six power MOSFETs.

S12ZVM Block Diagram Block Diagram



View additional information for [S12ZVM Mixed-Signal MCU for Automotive and Industrial Motor Control Applications](#).

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

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