



S12Q Automotive and Industrial Microcontrollers (MCUs)

S12Q

Not Recommended for New Designs

This page contains information on a product that is not recommended for new designs.

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The MC9S12Q is an automotive MCU with up to 128 KB of embedded flash, giving you the power and flexibility of the 16-bit standard S12 core for a whole new range of cost-sensitive and space-constraint applications.

All family members feature full 16-bit data paths throughout.

The inclusion of a phase-locked loop (PLL) circuit lets you adjust power consumption and performance to suit operational requirements.

In addition to the I/O ports available in each module, up to 10 dedicated I/O port bits are available with wake-up capability from stop or wait mode.

S12Q Microcontroller Block Diagram Block Diagram



View additional information for [S12Q Automotive and Industrial Microcontrollers \(MCUs\)](#).

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

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