



# S32K1 Microcontrollers for Automotive General Purpose

## S32K1

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The S32K1 Family of 32-bit microcontrollers (MCUs) offers Arm® Cortex®-M-based MCUs, along with a basic cryptographic security engine. S32K1 Family offers scalability in number of cores, memory and peripherals, ensuring high-performance and functional safety compliant with ISO 26262 up to ASIL B.

S32K1 Family is accompanied by a complete production-grade software ecosystem. S32K1 MCUs feature ultra-low-power operating modes and are supported by a comprehensive suite of production grade tools and software including an automotive-grade Software Development Kit (SDK) suitable for both AUTOSAR® and non-AUTOSAR applications.

S32K1 MCUs are available in various package types, including QFN, LQFP and MAPBGA, providing flexibility in integration and design.

## S32K1 Family Features Block Diagram



View additional information for [S32K1 Microcontrollers for Automotive General Purpose](#).

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

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