



# S32K389EVB-Q437 Evaluation Board for Automotive General Purpose

## S32K389EVB-Q437

NEW

Active

Last Updated: Jan 19, 2026

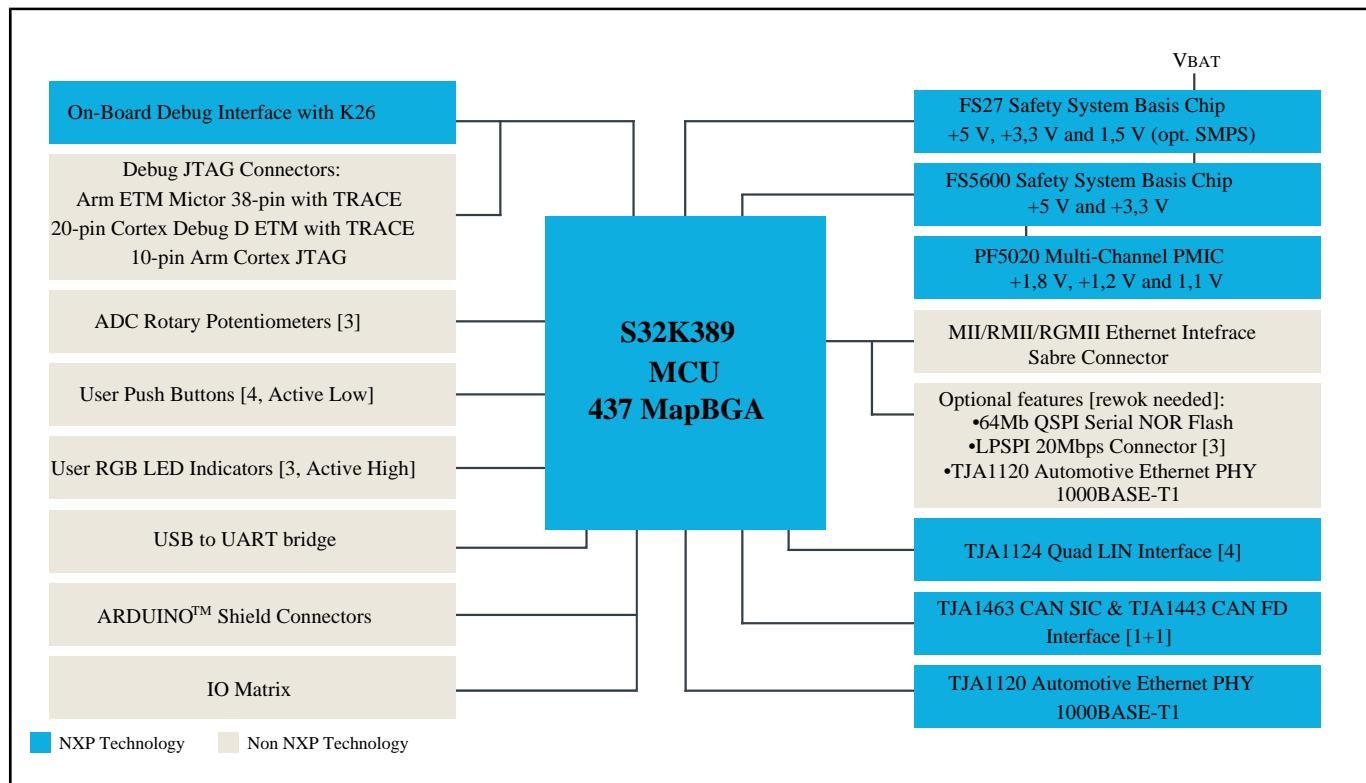
The S32K389EVB-Q437 is an evaluation and development board designed for next-generation automotive and industrial applications, including body control modules, zonal/domain controllers, I/O aggregators and electrification systems.

Based on the 32-bit Arm® Cortex®-M7 S32K389 MCU in a 437-pin MAPBGA package, this board offers multicore mode, HSE\_B security engine, OTA support, and enhanced connectivity with two 1xGigabit Ethernet and up to twelve CAN FD channels for high-performance networking.

With 12 MB Flash and 2.3 MB SRAM, the S32K389 provides the memory headroom needed for advanced SDV applications.

The board features a standard-based form factor compatible with the Arduino® UNO pin layout, enabling rapid prototyping and expansion for demanding automotive and industrial solutions.

## S32K389EVB-Q437 Evaluation Board Block Diagram



View additional information for [S32K389EVB-Q437 Evaluation Board for Automotive General Purpose](#).

**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.