S32K344MINI-EVB Evaluation Board for Automotive General Purpose
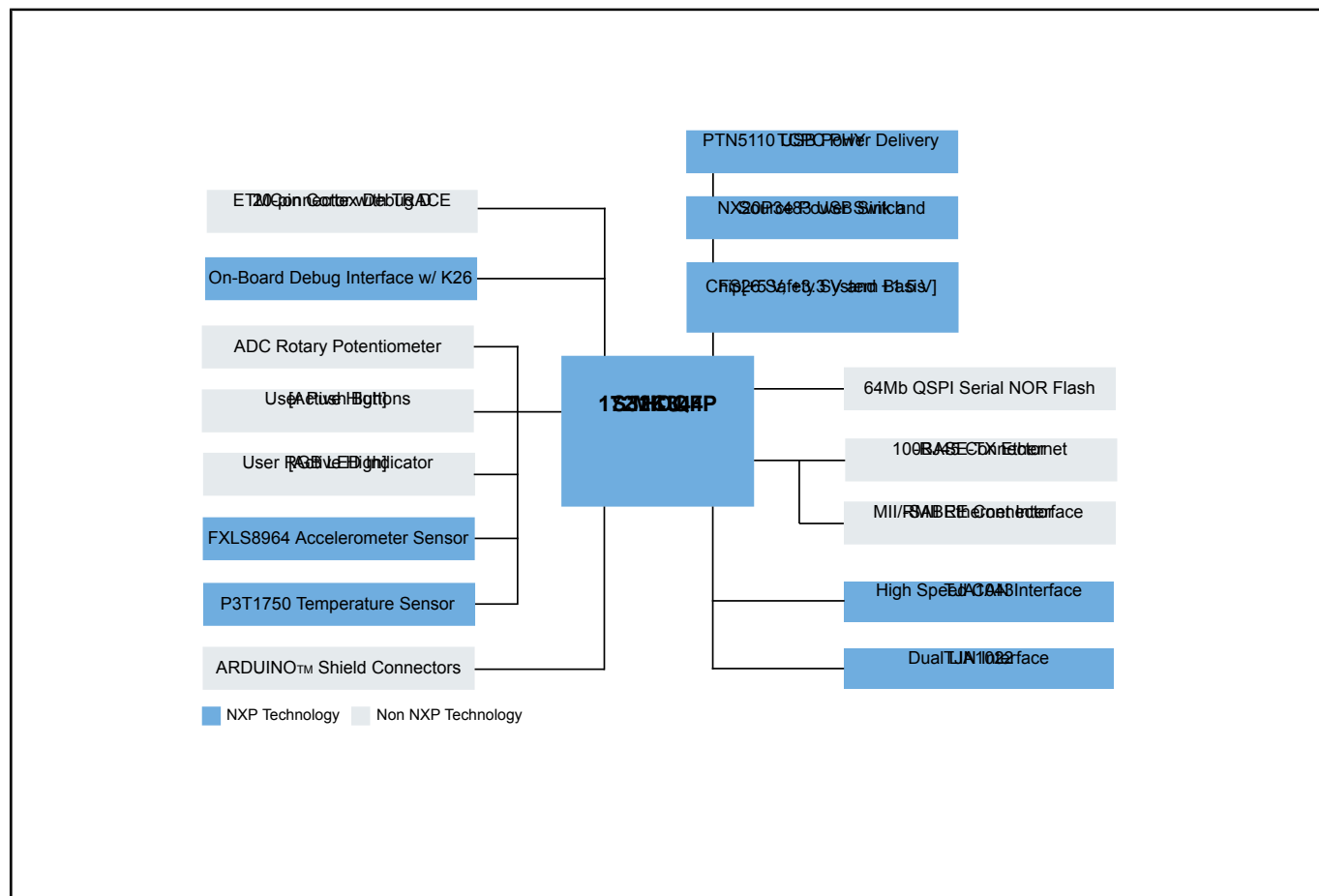
S32K344MINI-EVB

Active

Last Updated: Jan 23, 2026

The S32K344MINI-EVB is an evaluation board for general-purpose industrial and automotive applications.

Based on the 32-bit Arm® Cortex®-M7 S32K3 microcontroller unit (MCU) in a 172 High Density Quad Flat Package (HDQFP) package, the S32K344MINI-EVB offers two cores in lockstep mode, Hardware Security Engine (HSE), advanced connectivity and low-power.

The S32K344MINI-EVB offers a standard-based form factor compatible with the Arduino® UNO pin layout, providing a broad range of expansion board options for quick application prototyping and demonstration.

S32K344MINI-EVB Block Diagram

ET20-pin Connector w/ Debug/TRACE

On-Board Debug Interface w/ K26

ADC Rotary Potentiometer

User Push Buttons (Active High)

User RGB LED Indicator

FXLS8964 Accelerometer Sensor

P3T1750 Temperature Sensor

ARDUINO™ Shield Connectors

S32K344P

PTN5110 USB-C Power Delivery

NX20P3483 USB Power Switch

FS26 Safety System Basis [SBC]

64Mb QSPI Serial NOR Flash

100BASE-TX Ethernet

MII/RMII RF Connector Interface

High Speed CAN Interface

Dual TJA1029 LIN Interface

NXP Technology   Non NXP Technology

View additional information for S32K344MINI-EVB Evaluation Board for Automotive General Purpose.

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