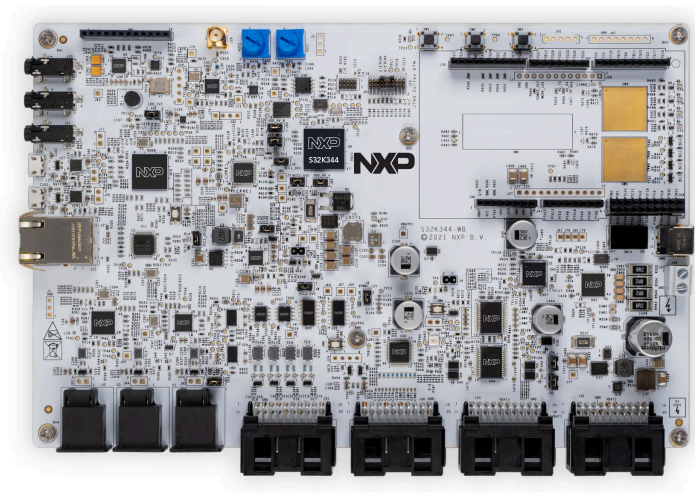


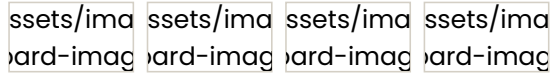
# S32K344-WB Evaluation Board for Automotive General Purpose

**S32K344-WB** [Receive alerts ⓘ](#)



Roll over image to zoom in





The S32K344-WB is an evaluation board for general-purpose automotive and industrial applications.

Based on the 32-bit Arm®, Cortex®-M7 S32K344 (/products/processors-and-microcontrollers/s32-automotive-platform/s32k-auto-general-purpose-mcus/s32k3-microcontrollers-for-automotive-general-purpose:S32K3) offers dual cores configured in lockstep mode in a BGA 257 package. S32K344-WB supports a wide range of ASIL D safety hardware and peripherals, including the FS26 (/products/power-management/pmics-and-sbcs/system-basis-chips/safety-system-basis-chip-with-low-power-for-asil-d-systems:FS26) safety system basis chip, SJA1105 (/products/interfaces/ethernet-/automotive-ethernet-switches/sja1105pel-qel-rel-sel-series-ethernet-switches:SJA1105PQRS) Ethernet switch and 100BASE-T1 for AVB demo and message routing. The NCK2910 RF receiver and NJJ29C2 (/products/security-and-authentication/secure-car-access/low-frequency-driver-and-receiver-ic-for-passive-keyless-entry-applications:NJJ29C0BHN) LF driver are intended to use for the development of passive entry passive start (PEPS) keyless applications.

Due to its high component integration, a number of CAN and LIN interfaces, power switches and audio interface, the S32K344-WB is an excellent choice for the development of zonal aggregator and domain control type of applications.

Less ^

[DESIGN FILES](#)

[SOFTWARE](#)

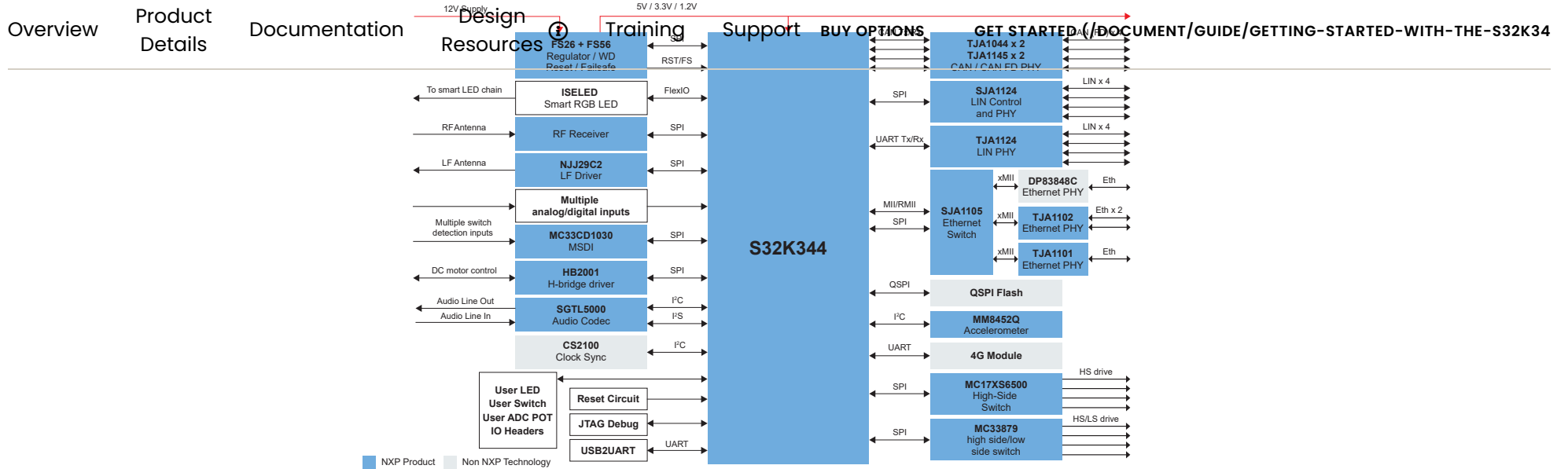
## Product Details

[Block Diagram](#) | [Supported Devices](#) | [Features](#) | [Applications](#)

### Block Diagram



# S32K344-WB Evaluation Board



[GET DIAGRAM PDF \(/ASSETS/BLOCK-DIAGRAM/EN/S32K344-WB.PDF\)](#)

## Supported Devices

### Power Management

BLDC, H-Bridge, Stepper

- **HB2001** (/products/power-management/motor-and-solenoid-drivers/bldc-h-bridge-stepper/spi-programmable-10-a-h-bridge-brushed-dc-motor-driver:HB2001): SPI Programmable 10 A H-Bridge Brushed DC Motor Driver



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## High Side Switches

- **MC12XS6** (/products/power-management/smart-switches-and-drivers/high-side-switches/external-automotive-lighting-multi-channel-extreme-switch:MC12XS6): External Automotive

Overview   Product Details   Documentation   Design Resources   **Lighting Multi-Channel eXtreme Switch**   Training   Support   BUY OPTIONS   GET STARTED (/DOCUMENT/GUIDE/GETTING-STARTED-WITH-THE-S32K34)

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## Configurable Switches

- **MC33879** (/products/power-management/smart-switches-and-drivers/configurable-switches/configurable-octal-serial-switch:MC33879): Configurable Octal Serial Switch

## System Basis Chips

- **FS26** (/products/power-management/pmics-and-sbcs/system-basis-chips/safety-system-basis-chip-with-low-power-for-asil-d-systems:FS26): Safety System Basis Chip with Low Power, for ASIL D Systems
- **FS5600** (/products/power-management/pmics-and-sbcs/system-basis-chips/automotive-dual-buck-regulator-and-controller-with-voltage-monitors-and-watchdog-timer:FS5600): Automotive Dual Buck Regulator and Controller with Voltage Monitors and Watchdog Timer

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## Interfaces

More ▾

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## Features

### Hardware Features



### S32K344-WB Evaluation Board for Automotive General Purpose

- Power supply switch
- 2x user push-buttons
- 2x ADC rotary potentiometer
- 2x touchpad electrode + 1x slider
- 10-pin and 20-pin JTAG connector for S32K3 debug interface

### Software Features

- Complimentary S32 Design Studio IDE (/design/design-center/software/development-software/s32-design-studio-ide:S32-DESIGN-STUDIO-IDE) (Eclipse, GCC and debugger)
- Complimentary Real-Time Drivers (/design/design-center/software/automotive-software-and-tools/real-time-drivers-rtd:AUTOMOTIVE-RTD) (RTD) for AUTOSAR® and non-AUTOSAR use and ASIL D ↑

