



# DSI3/SPI Automotive Safety Digital Accelerometer

## NXLS95

Last Updated: Dec 23, 2025

The NXLS95 family is the latest generation of airbag crash sensors from NXP.

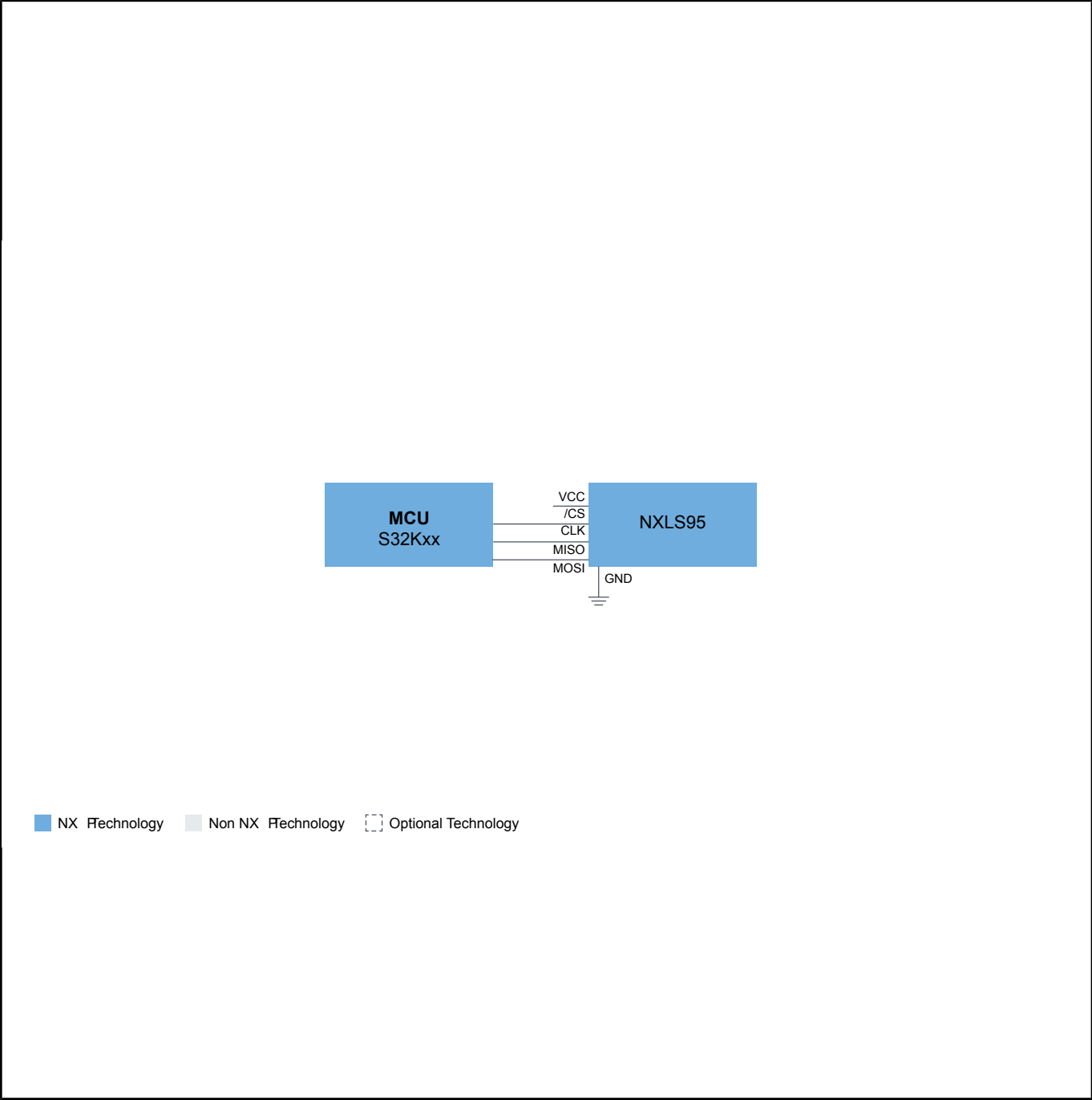
The devices are designed using NXP proprietary UMEMS sensing technology combined with a signal conditioning ASIC in a QFN 4 x 4 x 1.45 mm package.

The devices feature a user-selectable DSI3 interface and a 32-bit SPI interface. They can measure acceleration in single or dual independent axis configurations from +/-15.5 g to +/-500 g. The embedded DSP provides fully programmable digital high and low pass filtering.

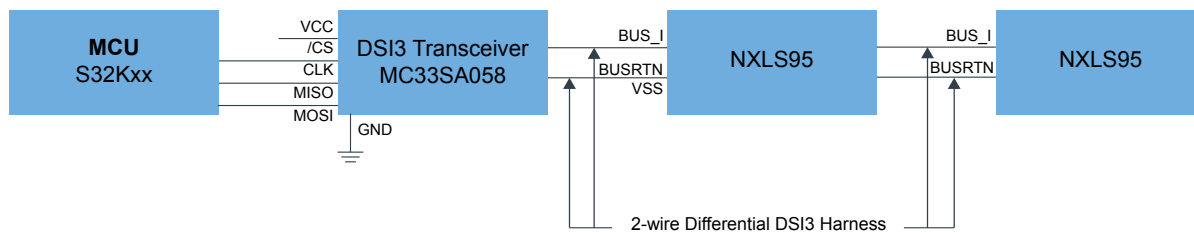
The NXLS95 family is fully AEC-Q100 qualified up to 125# operating temperature and is compliant with the AK LV 27 requirements. The package has wettable flanks for solder joint inspection. NXLS95 products have been developed following ISO26262 2018 edition and can be used in up to ASIL D system.

For additional information and sample availability, contact your local [sales office](#).

NXLS95 Application Diagram Block Diagram



NXLS95 DSI3 Application Diagram Block Diagram



■ NX Technology    ■ Non NX Technology    □ Optional Technology

View additional information for [DSI3/SPI Automotive Safety Digital Accelerometer](#).

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