



Safety System Basis Chip (SBC) with Low Power Fit for ASIL D

FS26 NEW

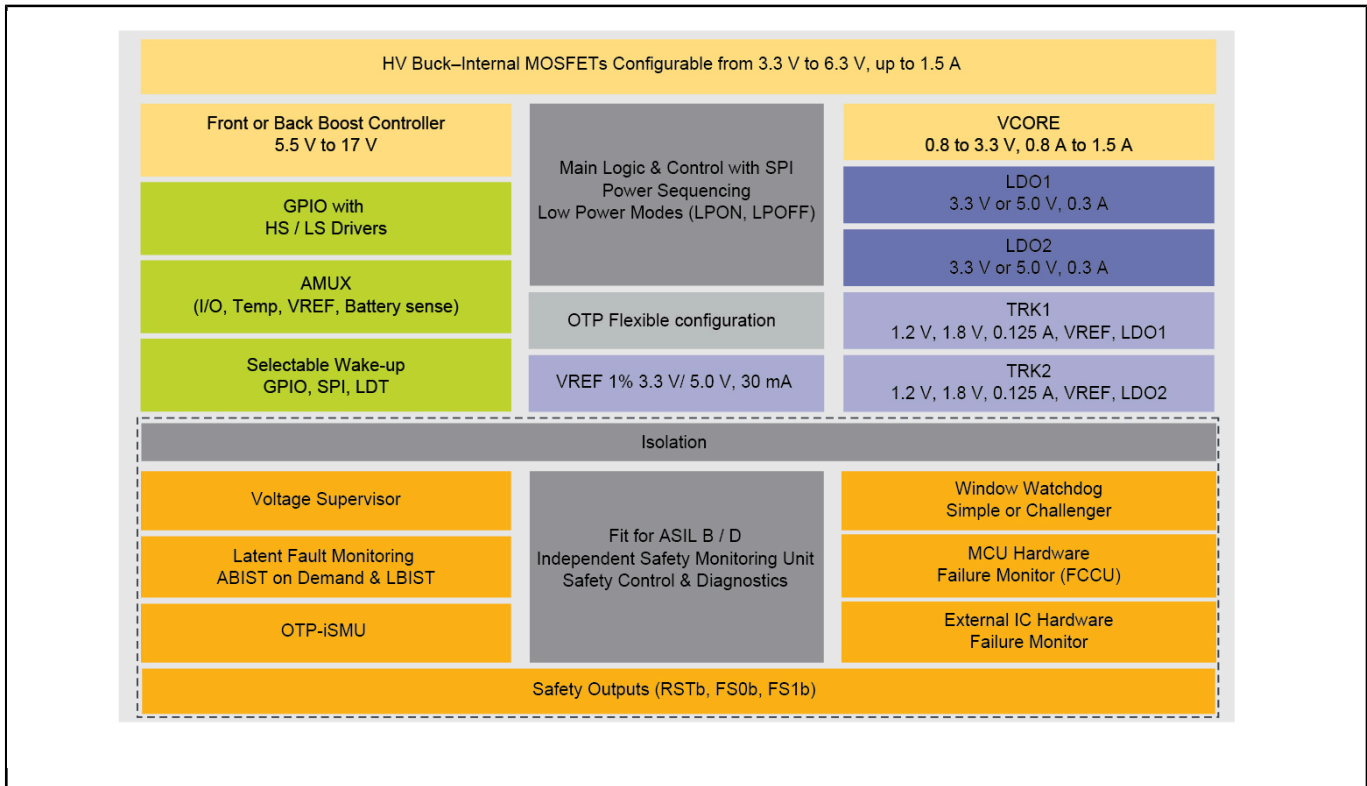
Last Updated: May 4, 2022

The FS26 is a family of automotive safety system basis chip (SBC) devices with a multiple power supply designed to support entry and mid-range safety microcontrollers like S32K3 series while maintaining flexibility to fit other microcontrollers targeting automotive electrification such as powertrain, chassis, safety and low-end gateway applications.

FS26 features multiple switch mode regulators as well as LDO voltage regulators to supply the microcontroller, sensors, peripheral ICs and communication interface. FS26 offers a high precision voltage reference available to the system and a reference voltage for 2 independent voltage tracking regulators in addition of various functionalities for system control and diagnostics such as analog multiplexer, GPIOs and selectable wake up events from I/O, long duration timer or SPI communication.

The FS26 is developed in compliance with the ISO 26262 standard and it includes enhanced safety features, with a multiple fail-safe output, becoming a full part of a safety-oriented system partitioning, covering both ASIL B and ASIL D safety integrity level, with latest on-demand latent fault monitoring.

FS26 Safety SBC Block Diagram Block Diagram



View additional information for [Safety System Basis Chip \(SBC\) with Low Power Fit for ASIL D](#).

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. © 2022 NXP B.V.