



Safety System Basis Chip with Low Power, for ASIL D Systems

FS26

Last Updated: May 13, 2024

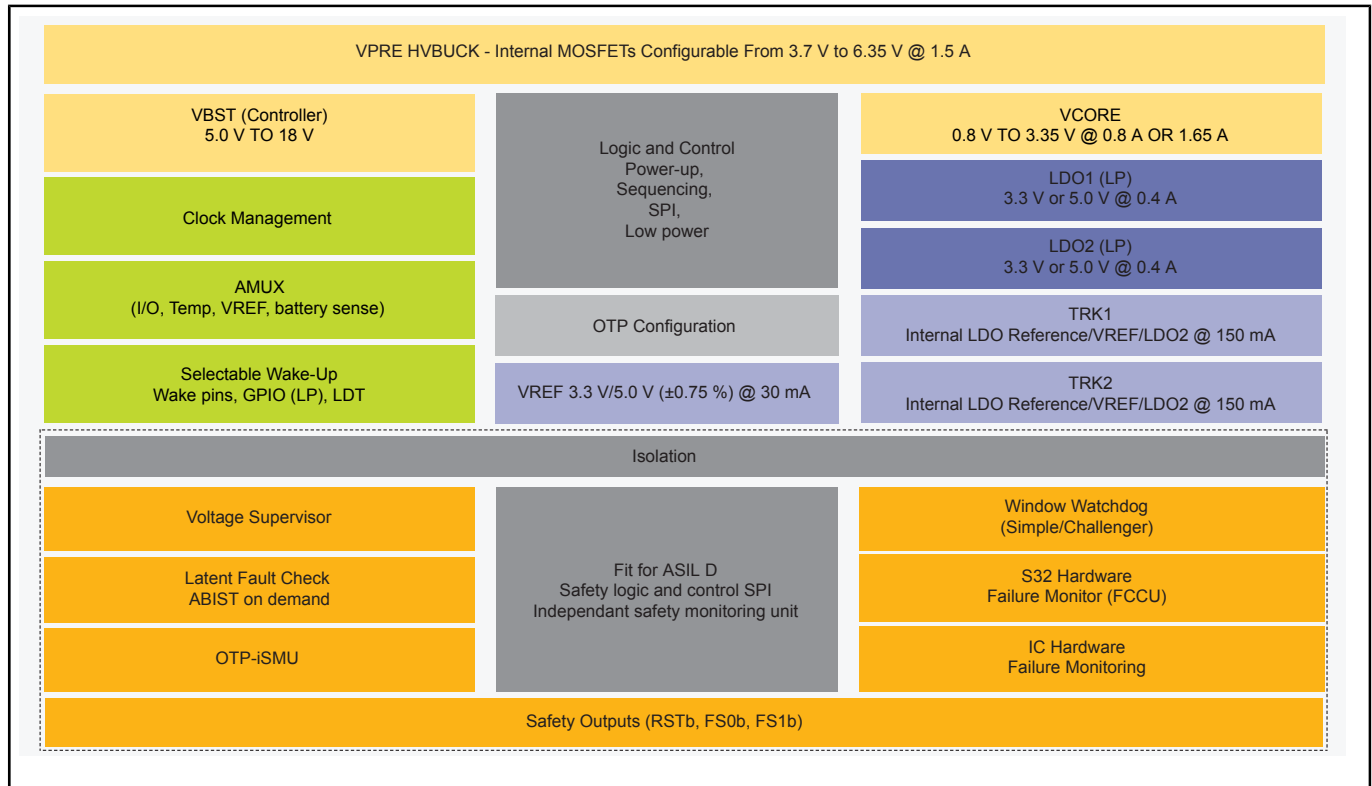
FS26 silicon and enablement (documentation, software and boards) are available for select customers with an approved NDA. For additional information and sample availability, [contact support](#) or your local sales representative.

The FS26 family of automotive safety system basis chip (SBC) devices offer multiple power supply options designed to support entry and mid-range safety microcontrollers like the S32K3 series. FS26 devices also enable other microcontrollers targeting automotive electrification such as powertrain, chassis, safety and low-end gateway applications.

The 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, various functionalities are available 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 ISO 26262 compliant, covering ASIL B and ASIL D safety integrity levels. It features multiple fail-safe outputs, becoming a full part of a safety-oriented system partitioning, along with the latest on-demand latent fault monitoring.

FS26 Safety SBC Block Diagram Block Diagram



View additional information for [Safety System Basis Chip with Low Power, for ASIL D Systems](#).

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. © 2024 NXP B.V.