



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

FS26

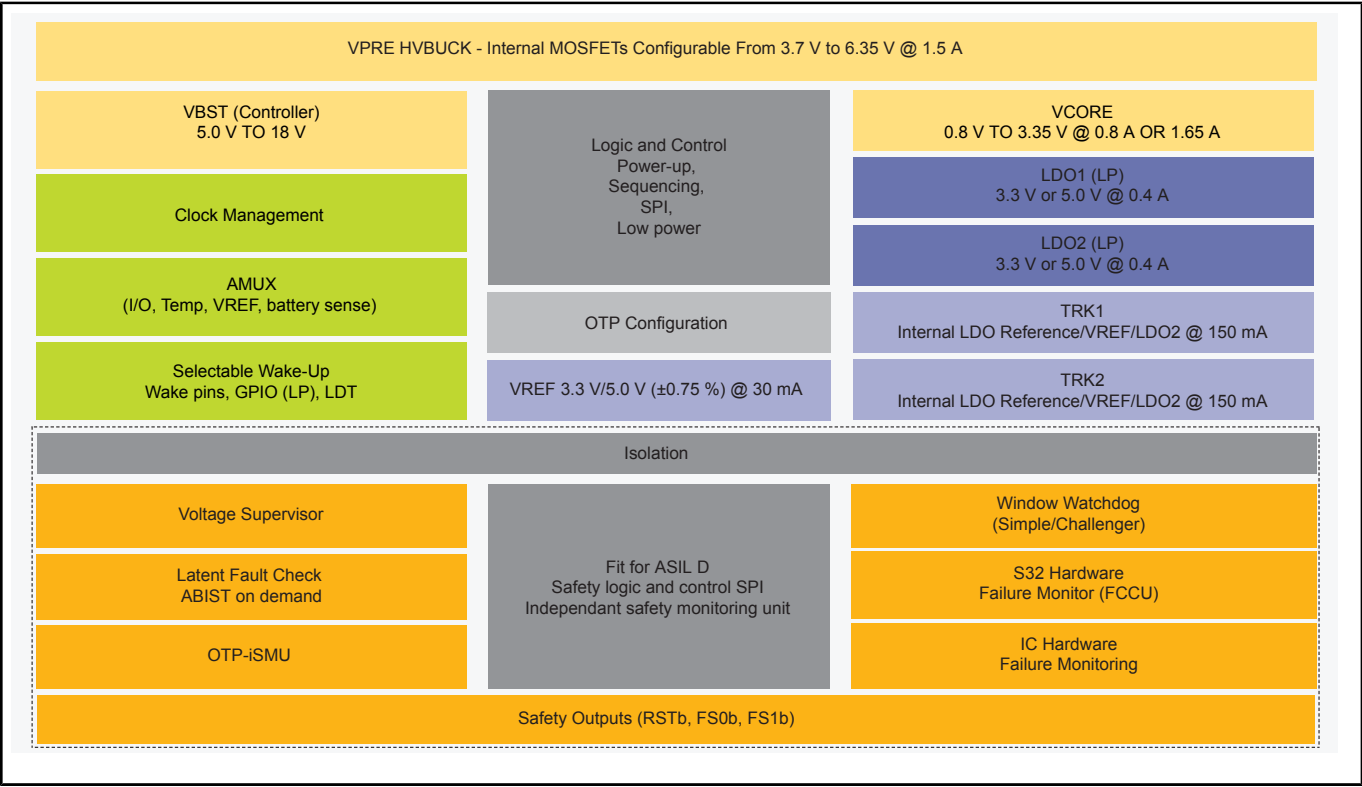
Last Updated: Apr 28, 2025

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



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.