



# Safe SBC with Buck and Boost DC/DC Up to 1.5 A on Vcore

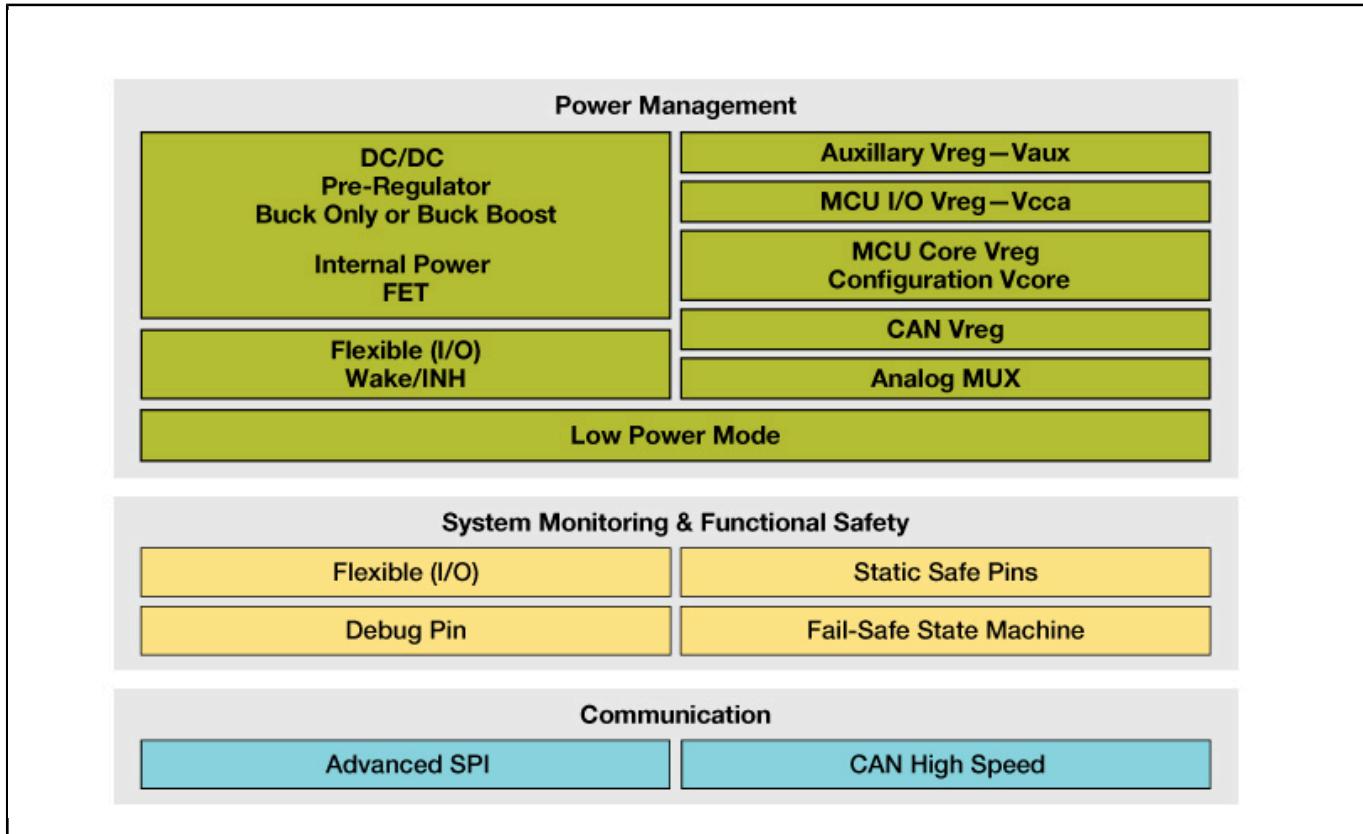
## MC34FS6408

Last Updated: Dec 23, 2025

The MC34FS6408 system basis chip (SBC), an NXP® Energy-Efficient solution, provides power to MCUs and offer system loads and optimize energy consumption through DC/DC switching regulators, linear regulators and ultra-low-power saving modes.

- Advanced functional safety measures.
- IEC 61508 functional safety metrics available upon demand.
- Serial peripheral interface (SPI) to allow control and diagnostics with the MCU.
- Integrates CAN physical interface compliant with the ISO11898-2 and -5 standards along with the latest automotive OEM standards for EMC and ESD.

## MC34FS6407/8 Product Block Diagram Block Diagram



View additional information for [Safe SBC with Buck and Boost DC/DC Up to 1.5 A on Vcore](#).

**Note:** The information on this document is subject to change without notice.

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