Safe System Basis Chip with Buck and Boost DC/DC up to 1.5 A on Vcore

MC33908

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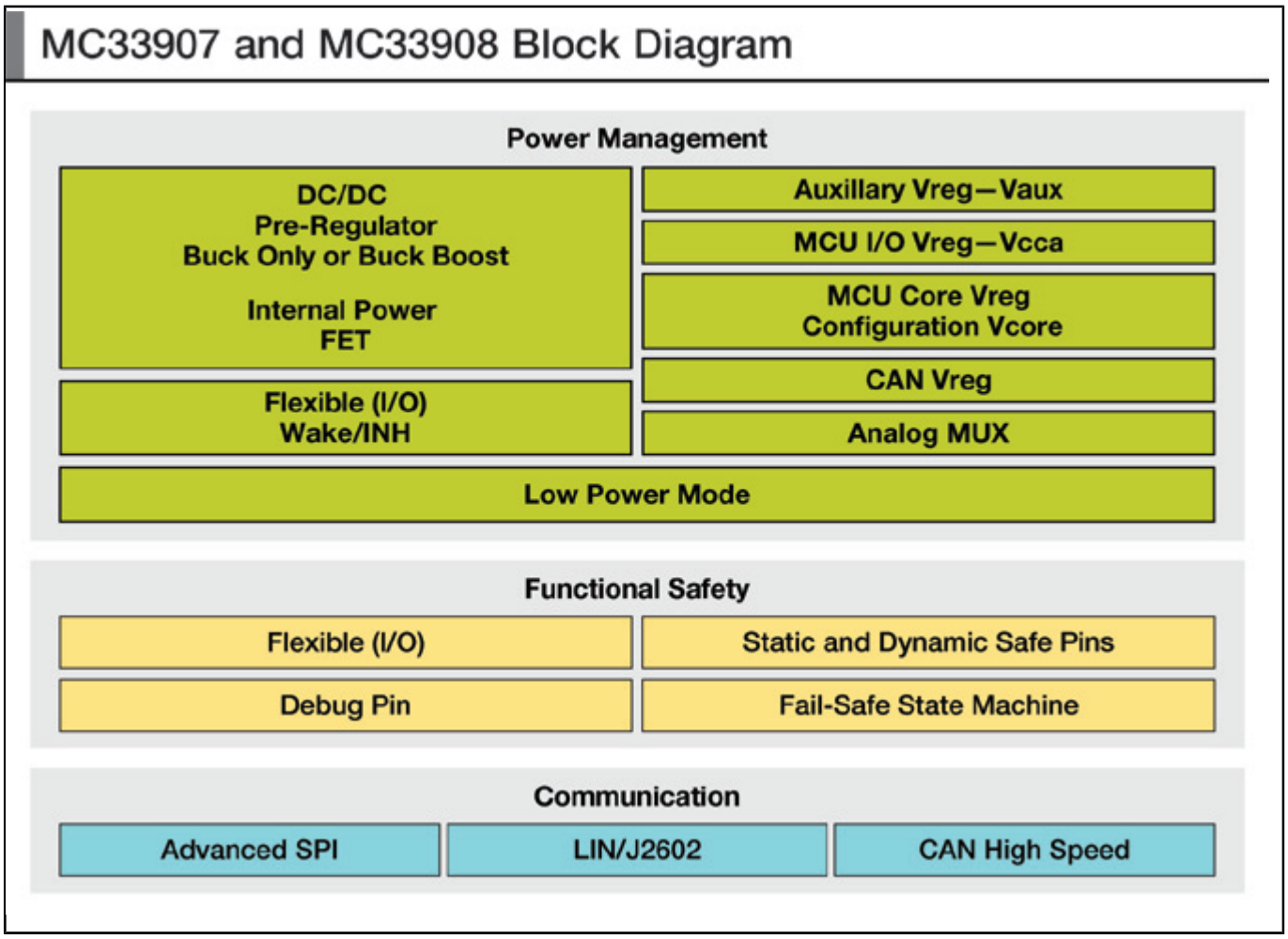
The NXP MC33908 system basis chip (SBC) provides power to MCUs and optimizes energy consumption through DC/DC switching regulators, linear regulators and ultra-low-power saving modes. Featuring:

- Advanced functional safety measures
- A serial peripheral interface (SPI) to allow control and diagnostics with the MCU
- Integration of CAN and LIN physical interfaces compliant with the ISO 11898-2,-5, LIN 2.2, 2.1/J2602-2 standards along with the latest automotive OEM standards for EMC and ESD
- A range of integrated safety features such as monitoring of critical analog parameters, a failsafe state machine and an advanced watchdog reduce software complexity with dual-core lock-step MCUs

MC33907 and MC33908 Block Diagram



View additional information for Safe System Basis Chip 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.