32-bit MCU for Automotive Powertrain and Industrial Applications
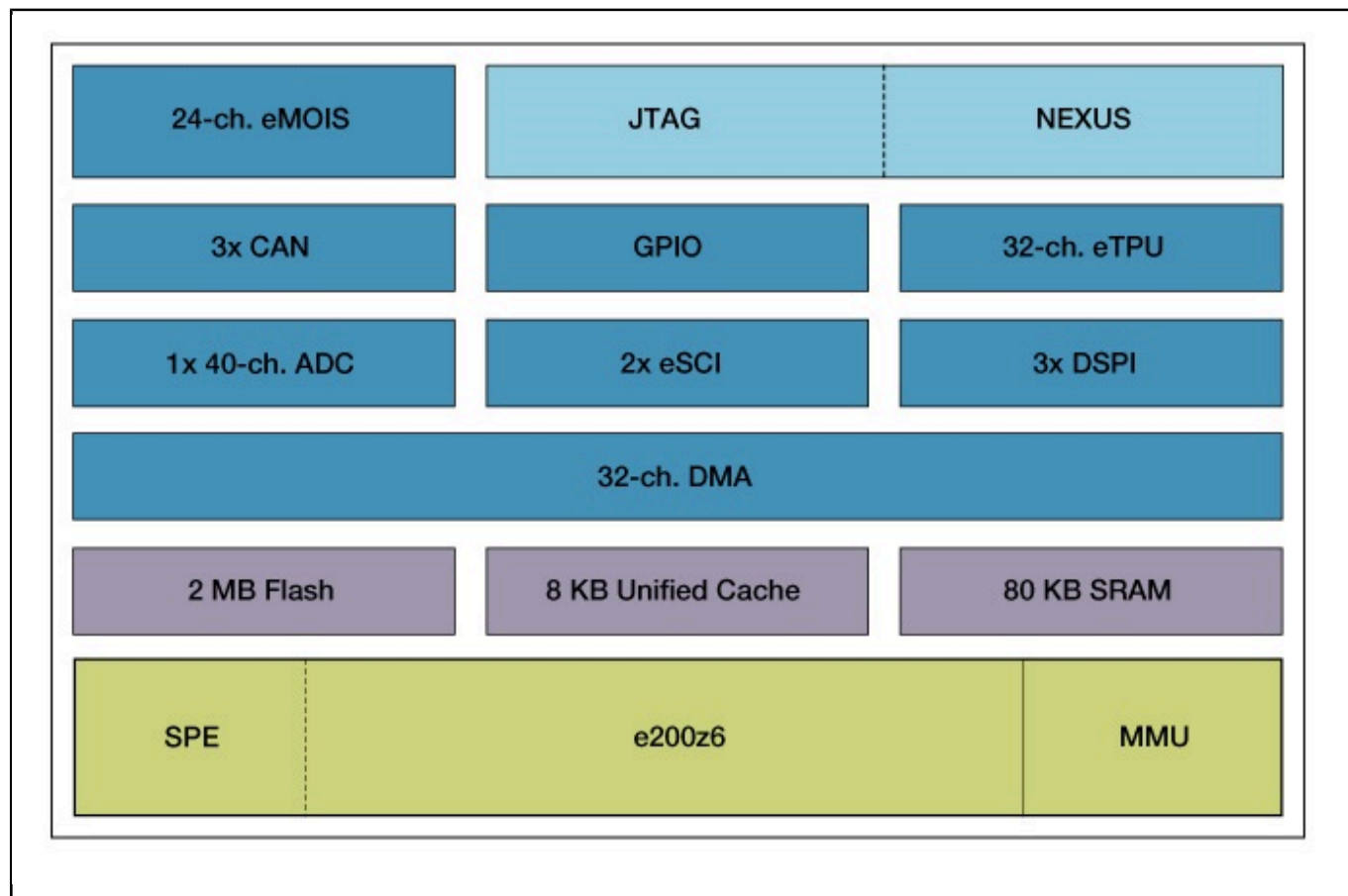
MPC5565

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Designed for engine management and high temperature industrial environments, the NXP MPC5565 embedded controller targets mid-range applications and use cases requiring complex, real-time control.

- Helps increase fuel efficiency and improved emissions
- Offers system performance of up to five times that of its MPC500 predecessors
- Enables easy migration to next-generation 3 MB flash-embedded controllers
- Facilitates reuse of legacy software architectures
- Pin-and code-compatible with other MPC5500 family MCUs
- Includes comprehensive development tools to help simplify and speed system design

MPC5565 Block Diagram

24-ch. eMOIS	JTAG	NEXUS
3x CAN	GPIO	32-ch. eTPU
1x 40-ch. ADC	2x eSCI	3x DSPI
32-ch. DMA		
2 MB Flash	8 KB Unified Cache	80 KB SRAM
SPE	e200z6	MMU

View additional information for 32-bit MCU for Automotive Powertrain and Industrial Applications.

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