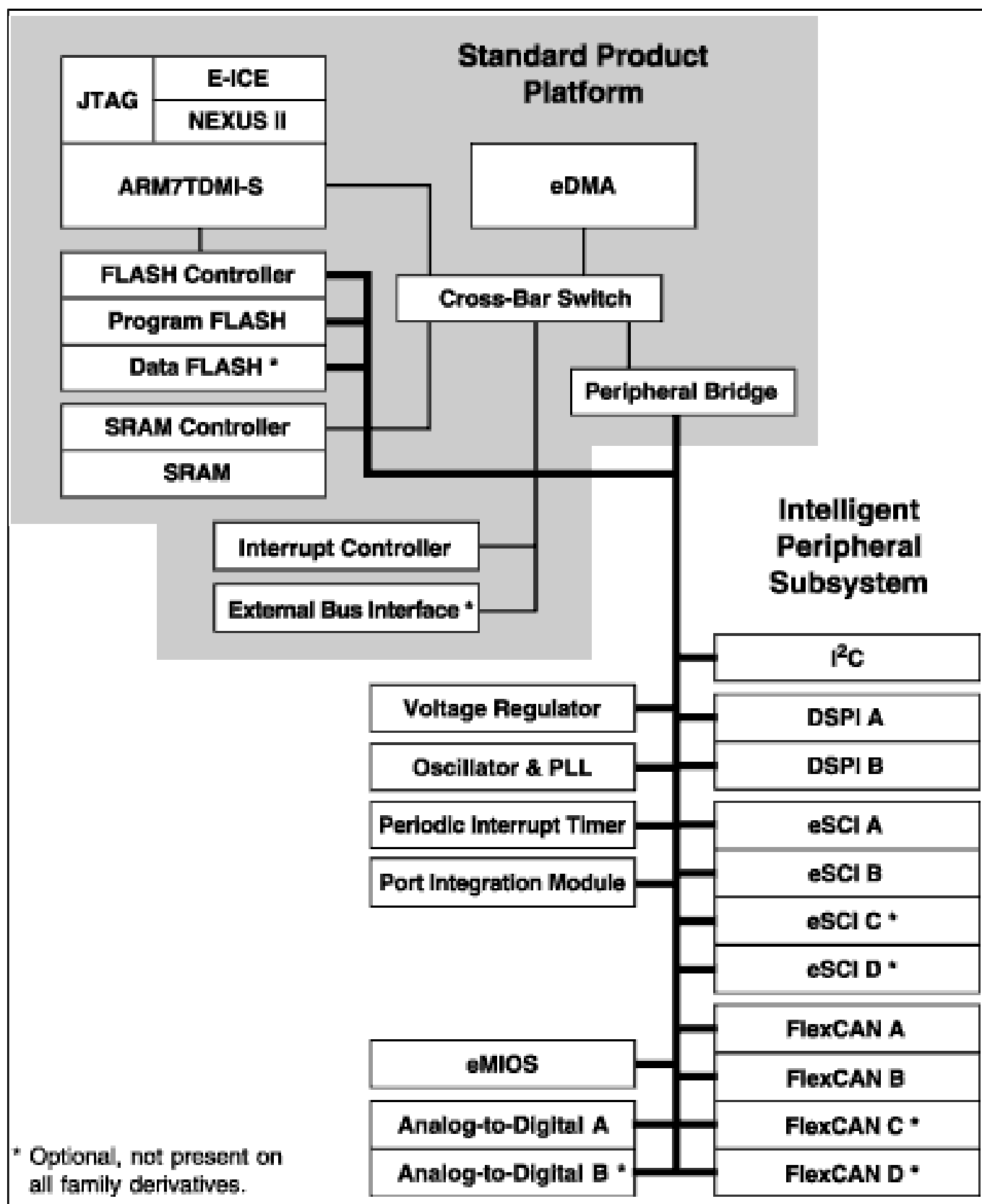# 32-Bit Automotive Microcontrollers

MAC7131

Not Recommended for New Designs

This page contains information on a product that is not recommended for new designs.

Last Updated: Feb 21, 2025

The MAC7131 is a member of a pin-compatible family of 32-bit Flash memory-based devices developed specifically for embedded automotive applications. It addresses the growing demand for cost-effective 32-bit performance enhancements as traditional body, chassis and safety application exceed the performance scope of many 16-bit offerings.

MAC7100 Family r2 Block Diagram

Standard Product Platform

- JTAG
- E-ICE
- NEXUS II
- ARM7TDMI-S
- FLASH Controller
- Program FLASH
- Data FLASH *
- SRAM Controller
- SRAM
- eDMA
- Cross-Bar Switch
- Peripheral Bridge
- Interrupt Controller
- External Bus Interface *

Intelligent Peripheral Subsystem

- Voltage Regulator
- Oscillator & PLL
- Periodic Interrupt Timer
- Port Integration Module
- eMIOS
- Analog-to-Digital A
- Analog-to-Digital B *

- I^2C
- DSPI A
- DSPI B
- eSCI A
- eSCI B
- eSCI C *
- eSCI D *
- FlexCAN A
- FlexCAN B
- FlexCAN C *
- FlexCAN D *

* Optional, not present on all family derivatives.

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