Digital Signal Controller for Motor Control Applications

56F801X

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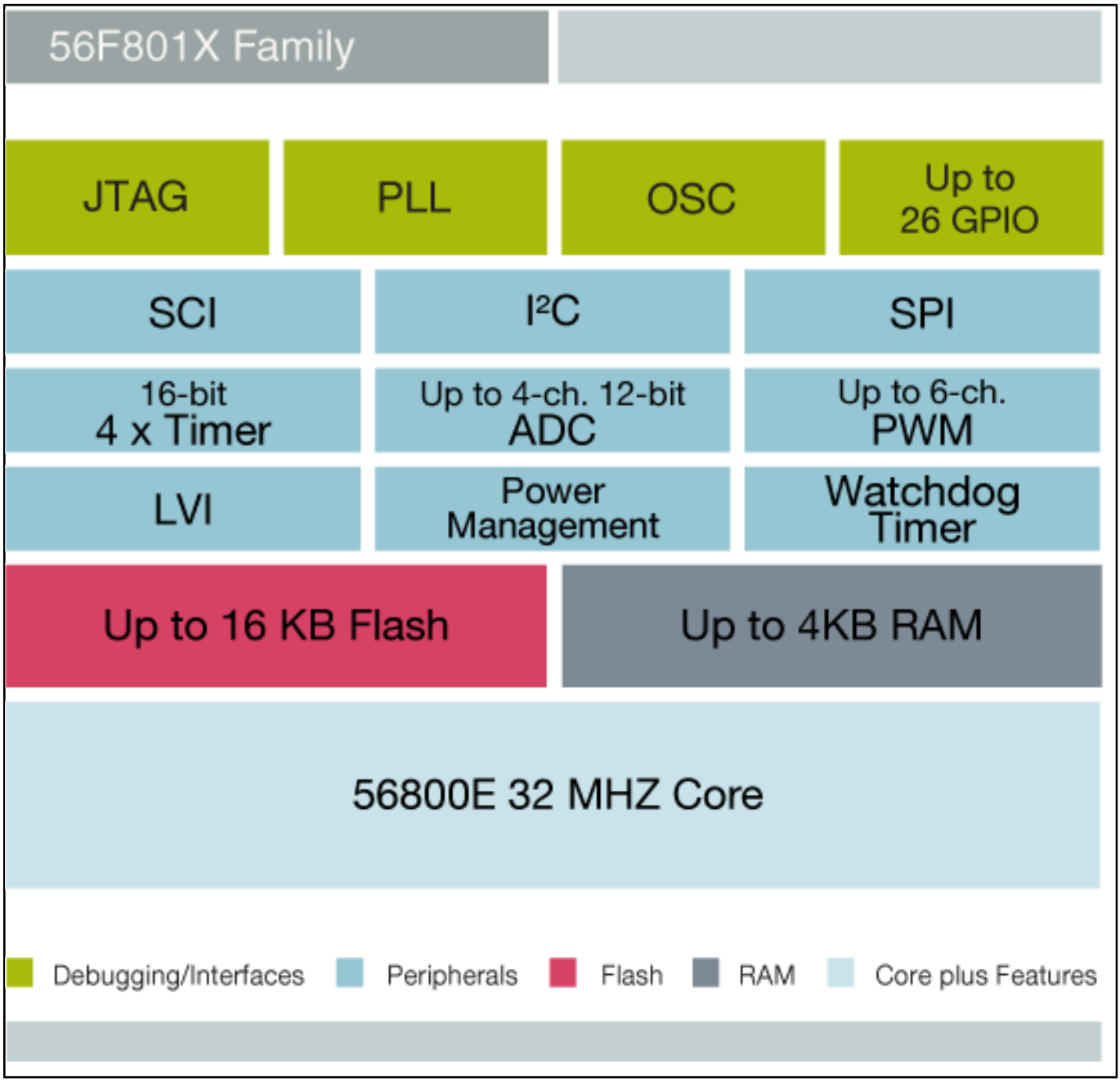
The NXP® 56F801X DSC family combines the power of digital signal processing and the functionality of a microcontroller on a single chip, with a flexible set of peripherals.

- Provides high-performance 16-bit solutions for motor control applications that require a greater number of pulse width modulators (PWMs)
- Delivers more control functionality with a smaller memory footprint than competing architectures
- Includes flexible power saving modes
- On-chip integration and ease of implementation help to speed development, lower component count, and significantly reduce system cost
- Supported by robust development tools to simplify and accelerate time-to-market

56F801X Digital Signal Controller Block Diagram



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