



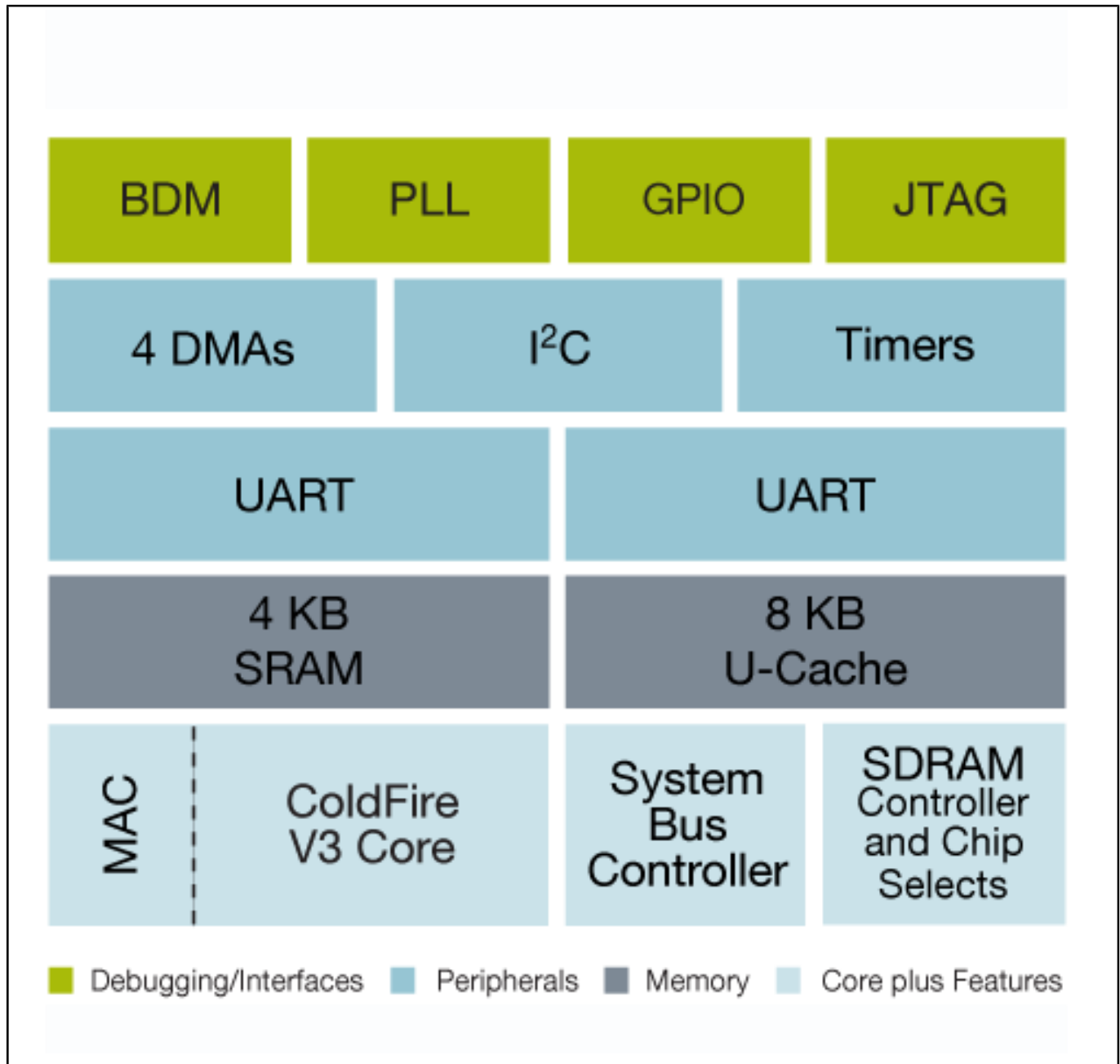
Integrated ColdFire® V3 Microprocessor

MCF530X

Last Updated: Dec 15, 2024

The MCF5307 is a high-performance (70 MIPS), cost-effective, highly integrated microprocessor designed for embedded control applications. The MCF5307 combines a ColdFire® V3; processor core with a multiply-accumulate (MAC) module, DRAM controller, direct memory access (DMA) controller, timers and parallel and serial interfaces. The time required for system design and implementation is greatly reduced by packaging common system functions on-chip and providing glueless interfaces to 8- 16- and 32-bit DRAM, SRAM, ROM and I/O devices.

ColdFire MCF530X Microprocessor Block Diagram Block Diagram



View additional information for [Integrated ColdFire® V3 Microprocessor](#).

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

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2025 NXP B.V.