



Integrated ColdFire® Version 2 Microprocessor

MCF524X

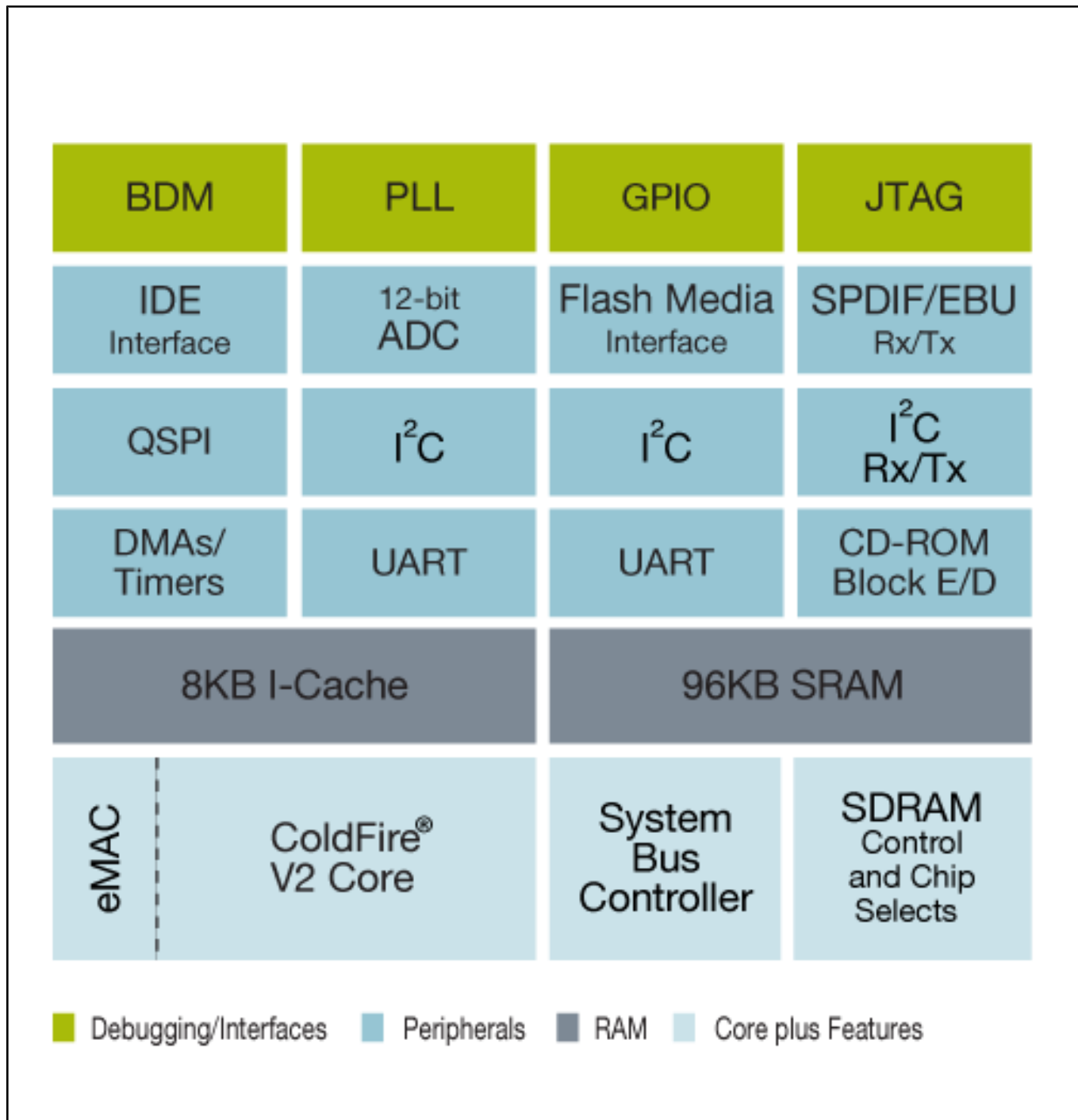
Not Recommended for New Designs

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

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The MCF5249 microprocessor delivers a high level of performance for the popular ColdFire® V2 core with over 125 (Dhrystone 2.1) MIPS @ 140 MHz and the lowest power consumption (1.3 mW/MHz) on a ColdFire device. This highly integrated microprocessor builds upon the ColdFire peripheral mix by adding audio enhancements and analog functionality in addition to an enhanced multiplier-accumulator unit (eMAC), large on-chip memory (96 KB SRAM, 8 KB I-Cache) and a SDRAM controller. The device is ideal for applications requiring significant control processing for file management, data buffering and user interface, as well as signal processing in key markets such as security, gaming, medical and digital audio. This leading package of integration, high performance and low power consumption allows fast time to market through access to high quality software modules, easy code reuse and extensive third-party tool support.

ColdFire MCF524X Microcontroller Block Diagram Block Diagram



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