



# Flexis 32-Bit V1 ColdFire USB Microcontroller

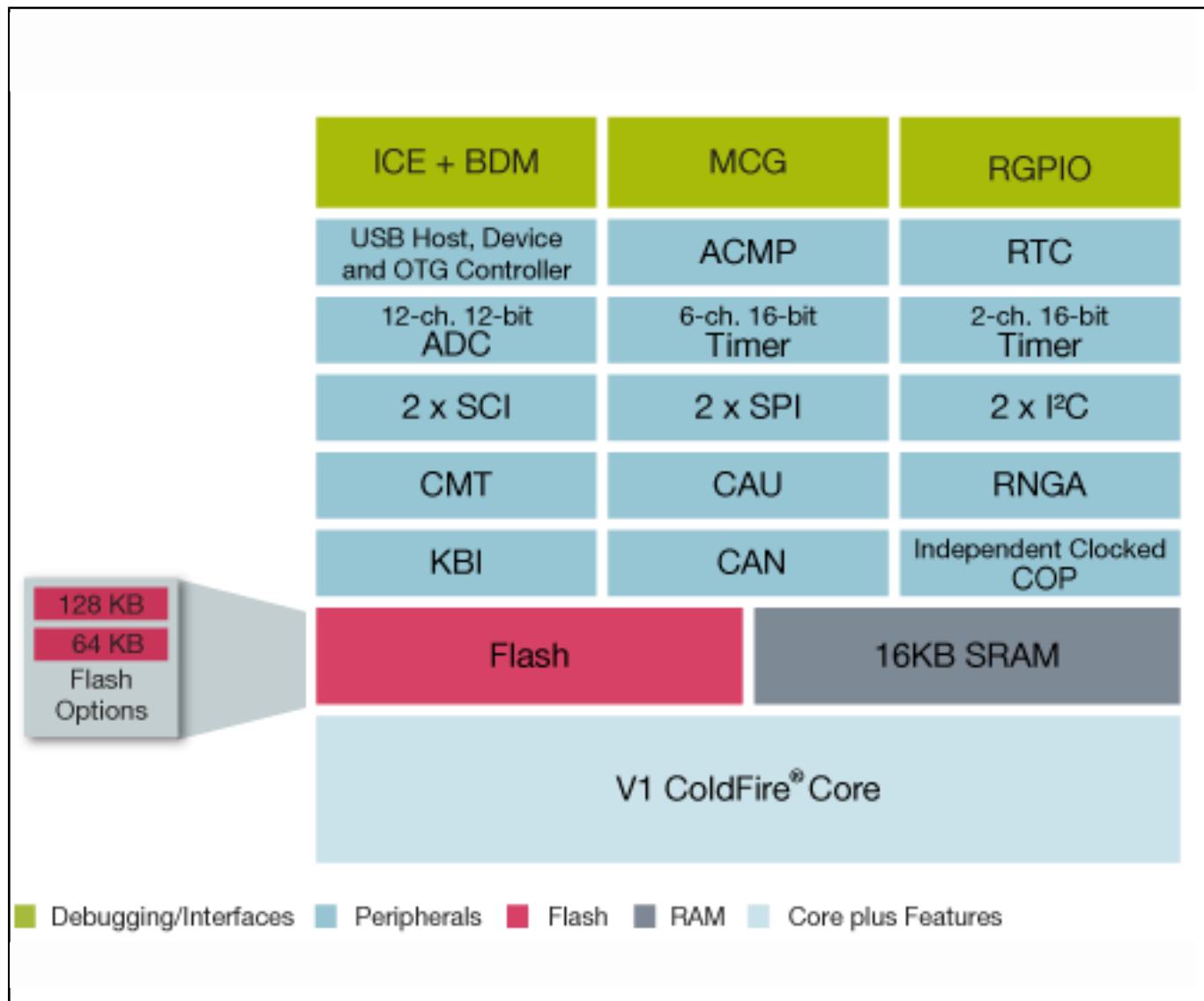
## MCF51JM

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The MCF51JM family is part of the Flexis® microcontroller series, the connection point on Our Controller Continuum where 8-bit and 32-bit compatibility becomes a reality. The Flexis series of devices includes complementary families of 8-bit S08 and 32-bit V1 ColdFire® microcontrollers that have a common set of peripherals and development tools to deliver the ultimate in migration flexibility.

The 32-bit MCF51JM128 further extends the low-end of the ColdFire embedded USB controller family with up to 128 KB of flash memory, a full-speed USB 2.0 controller with host, device and on-the-go (OTG) support, an integrated CAN module and a 12-channel, 12-bit analog-to-digital converter (ADC). The ColdFire JM family also features a hardware cryptographic acceleration unit (CAU), a random number generator accelerator (RNGA) and several system protection features such as low-voltage detect and a computer operating properly (COP) module.

## ColdFire MCF51JM Microcontroller Block Diagram



View additional information for [Flexis 32-Bit V1 ColdFire USB Microcontroller](#).

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