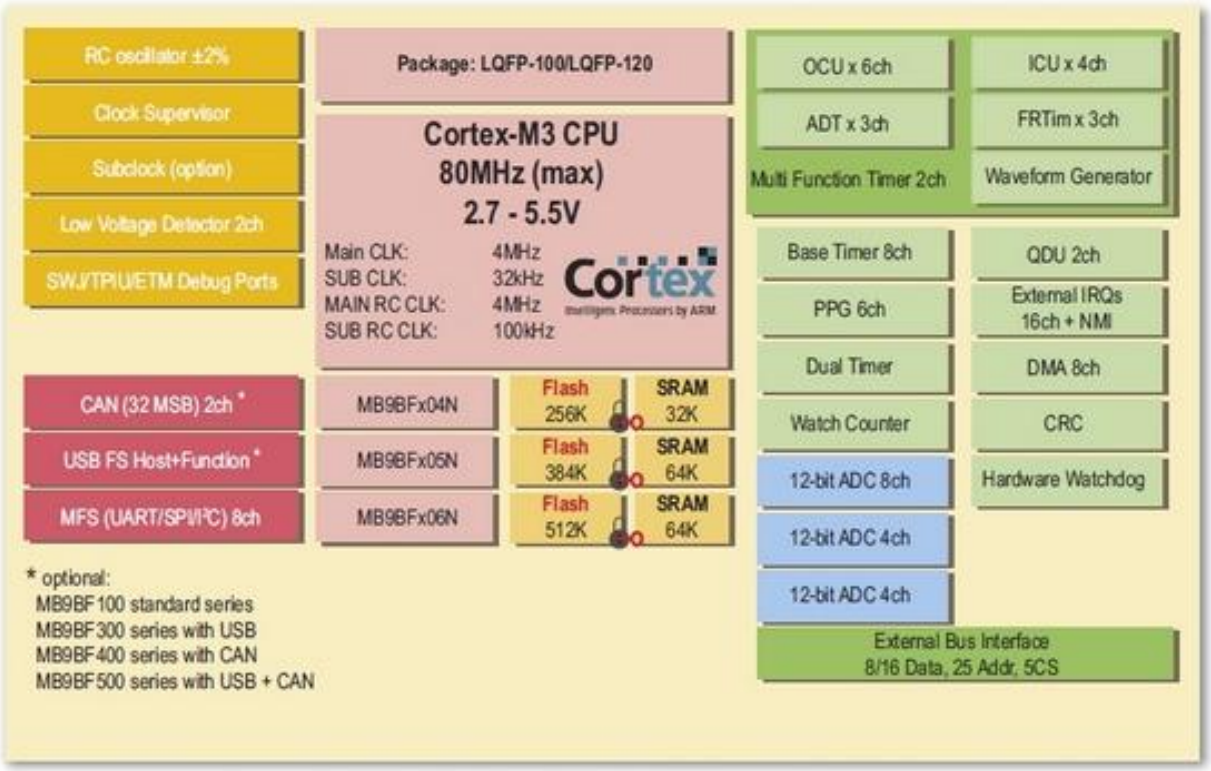
Spoločnosť Fujitsu Semiconductor pridala do svojej ponuky mikrokontrolérov, ďalšiu rodinu - FM3.
Konkrétne ide o 44 kusov MCU s jadrom ARM Cortex-M3.
Vlastnosti

- High Performance
    - High speed operating frequency: Up to 144MHz CPU clock
    - High speed flash: 0 wait states at 60MHz
    - Wide range of power supply voltages supported: 1.8 to 3.6V (low power products) and 2.7 to 5.5V (high performance products)
- High Quality Flash Memory
    - Memory densities up to 1MB flash / 128KB RAM
    - Highly reliable flash memory: 100,000 write/erase cycles, 20 years data retention
    - Flash security function
- Functional safety
    - Internal, trimmed RC oscillator
    - Clock supervisor
    - Two stage (interrupt and reset), programmable LVD (Low Voltage Detector)
    - CRC hardware module
    - MPU (Memory Protection Unit)
- Connectivity
    - Up to 2 channels CAN controller
    - Full Speed USB host & function
    - Ethernet MAC
- Advanced peripherals
    - Multi-function serial (UART, SIO, SPI and I2C)
    - 3 independent (synchronously triggerable) high-speed 12-bit A/D converter
    - Multi-function timer (for motor control)
    - Flexible quadrature decoder unit
    - Base timer (PWM, PWC, PPG and reload timer)
    - 8/16-bit external bus interface with NAND flash support
    - Sub-clock option
    - Very flexible resource relocation
- Debug interface

- JTAG and SWJ debug interfaces

- Embedded Trace Macrocell

Blokové zapojenie



Block diagram of the MB9BF100/MB9BF300/MB9BF400/MB9BF500 series

Odkazy
FM3 Homepage

Distribúcia
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