



# 8-Bit 80C51 5 V Low-Power 64 KB Flash Microcontroller

## P89CV51RD2FA

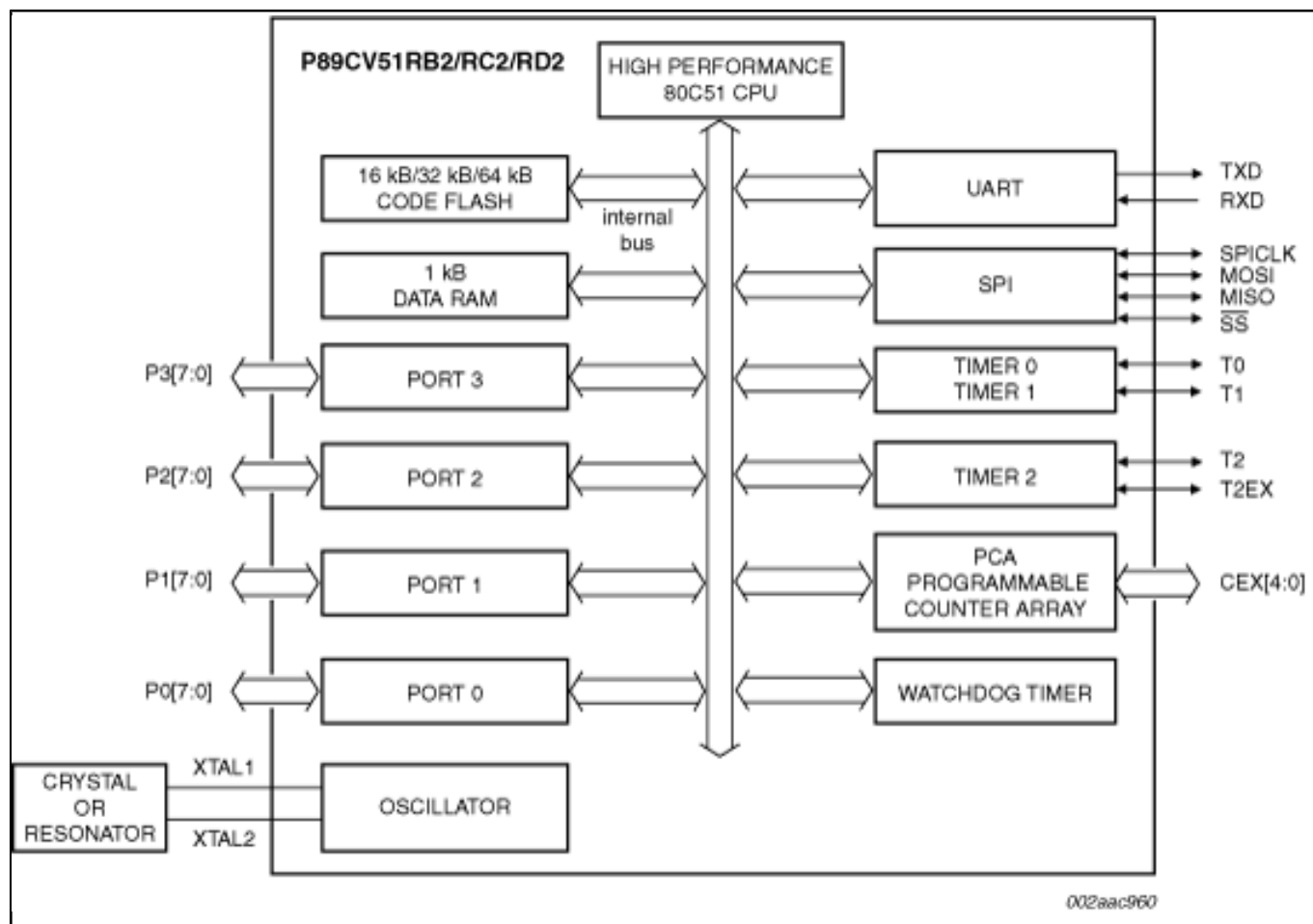
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The P89CV51RB2/RC2/RD2 are three types of 80C51 microcontroller with respectively 16 kB/32 kB/64 kB flash and 1 kB of data RAM. These devices are designed to be drop-in and software-compatible replacements for the popular P89C51RB2/RC2/RD2 devices. Both the In-System Programming (ISP) and In-Application Programming (IAP) boot codes are upward compatible.

Additional features of the P89CV51RB2/RC2/RD2 devices compared to the P89C51RB2/RC2/RD2 are the inclusion of an SPI interface, larger RAM size, and the ability to erase code memory in 128-B page blocks.

The IAP capability combined with the 128-B page size allows for efficient use of the code memory for non-volatile data storage.

**Block diagram: P89CV51RB2FA, P89CV51RB2FBC, P89CV51RC2FA, P89CV51RC2FBC, P89CV51RD2FA, P89CV51RD2FBC Block Diagram**



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