



80C51 8-Bit Microcontroller Family

P87C660X2BBD

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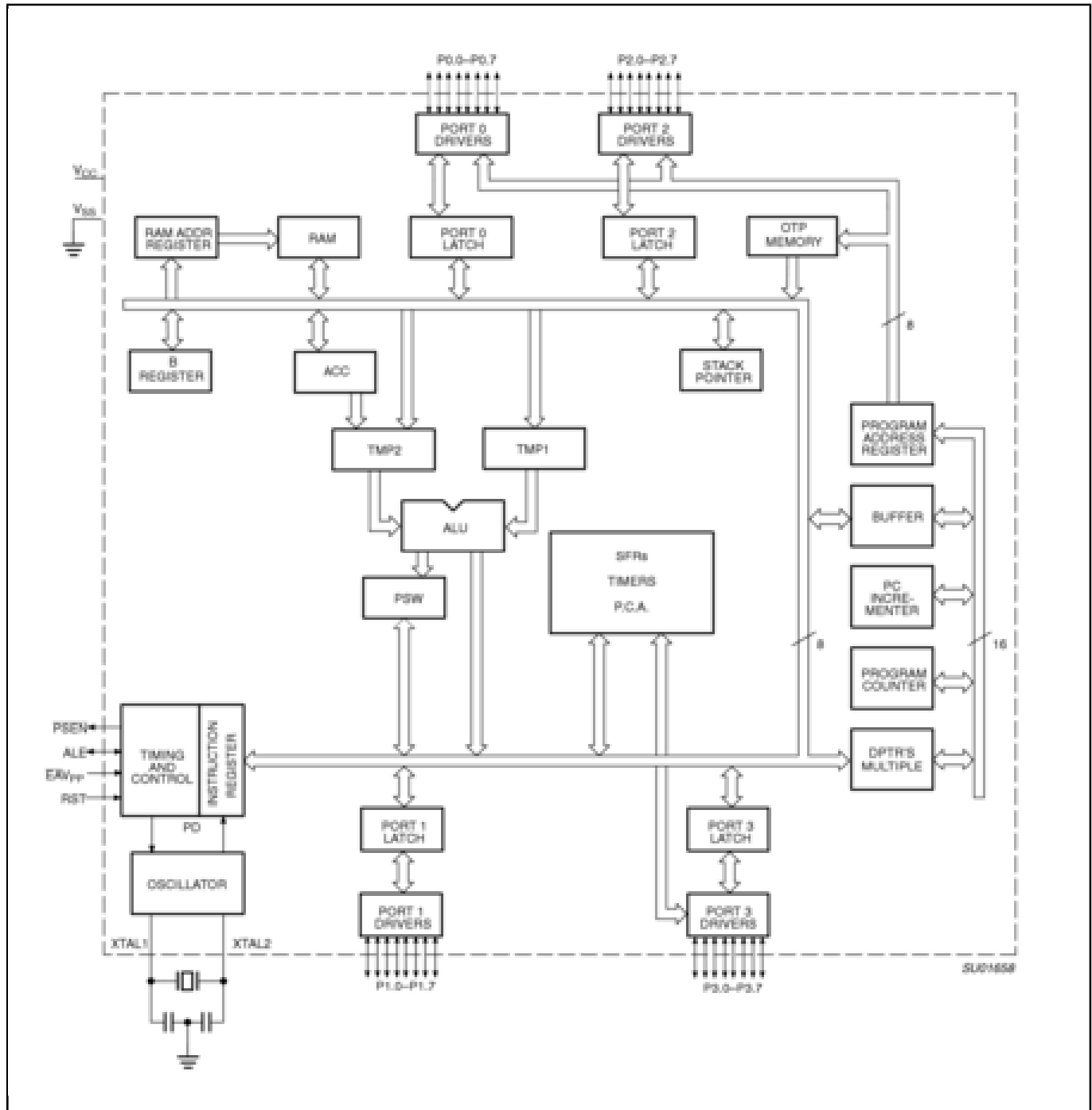
The devices are Single-Chip 8-Bit Microcontrollers manufactured in an advanced CMOS process and are derivatives of the 80C51 microcontroller family. The instruction set is 100pct compatible with the 80C51 instruction set.

The devices support 6-clock/12-clock mode selection by programming an OTP bit (OX2) using parallel programming. In addition, an SFR bit (X2) in the clock control register (CKCON) also selects between 6-clock/12-clock mode.

These devices have either one or two I²C interfaces, capable of handling speeds up to 400 kbits/s (Fast I²C). They also have four 8-bit I/O ports, three 16-bit timer/event counters, a multi-source, four-priority-level, nested interrupt structure, an enhanced UART and on-chip oscillator and timing circuits.

The added features of the P8xC66xX2 make it a powerful microcontroller for applications that require pulse width modulation, high-speed I/O, I²C communication, and up/down counting capabilities such as motor control.

Block diagram: P87C51RA2BA, P87C51RA2FA, P87C51RB2BA, P87C51RB2BBD, P87C51RB2BN Block Diagram



View additional information for [80C51 8-Bit Microcontroller Family](#).

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