

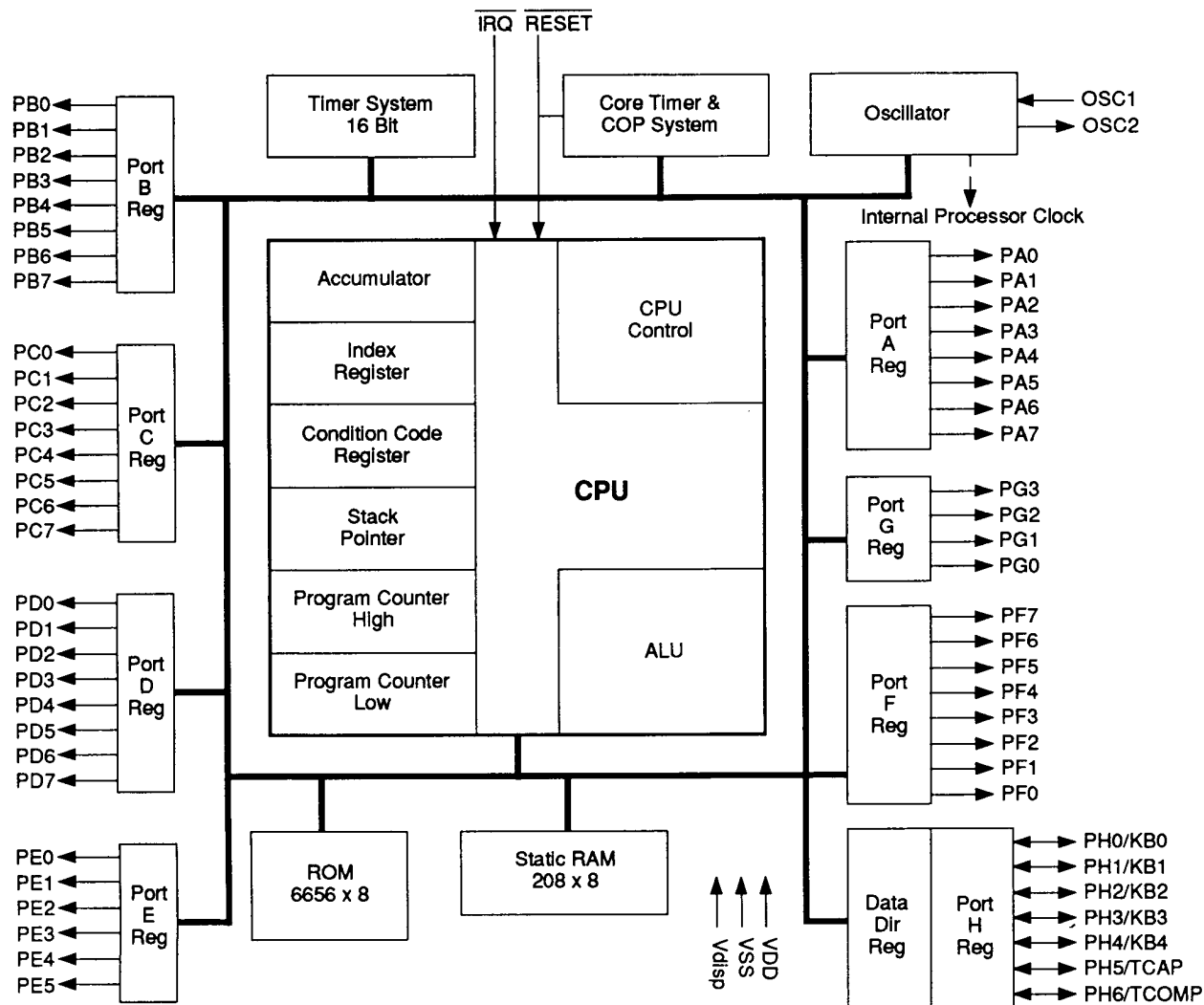
MOTOROLA
SEMICONDUCTOR
TECHNICAL DATA**MC68HC05M6***Product Preview***MC68HC05M6****microcomputer unit with VFD drive capacity**

The MC68HC05M6 (HCMOS) 8-bit microcomputer unit (MCU) is a member of the M68HC05 family of devices. Its special features include 7 high current/high voltage ports which provide a total of 50 output pins; 12 pins are available for Vacuum Fluorescent Display (VFD) grid driving and 38 pins for VFD anode driving. Other features include a 16-bit programmable timer with Input Capture and Output Compare functions and a keyboard interrupt making it suitable for applications which use keypads and displays, for example in TV, Hi Fi, dashboard and display panel applications. The MC68HC05M6 is available in both 68-pin PLCC and 64-pin QFP.

For more detailed information, contact your local Motorola sales office.

- HC05 8-bit core
- 6656 bytes of ROM
- 208 bytes of RAM
- 16-bit timer with Input Capture and Output Compare functions
- Multi-purpose core timer
- Real Time Interrupt (RTI)
- Computer Operating Properly (COP) watchdog timer
- Keyboard interrupt
- 50 output lines (on 7 ports)
- High current / high voltage VFD grid drive on 12 output lines
- High current / high voltage VFD anode drive on 38 output lines
- Power saving WAIT and low power STOP modes
- Available in 68-pin PLCC and 64-pin QFP packages





MC68HC05M6 Block Diagram

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