

Addendum to

MC68(7)05R/U Series
8-Bit Microcomputers
ADI-977

MC68705R3
ONE TIME PROGRAMMABLE
ROM (OTPROM) or Standard Eraseable Programmable
Read-Only Memory (EPROM) Microcomputer

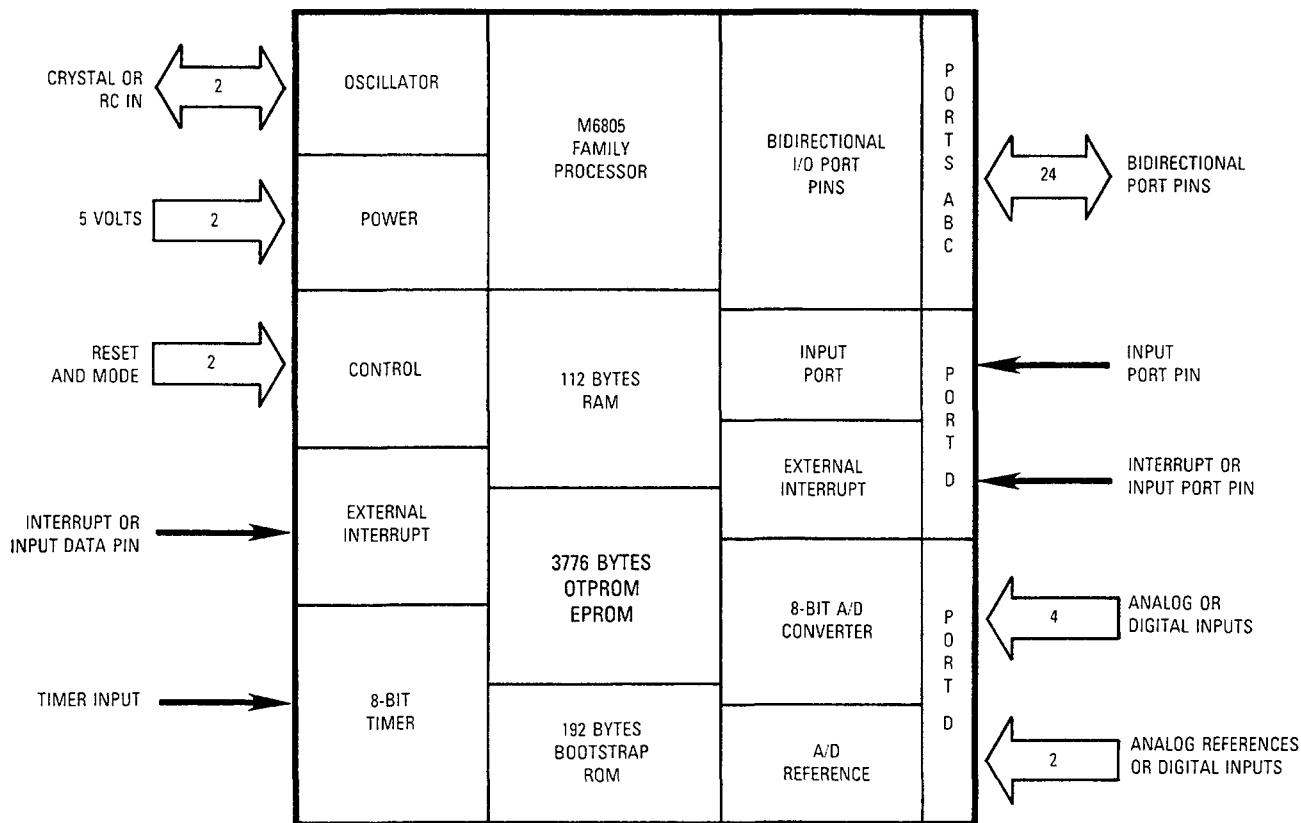
The MC68705R3 One Time Programmable ROM (OTPROM) or Standard Eraseable Programmable Read-Only Memory (EPROM) Microcomputer (MCU) is an advanced 8-bit MCU with sophisticated on-chip peripheral capabilities and is produced in HMOS technology (refer to block diagram).


The following are some of the hardware and software features of the MC68705R3.

- 24 Bidirectional I/O Lines
- 8 Input Lines Only
- 8-Bit A/D Converter
- 3776 Bytes of User OTPROM or EPROM
- 112 Bytes of RAM
- 192 Bytes of Bootstrap ROM
- 8-Bit Timer with 7-Bit Programmable Prescaler
- 5-Volt Single Supply
- Memory Mapped I/O
- Byte Efficient Instruction Set
- True Bit Manipulation
- Bit Test and Branch Instructions
- Powerful Indexed Addressing for Tables
- Full Set of Conditional Branches
- Single Instruction Memory Examine/Change
- 40-Pin Plastic (OTPROM) Package
- 40-Pin DIP (EPROM Window) Package



BLOCK DIAGRAM



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