Motorola 68HC11

This family has about 20 different processors

- Internal RAM 192 - 1024 bytes,
- Internal ROM 0 - 32K bytes
- Internal EEPROM 0 - 640 bytes
- Internal OTPROM (one-time programmable) 0 - 32K bytes
- Serial Communications Interface or Serial Peripheral Interface
- 2 - timers
- Bus frequency 1 - 4 MHz
- 0-8 A/D channels, 8 bits
- 0-4 PWM channels (8 and 16 bit)
- 16 - 62 IO pins
Motorola 68HC11 / - / continued

- Power requirements - 149 - 275 mW
- Mechanical - 68, 80 84 pin
- Product family - extensive
- Processing unit - 8-bit
- Instruction Set - 150+ instructions
- Addressing Modes - 6 (immediate, direct, indexed(2), inherent, relative)
- Price $9 - $11
Figure 1-1 Block Diagram

Motorola 68HC11 / - / Block Diagram
Motorola 68HC11 / - / Programmer’s Model

Figure 1-2 M68HC11 Programmer’s Model