

1.6 Pin Assignments

Figure 1-2 shows the MC68HC05J1A pin assignments.

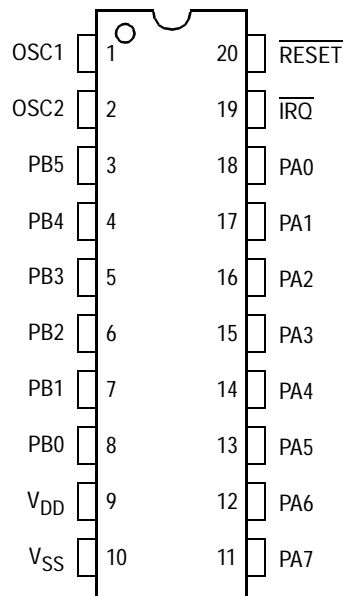


Figure 1-2. Pin Assignments

1.6.1 V_{DD} and V_{SS}

V_{DD} and V_{SS} are the power supply and ground pins. The MCU operates from a single 5-V power supply.

Very fast signal transitions occur on the MCU pins, placing high short-duration current demands on the power supply. To prevent noise problems, take special care to provide good power supply bypassing at the MCU. Place bypass capacitors as close to the MCU as possible, as **Figure 1-3** shows. C2 is an optional bulk current bypass capacitor for use in applications that require the port pins to source high current levels.