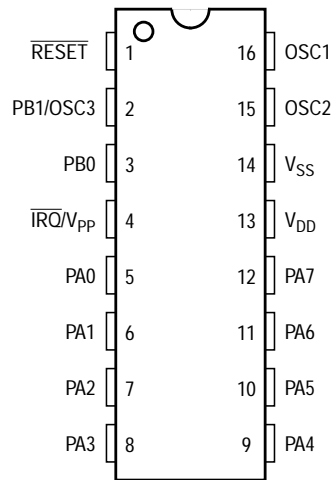


## 1.6 Pin Assignments

**Figure 1-2** shows the MC68HC705K1 pin assignments.

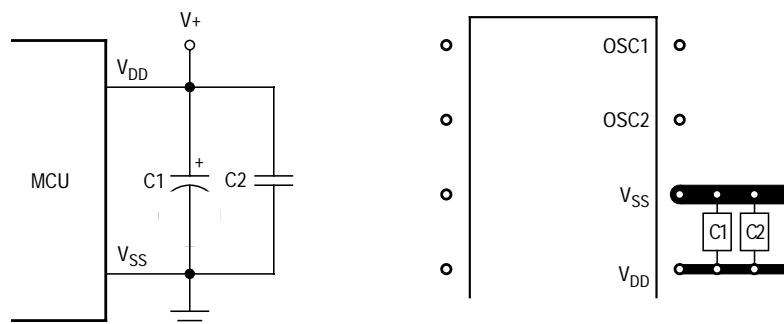


**Figure 1-2. Pin Assignments**

### 1.6.1 V<sub>DD</sub> and V<sub>SS</sub>

V<sub>DD</sub> and V<sub>SS</sub> are the power supply and ground pins. The MCU operates from a single 5-volt 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.



**Figure 1-3. Bypassing Layout Recommendation**