

SECTION 2 PIN DESCRIPTIONS

Section 2 details the MC68HC05P9 pin assignments and describes the function of each pin.

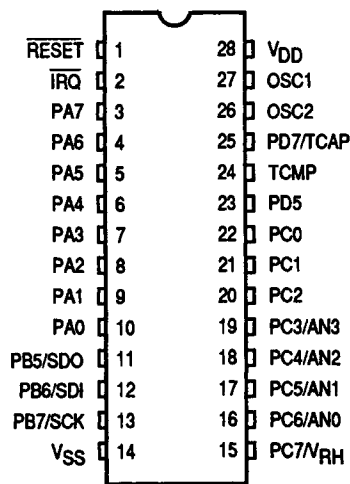


Figure 2-1. Pin Assignments

2.1 V_{DD} and V_{SS}

Power is supplied to the MCU through V_{DD} and V_{SS}. V_{DD} is the power supply, and V_{SS} is ground. The MCU operates from a single 5-volt (nominal) power supply.

Very fast signal transitions occur on the MCU pins. The short rise and fall times place very 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. Use bypass capacitors with good high-frequency characteristics, and position them as close to the MCU as possible. Bypassing requirements vary, depending on how heavily the MCU pins are loaded.