

Pin descriptions

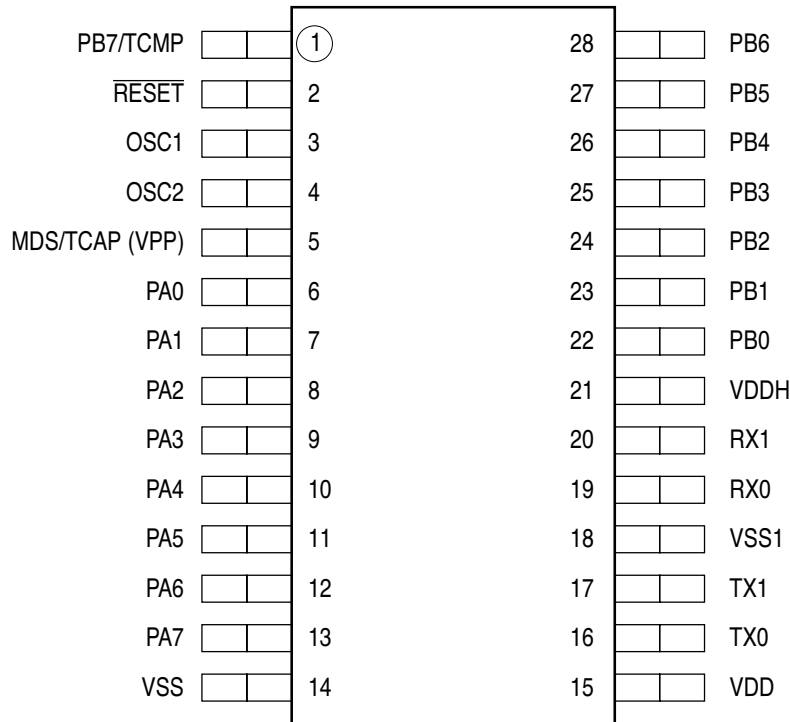


Figure 6. 28-pin SOIC pinout

VDD and VSS

Power is supplied to the microcomputer via these two pins. VDD is the positive supply and VSS is ground.

It is in the nature of CMOS designs that very fast signal transitions occur on the MCU pins. These short rise and fall times place very high short-duration current demands on the power supply. To prevent noise problems, special care must be taken to provide good power supply by-passing at the MCU. By-pass capacitors should have good high-frequency characteristics and be as close to the MCU as possible. By-passing requirements vary, depending on how heavily the MCU pins are loaded.