

3.3-Volt Regulator Board Installation

This section describes the installation of the 3.3-volt regulator board used for the Intel®DX4 processor. The Intel®DX4 processor is a new member of the Intel® 486 processor family based on the Intel® 486DX2 processor core. It offers features such as System Management Mode (SMM) and Stop Clock Mode ideal for power management function. Its internal core frequency can operate up to maximum of 100MHz. It also operates with a 3.3-volt (Vcc) supply. If the onboard 3.3-volt regulator is not present, the 3.3-volt regulator must be installed before using the Intel®DX4 processor. Please refer to the steps below on how to install the 3.3-volt regulator. Please also refer to page 2-2 for the correct CPU jumper selection.

→ **NOTE :** If you do not install the daughter board, you must set connector J25's pin 1-2 and pin 15-16 to be shorted for booting up.

1. Remove jumpers from connector J25.
2. Place the 3.3-volt regulator board as shown on the figure below with the correct pin orientation.

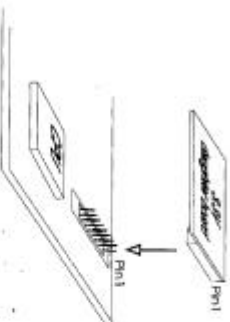


Figure 2-2 3.3-Volt Regulator Board Installation

486-VIP-IO

Chapter 3

Memory Subsystem

The 486-VIP-IO is equipped with the memory necessary for running all your applications. Memory comes in the form of DRAM (SIMMs) and cache SRAM. This chapter describes these two kinds of memory and gives instructions on how to install each kind on the mainboard.

Memory Locations

The board layout below shows the locations of the DRAM memory banks and the cache SRAM:

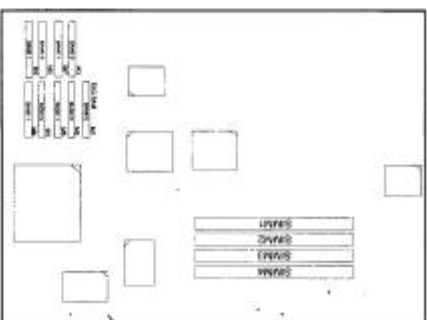


Figure 3-1 Cache and Memory Locations

486-VIP-IO