S370-DL

CPU Card

Installation Guide

/ISUS ®

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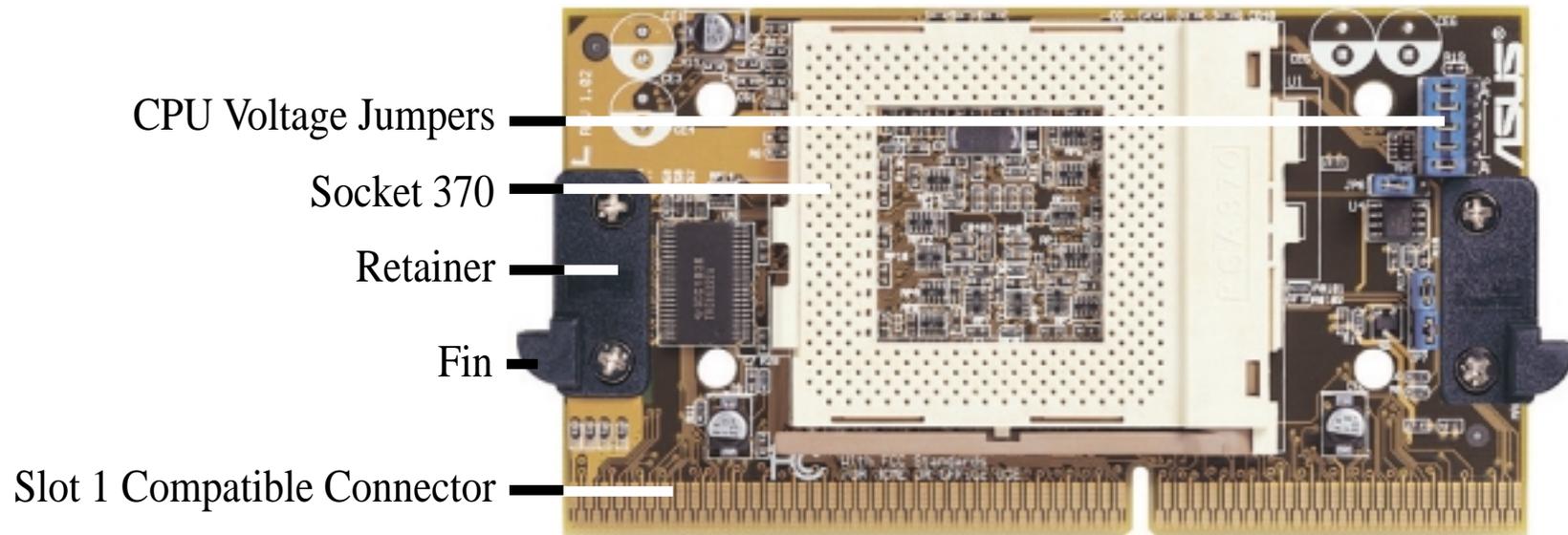FTP: ftp.asuscom.de/pub/ASUSCOM

Introduction

The ASUS S370-DL CPU card allows Slot 1 motherboards to accept socket 370 processors with Front Side Bus running at up to 133MHz. The S370-DL CPU card supports single Coppermine/Celeron and dual Coppermine/Celeron (PPGA only) processors to give Slot 1 motherboard owners an inexpensive way to upgrade their Pentium II/III computers using lower costing socket 370 processors. Since socket 370 processors are designed on the Pentium II/III design, the only difference is the package form factor. Additionally, the S370-DL CPU card can acquire temperature data from the processor's thermal diode and send it to the motherboard that supports CPU thermal monitoring.

The following page displays a picture of the ASUS S370-DL CPU card with black plastic retainers attached to the edges. The retainers are used to hold the ASUS S370-DL CPU card in place using the motherboard's Slot 1 retention mechanisms.

ASUS S370-DL CPU Card

CPU Voltage Jumpers

Socket 370

Retainer

Fin

Slot 1 Compatible Connector

Using the S370-DL CPU card

The general procedure for using the ASUS S370-DL CPU card:

1. Check the voltage setting for your socket 370 processor using the jumpers on the card if necessary. For current socket 370 processors, the default setting should be used.
2. Install the socket 370 processor. Lift the brown lever to 90° to install the processor and lower the brown lever to lock the processor.
3. Install the CPU fan heatsink.
4. Mount the ASUS S370-DL CPU card over Slot 1 on the motherboard. The two fins on the sides of the ASUS S370-DL CPU card must catch on the retention mechanism so that it locks in place.
5. Connect the processor's fan power connector to the motherboard.
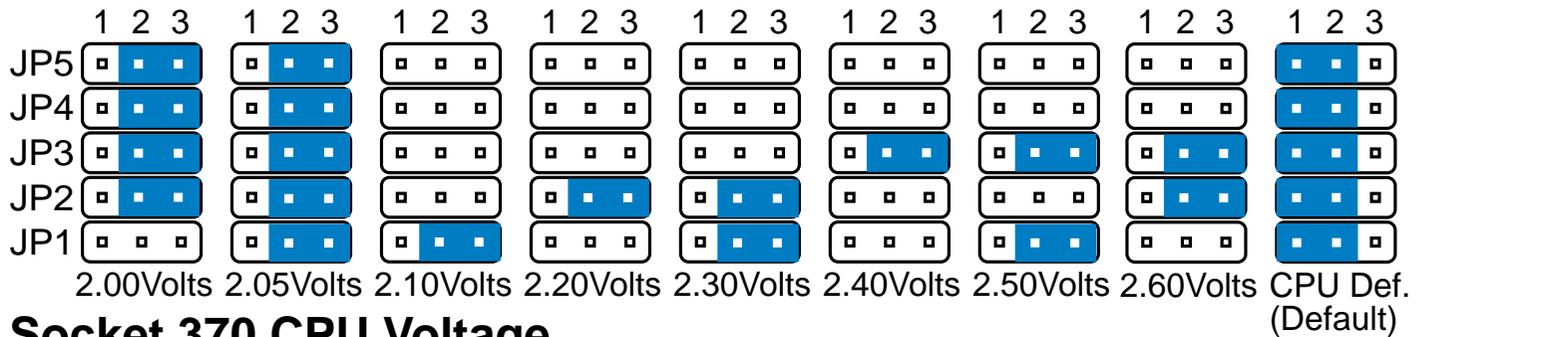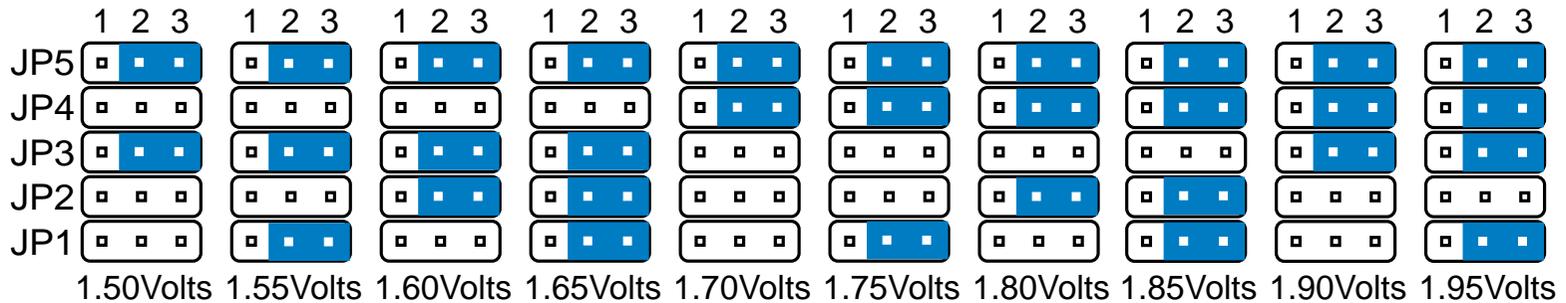6. Make sure that no wires or objects come in contact with the fan.

Setting up the S370-DL CPU card

Setting the CPU voltage is *not* necessary for current socket 370 processors. If required, your socket 370 processor should have its voltage requirement printed on its surface or documentation. If no voltage is indicated or you are not sure, use the "CPU Def." setting as shown on the next page. Notice that **JP7** should be configured to distinguish between Coppermine and Celeron processors.

WARNING! Exceeding your socket 370 processor's required voltage can damage your processor permanently! Make sure that the jumpers are as shown for "CPU Def." unless otherwise specified before powering on your motherboard.

JP7
4 3 2 1
Using Coppermine Processors (Default)

JP7
4 3 2 1
Using Celeron Processors

JP5 JP4 JP3 JP2 JP1

1.50Volts 1.55Volts 1.60Volts 1.65Volts 1.70Volts 1.75Volts 1.80Volts 1.85Volts 1.90Volts 1.95Volts

JP5 JP4 JP3 JP2 JP1

2.00Volts 2.05Volts 2.10Volts 2.20Volts 2.30Volts 2.40Volts 2.50Volts 2.60Volts CPU Def. (Default)

Socket 370 CPU Voltage

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S370-DL CPU Card

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