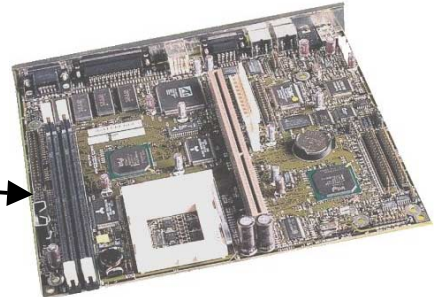


CPU

The Trimond PCL5100 LPX motherboard uses Intel's 430TX PCI chipset to support the following 60/66MHz Front Side Bus Socket 7 CPU types: Pentium®, Pentium® MMX™, AMD K6 Classic, AMD K6-2 (66MHz FSB only), IDT WinChip and Cyrix M2.

Processor core multipliers can be set using the jumpers which make up **PL19**.

PL19



The following table shows supported processors with their configuration jumper settings.

| Processor | PL18 | BF2 | BF1 | BF0 | FS | PW3 | PW2 | PW1 | PW0 | Core V |
|--------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| Intel Pentium 90 (90/60) | X | OUT | 1 | 1 | IN | IN | IN | IN | IN | 3.52 |
| Intel Pentium 100 (100/66) | X | OUT | 1 | 1 | OUT | IN | IN | IN | IN | 3.52 |
| Intel Pentium 120 (120/60) | X | OUT | 1 | 0 | IN | IN | IN | IN | IN | 3.52 |
| Intel Pentium 133 (133/66) | X | OUT | 1 | 0 | OUT | IN | IN | IN | IN | 3.52 |
| Intel Pentium 150 (150/60) | X | OUT | 0 | 0 | IN | IN | IN | IN | IN | 3.52 |
| Intel Pentium 166 (166/66) | X | OUT | 0 | 0 | OUT | IN | IN | IN | IN | 3.52 |
| Intel Pentium 200 (200/66) | X | OUT | 0 | 1 | OUT | IN | IN | IN | IN | 3.52 |
| Intel Pentium MMX 166 (166/66) | OUT | OUT | 0 | 0 | OUT | IN | OUT | OUT | OUT | 2.8 |
| Intel Pentium MMX 200 (200/66) | OUT | OUT | 0 | 1 | OUT | IN | OUT | OUT | OUT | 2.8 |
| Intel Pentium MMX 233 (233/66) | OUT | OUT | 1 | 1 | OUT | IN | OUT | OUT | OUT | 2.8 |
| AMD-K6-166 model 6 (166/66) | OUT | OUT | 0 | 0 | OUT | IN | OUT | OUT | IN | 2.9 |
| AMD-K6-200 model 6 (200/66) | OUT | OUT | 0 | 1 | OUT | IN | OUT | OUT | IN | 2.9 |
| AMD-K6-233 model 6 (233/66) | OUT | OUT | 1 | 1 | OUT | IN | IN | OUT | OUT | 3.2 |
| AMD-K6/233 model 7 (233/66) | OUT | OUT | 1 | 1 | OUT | OUT | OUT | IN | OUT | 2.2 |
| AMD-K6/266 model 7 (266/66) | OUT | IN | 1 | 0 | OUT | OUT | OUT | IN | OUT | 2.2 |
| AMD-K6/300 model 7 (300/66) * | OUT | IN | 0 | 0 | OUT | OUT | OUT | IN | OUT | 2.2 |
| AMD-K6-2/266 model 8 (266/66) | OUT | IN | 1 | 0 | OUT | OUT | OUT | IN | OUT | 2.2 |
| IDT WinChip C6 180MHz (180/60) | X | OUT | 0 | 1 | IN | IN | IN | IN | IN | 3.52 |
| IDT WinChip C6 200MHz (200/66) | X | OUT | 0 | 1 | OUT | IN | IN | IN | IN | 3.52 |
| IDT WinChip C6 240MHz (240/60) | X | IN | 1 | 0 | IN | IN | IN | IN | IN | 3.52 |
| IDT WinChip2-200 (200/66) | X | OUT | 0 | 1 | OUT | IN | IN | IN | IN | 3.52 |
| IDT WinChip2-233 (233/66) | X | OUT | 1 | 1 | OUT | IN | IN | IN | IN | 3.52 |
| IDT WinChip2-240 (240/60) | X | IN | 1 | 0 | IN | IN | IN | IN | IN | 3.52 |
| IDT WinChip2-266 (266/66) | X | IN | 1 | 0 | OUT | IN | IN | IN | IN | 3.52 |
| Cyrix M II-300 (233/66) | OUT | OUT | 1 | 1 | OUT | IN | OUT | OUT | IN | 2.9 |

"PW3" (PL202) and PL18 are located near the CPU

* requires special board build

X = don't care

RAM

Two DIMM sockets accept gold-edged 64-bit unbuffered **66Mhz SDRAM** modules with **SPD** (serial presence detect) or **60ns EDO** DIMMs.

Supported sizes: **16MB, 32MB, 64MB, 128MB**. Populate DIMM sockets in any order to a maximum of 256MB.

Approved vendors: Please see the current list at <http://www.trimond.com/shared/reference.asp>.

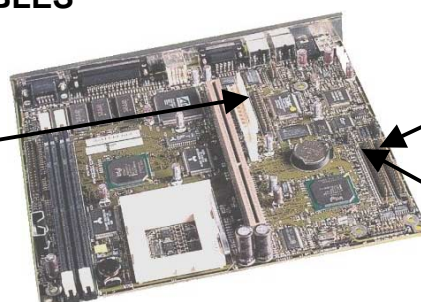
KEYBOARD & MOUSE

Positions of keyboard and mouse are described on the motherboard.

FLOPPY & IDE CONNECTORS & CABLES

IDE cables must not exceed 12".

Floppy connector pin 1



Primary IDE pin 1

Secondary IDE pin 1

PSU

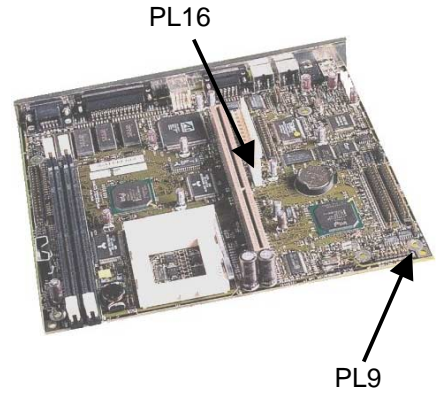
Trimond motherboards are designed to be connected to a **soft-switch PSU**, with 5V standby.

The 5V standby current is provided via the PSU control connector, **PL16**.

If the 5V standby current is insufficient, the PSU may deregulate and possibly damage the motherboard. Ensure that at least **30mA** is available to the 5V standby output.

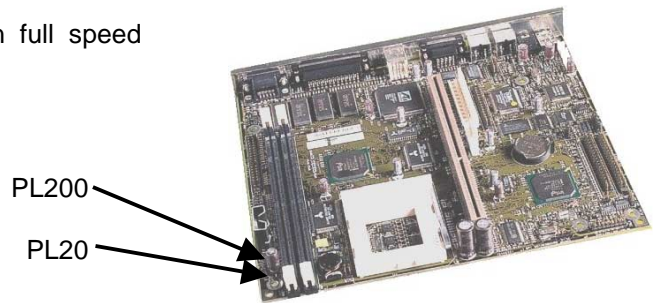
If you wish to use a **hard-switch PSU**, it will be necessary to provide 5V standby by some other means, and also to change a flag in the manufacturer settings of the BIOS. Please contact the Motherboard Division for full instructions.

The ON/OFF power connector is part of **PL9** and is marked "**PWR SW**" on the board.



COOLING

Both **PL20 "Fan 1"** and **PL200 "Fan 2"** are three-pin full speed system tachofan connectors.



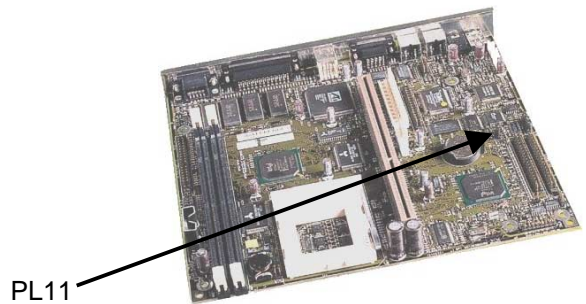
PHOENIX BIOS & CMOS

BIOS updates are available from our web site. Please see *Documentation & Drivers* below for further details.

The port 80 codes for Phoenix BIOS 4.0 Rel 6.1 can be obtained from our web site:

<http://www.trimond.com/shared/reference.asp>

CMOS may be cleared using **PL11**. Remove AC mains. Move jumper from pins 1-2 (default) to 2-3 for 3 seconds. Return jumper to original position.

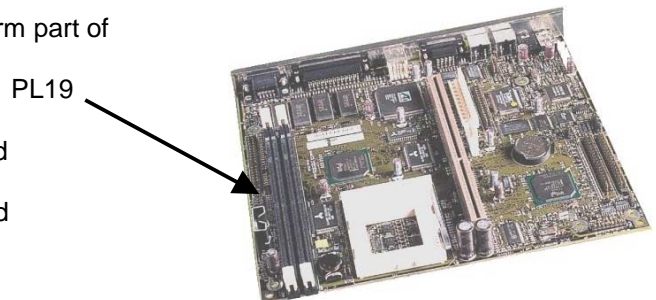


VIDEO & AUDIO JUMPERS

Jumpers to selectively disable onboard audio and video form part of **PL19** as follows:

"AUD" jumper fitted = enabled / jumper removed = disabled

"VGA" jumper fitted = enabled / jumper removed = disabled



DOCUMENTATION & DRIVERS

Supporting documentation, drivers and BIOS updates are available from our web site as follows:

<http://www.trimond.com>

- Click on the "Products" left menu item
- Click on PCL5100 in the product table
- Click on the "Motherboard Resources" link