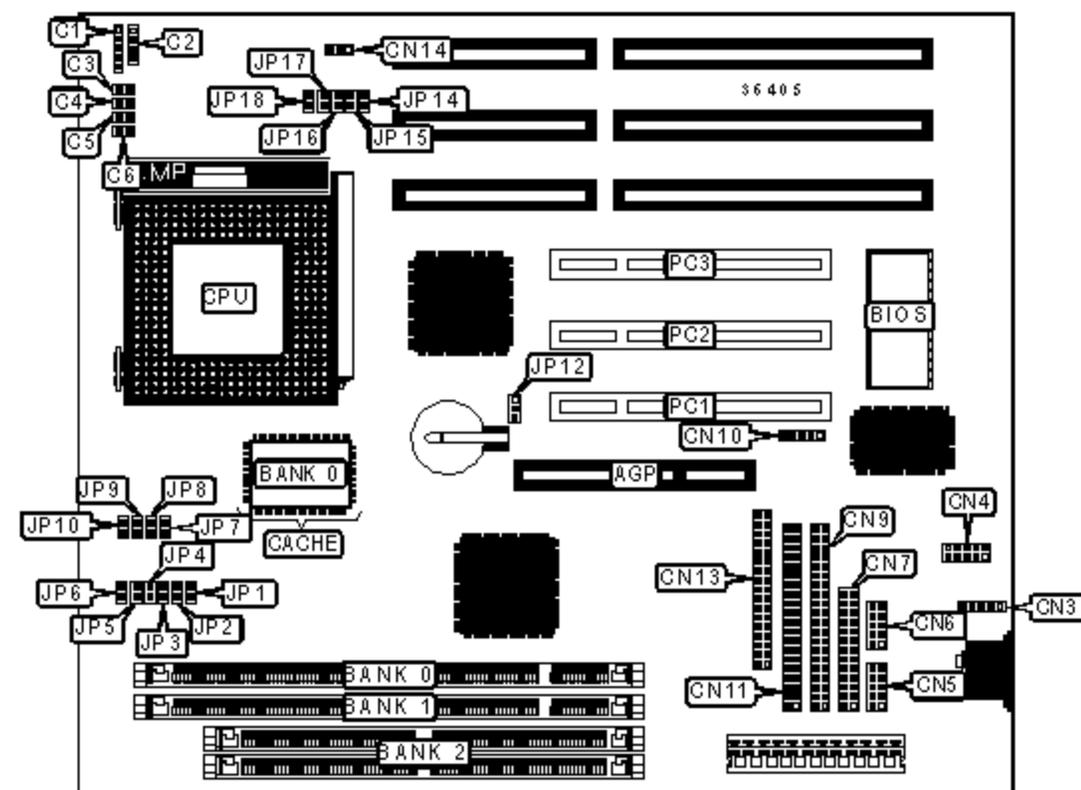


## PT-5VML

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/  CX MII/AM K5/AM K6/AM K6-2/AM K6 3D/IDT C6/Pentium/  Pentium MMX
<b>Processor Speed</b>	90/100/120/133/150/166/200/225/233/240/266/300/MHz
<b>Chip Set</b>	VIA MVP3
<b>Maximum Onboard Memory</b>	1GB (EDO & SDRAM supported)
<b>Cache</b>	512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	220mm x 220mm
<b>I/O Options</b>	32-bit PCI slots port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector, AGP slot



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Serial port 1	CN5
Power LED & keylock	C1	Serial port 2	CN6
Speaker	C2	Parallel port	CN7
Green PC connector	C3	IDE interface 2	CN9
Turbo LED	C4	IR connector	CN10
IDE interface LED	C5	IDE interface 1	CN11

Reset switch	C6	Floppy drive interface	CN13
PS/2 mouse interface	CN3	CPU fan power	CN14
USB connector	CN4	32-bit PCI slots	PC1 - PC4

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP12	Pins 1 & 2 closed
	CMOS memory clear	JP12	Pins 2 & 3 closed

### SIMM CONFIGURATION

Size	Bank 2
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
256MB	(2) 32M x 36
512MB	(2) 64M x 36

Note: Board accepts EDO memory.

### DIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None

32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64

### DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1
256MB	(1) 16M x 64	(1) 16M x 64
256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64

Note: Board accepts SDRAM memory.

**SDRAM CLOCK SELECTION**

Setting	JP7	JP8
SDRAM clock = CPU clock	Open	Closed
SDRAM clock = AGP clock	Closed	Open

**CACHE CONFIGURATION**

Size	Bank 0
512KB	(1) 64K x 64

**CPU SPEED SELECTION (CX 6X86)**

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
150MHz	60MHz	2x	Closed	Closed	Closed	Closed
166MHz	66MHz	2x	Open	Closed	Closed	Closed
200MHz	75MHz	2x	Closed	Closed	Open	Closed

**CPU SPEED SELECTION (CX 6X86, CON'T)**

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
150MHz	60MHz	2x	Open	Open	Closed	Closed
166MHz	66MHz	2x	Open	Open	Closed	Closed
200MHz	75MHz	2x	Open	Open	Open	Open

**CPU SPEED SELECTION (IBM 6X86)**

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
150MHz	60MHz	2x	Closed	Closed	Closed	Closed
166MHz	66MHz	2x	Open	Closed	Closed	Closed
200MHz	75MHz	2x	Closed	Closed	Open	Closed

**CPU SPEED SELECTION (IBM 6X86, CON'T)**

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
150MHz	60MHz	2x	Open	Open	Closed	Closed
166MHz	66MHz	2x	Open	Open	Closed	Closed
200MHz	75MHz	2x	Open	Open	Open	Open

**CPU SPEED SELECTION (CX 6X86L)**

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
150MHz	60MHz	2x	Closed	Closed	Closed	Closed
166MHz	66MHz	2x	Open	Closed	Closed	Closed
200MHz	75MHz	2x	Closed	Closed	Open	Closed

**CPU SPEED SELECTION (CX 6X86, CON'TL)**

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
150MHz	60MHz	2x	Open	Open	Closed	Closed
166MHz	66MHz	2x	Open	Open	Closed	Closed
200MHz	75MHz	2x	Open	Open	Open	Open

**CPU SPEED SELECTION (IBM 6X86L)**

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
150MHz	60MHz	2x	Closed	Closed	Closed	Closed
166MHz	66MHz	2x	Open	Closed	Closed	Closed
200MHz	75MHz	2x	Closed	Closed	Open	Closed

**CPU SPEED SELECTION (IBM 6X86L, CON'T)**

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
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150MHz	60MHz	2x	Open	Open	Closed	Closed
166MHz	66MHz	2x	Open	Open	Closed	Closed
200MHz	75MHz	2x	Open	Open	Open	Open

<b>CPU SPEED SELECTION (CX 6X86MX)</b>						
<b>CPU speed</b>	<b>Clock speed</b>	<b>Multiplier</b>	<b>JP1</b>	<b>JP2</b>	<b>JP3</b>	<b>JP4</b>
166MHz	66MHz	2x	Open	Closed	Closed	Closed
200MHz	75MHz	2x	Closed	Closed	Open	Closed
200MHz	66MHz	2.5x	Open	Closed	Closed	Closed
233MHz	75MHz	2.5x	Closed	Closed	Open	Closed
233MHz	66MHz	3x	Open	Closed	Closed	Open
266MHz	83MHz	2.5x	Open	Closed	Open	Closed

<b>CPU SPEED SELECTION (CX 6X86MX, CON'T)</b>						
<b>CPU speed</b>	<b>Clock speed</b>	<b>Multiplier</b>	<b>JP5</b>	<b>JP6</b>	<b>JP9</b>	<b>JP10</b>
166MHz	66MHz	2x	Open	Open	Closed	Closed
200MHz	75MHz	2x	Open	Open	Open	Open
200MHz	66MHz	2.5x	Closed	Open	Closed	Closed
233MHz	75MHz	2.5x	Closed	Open	Open	Open
233MHz	66MHz	3x	Closed	Open	Closed	Closed
266MHz	83MHz	2.5x	Closed	Open	Open	Open

<b>CPU SPEED SELECTION (IBM 6X86MX)</b>						
<b>CPU speed</b>	<b>Clock speed</b>	<b>Multiplier</b>	<b>JP1</b>	<b>JP2</b>	<b>JP3</b>	<b>JP4</b>
166MHz	66MHz	2x	Open	Closed	Closed	Closed
200MHz	75MHz	2x	Closed	Closed	Open	Closed
200MHz	66MHz	2.5x	Open	Closed	Closed	Closed

233MHz	75MHz	2.5x	Closed	Closed	Open	Closed
233MHz	66MHz	3x	Open	Closed	Closed	Open
266MHz	83MHz	2.5x	Open	Closed	Open	Closed

#### CPU SPEED SELECTION (IBM 6X86MX, CON'T)

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
166MHz	66MHz	2x	Open	Open	Closed	Closed
200MHz	75MHz	2x	Open	Open	Open	Open
200MHz	66MHz	2.5x	Closed	Open	Closed	Closed
233MHz	75MHz	2.5x	Closed	Open	Open	Open
233MHz	66MHz	3x	Closed	Open	Closed	Closed
266MHz	83MHz	2.5x	Closed	Open	Open	Open

#### CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
266MHz	83MHz	2.5x	Open	Closed	Open	Closed
300MHz	66MHz	3.5x	Open	Closed	Closed	Open
300MHz	75MHz	3x	Closed	Closed	Open	Open

#### CPU SPEED SELECTION (CX MII, CON'T)

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
266MHz	83MHz	2.5x	Closed	Open	Open	Open
300MHz	66MHz	3.5x	Open	Open	Closed	Closed
300MHz	75MHz	3x	Closed	Open	Open	Open

#### CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
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CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
180MHz	60MHz	3x	Closed	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Closed	Open
225MHz	75MHz	3x	Closed	Closed	Open	Open
240MHz	60MHz	4x	Closed	Closed	Closed	Closed

#### CPU SPEED SELECTION (IDT C6, CON'T)

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
180MHz	60MHz	3x	Closed	Open	Closed	Closed
200MHz	66MHz	3x	Closed	Open	Closed	Closed
225MHz	75MHz	3x	Closed	Open	Open	Open
240MHz	60MHz	4x	Open	Closed	Closed	Closed

#### CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
90MHz	60MHz	1.5x	Closed	Closed	Closed	Open
100MHz	66MHz	1.5x	Open	Closed	Closed	Open
120MHz	60MHz	1.5x	Closed	Closed	Closed	Open
133MHz	66MHz	1.5x	Open	Closed	Closed	Open
150MHz	60MHz	2.5x	Closed	Closed	Closed	Closed
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed

#### CPU SPEED SELECTION (AM K5, CON'T)

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
90MHz	60MHz	1.5x	Open	Open	Closed	Closed
100MHz	66MHz	1.5x	Open	Open	Closed	Closed
120MHz	60MHz	1.5x	Open	Open	Closed	Closed
133MHz	66MHz	1.5x	Open	Closed	Closed	Open

133MHz	66MHz	1.5x	Open	Closed	Closed	Open
150MHz	60MHz	2.5x	Closed	Open	Closed	Closed
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed

### CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed
200MHz	66MHz	3x	Open	Closed	Closed	Open
233MHz	66MHz	3.5x	Open	Closed	Closed	Open
266MHz	66MHz	4x	Open	Closed	Closed	Closed
300MHz	66MHz	4.5x	Open	Closed	Closed	Closed

### CPU SPEED SELECTION (AM K6, CON'T)

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed
200MHz	66MHz	3x	Closed	Open	Closed	Closed
233MHz	66MHz	3.5x	Open	Open	Closed	Closed
266MHz	66MHz	4x	Open	Closed	Closed	Closed
300MHz	66MHz	4.5x	Closed	Closed	Closed	Closed

### CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
300MHz	66MHz	4.5x	Open	Closed	Closed	Closed

### CPU SPEED SELECTION (AM K6-2, CON'T)

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
300MHz	66MHz	4.5x	Closed	Closed	Closed	Closed

**CPU SPEED SELECTION (AM K6 3D)**

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
300MHz	66MHz	4.5x	Open	Closed	Closed	Closed

**CPU SPEED SELECTION (AM K6 3D, CON'T)**

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
300MHz	66MHz	4.5x	Closed	Closed	Closed	Closed

**CPU SPEED SELECTION (INTEL)**

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
90MHz	60MHz	1.5x	Closed	Closed	Closed	Open
100MHz	66MHz	1.5x	Open	Closed	Closed	Open
120MHz	60MHz	2x	Closed	Closed	Closed	Closed
133MHz	66MHz	2x	Open	Closed	Closed	Closed
150MHz	60MHz	2.5x	Closed	Closed	Closed	Closed
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed
200MHz	66MHz	3x	Open	Closed	Closed	Open

**CPU SPEED SELECTION (INTEL, CON'T)**

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
90MHz	60MHz	1.5x	Open	Open	Closed	Closed
100MHz	66MHz	1.5x	Open	Open	Closed	Closed
120MHz	60MHz	2x	Open	Open	Closed	Closed
133MHz	66MHz	2x	Open	Open	Closed	Closed
150MHz	60MHz	2.5x	Closed	Open	Closed	Closed
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed

200MHz	66MHz	3x	Closed	Open	Closed	Closed
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**CPU SPEED SELECTION (INTEL MMX)**

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4
166MHz	66MHz	2.5x	Open	Closed	Closed	Closed
200MHz	66MHz	3x	Open	Closed	Closed	Open
233MHz	66MHz	3.5x	Open	Closed	Closed	Open

**CPU SPEED SELECTION (INTEL MMX, CON'T)**

CPU speed	Clock speed	Multiplier	JP5	JP6	JP9	JP10
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed
200MHz	66MHz	3x	Closed	Open	Closed	Closed
233MHz	66MHz	3.5x	Open	Open	Closed	Closed

**CPU VOLTAGE SELECTION**

Voltage	JP14	JP15	JP16	JP17	JP18
1.6v	Open	Closed	Closed	Open	Closed
1.7v	Open	Open	Open	Closed	Closed
1.8v	Open	Closed	Open	Closed	Closed
1.9v	Open	Open	Closed	Closed	Closed
2.0v	Open	Open	Open	Open	Open
2.1v	Closed	Open	Open	Open	Open
2.2v	Open	Closed	Open	Open	Open
2.3v	Closed	Closed	Open	Open	Open
2.4v	Open	Open	Closed	Open	Open
2.5v	Closed	Open	Closed	Open	Open
2.6v	Closed	Closed	Open	Open	Open

2.7v	Closed	Closed	Closed	Open	Open
2.8v	Open	Open	Open	Closed	Open
2.9v	Closed	Open	Open	Closed	Open
3.0v	Open	Closed	Open	Closed	Open
3.1v	Closed	Closed	Open	Closed	Open
3.2v	Open	Open	Closed	Closed	Open
3.3v	Closed	Open	Closed	Closed	Open
3.4v	Open	Closed	Closed	Closed	Open
3.5v	Closed	Closed	Closed	Closed	Open