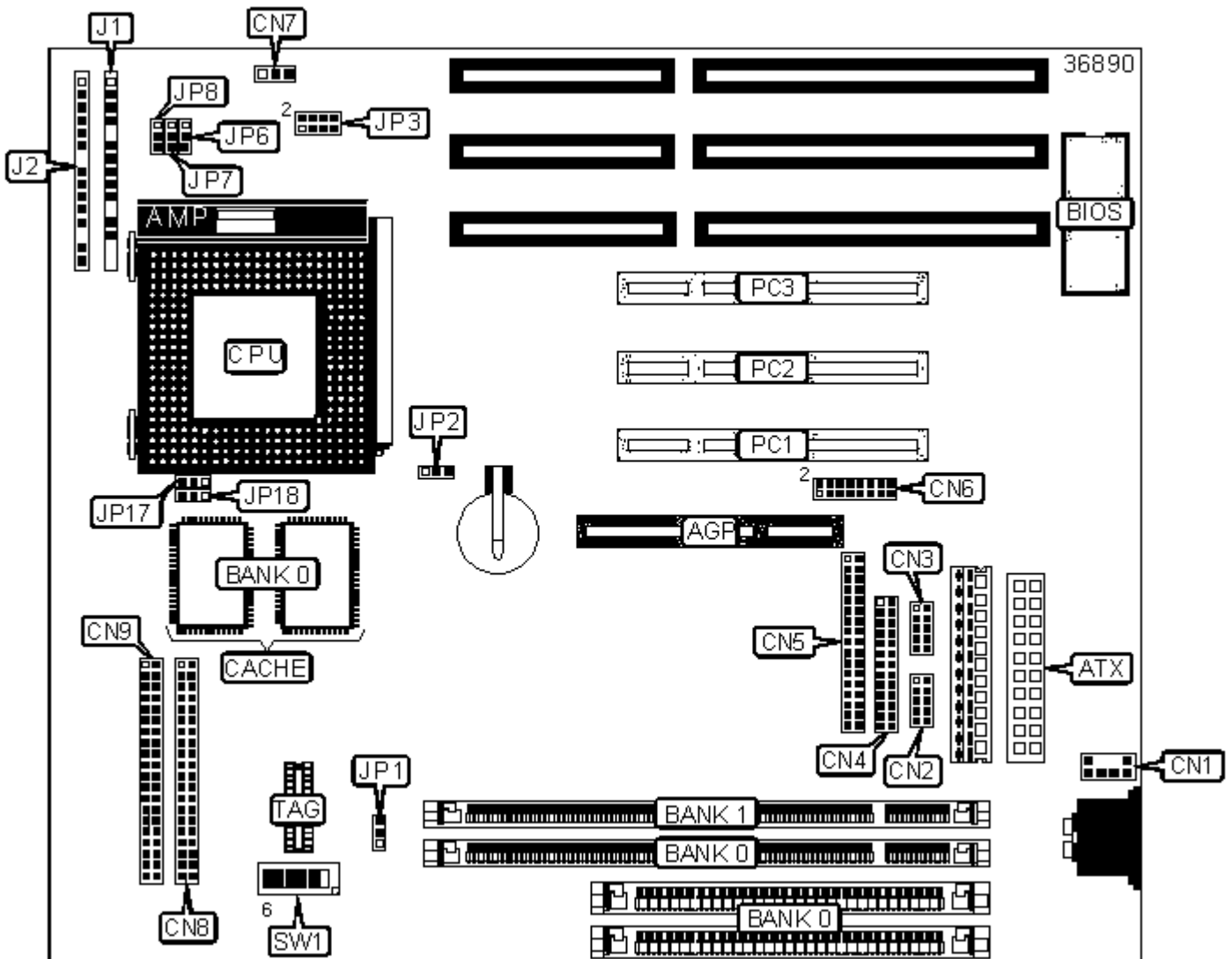


**FAMOUS TECHNOLOGY CO., LTD.**

MP-VIP4 (REV. 3.00)

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/CX 6X86L/CX 686MX/CX M2/IBM 6X86/IBM 6X86L/IBM 6X86MX/AM K5/AM K6/AM K6-2/IDT C6/Pentium/Pentium MMX
<b>Processor Speed</b>	133/166/200/225/233/250/266/300/333/350/400MHz
<b>Chip Set</b>	VIA Apollo MVP3
<b>Maximum Onboard Memory</b>	768MB (EDO & SDRAM supported)
<b>Cache</b>	512KB/1MB
<b>BIOS</b>	Award
<b>Dimensions</b>	240mm x 220mm
<b>I/O Options</b>	32-bit PCI slots (3), AGP slot, ATX power connector, floppy drive interface, IDE interfaces (2), IR connector, parallel interface, PS/2 mouse interface, serial interfaces (2), USB interface



**CONNECTIONS**

Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 2	CN9
ATX power connector	ATX	IDE interface LED	J1/Pins 1 - 4

PS/2 mouse interface	CN1	IR connector	J1/Pins 6 - 10
Serial interface 2	CN2	Power switch	J1/Pins 12 & 13
Serial interface 1	CN3	Speaker	J2/Pins 1 - 4
Parallel interface	CN4	Reset switch	J2/Pins 5 & 6
Floppy drive interface	CN5	Power LED & keylock	J2/Pins 8 - 12
USB interface	CN6	Turbo LED	J2/Pins 14 & 15
CPU fan power	CN7	32-bit PCI slots	PC1-PC3
IDE interface 1	CN8		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP2	Pins 1 & 2 closed
	CMOS memory clear	JP2	Pins 2 & 3 closed

### SIMM CONFIGURATION

Size	Bank 0
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
256MB	(2) 32M x 36

Note: Board supports EDO & SDRAM memory.  
Note: EDO & SDRAM can not be mixed.

### DIMM CONFIGURATION

Size	Bank 0	Bank 1
32MB	(1) 4M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
96MB	(1) 8M x 64	(1) 4M x 64

128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
256MB	(1) 32M x 64	None
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 supports EDO & SDRAM memory.  
Note: EDO & SDRAM can not be mixed.

#### SDRAM CLOCK SELECTION

Setting		JP1	JP6
»	SDRAM clock is synchronous with the CPU clock	Pins 1 & 2 closed	Pins 2 & 3 closed
	SDRAM clock is synchronous with the AGP clock	Pins 2 & 3 closed	Pins 1 & 2 closed

#### CPU SINGLE/DUAL VOLTAGE SELECTION

Setting	JP17	JP18
Single voltage	Pins 1 & 2 closed	Pins 1 & 2 closed
Dual voltage	Pins 2 & 3 closed	Pins 2 & 3 closed

Note: Single voltage processors include CX 6x86, IBM 6x86, AM K5, Pentium & IDT.  
Note: Dual processors include CX 6x86L, CX 6x86MX, CX M2, IBM 6x86L, IBM 6x86MX, AM K6, AM K6-2 & Pentium MMX.

#### CACHE CONFIGURATION

Note: 512KB/1MB cache is located onboard.

#### CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
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	<b>speed</b>							
200MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	75MHz	2.0x	Off	Off	On	On	Off	Off
233MHz	66MHz	3.0x	Off	On	On	Off	On	Off
233MHz	75MHz	2.5x	Off	Off	On	On	On	Off
266MHz	75MHz	3.0x	Off	Off	On	Off	On	Off
266MHz	83MHz	2.5x	Off	On	Off	On	On	Off

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

<b>CPU speed</b>	<b>Clock speed</b>	<b>Multiplier</b>	<b>JP7</b>	<b>JP8</b>
200MHz	66MHz	2.5x	Pins 2 & 3	Pins 2 & 3
200MHz	75MHz	2.0x	Pins 2 & 3	Pins 2 & 3
233MHz	66MHz	2.0x	Pins 2 & 3	Pins 2 & 3
233MHz	75MHz	2.5x	Pins 2 & 3	Pins 2 & 3
266MHz	75MHz	3.0x	Pins 2 & 3	Pins 2 & 3
266MHz	83MHz	2.5x	Pins 1 & 2	Pins 1 & 2

Note: Pins designated should be in the closed position.

### CPU SPEED SELECTION (CX M2)

<b>CPU speed</b>	<b>Clock speed</b>	<b>Multiplier</b>	<b>SW1/1</b>	<b>SW1/2</b>	<b>SW1/3</b>	<b>SW1/4</b>	<b>SW1/5</b>	<b>SW1/6</b>
300MHz	66MHz	3.5x	Off	On	On	Off	Off	Off
300MHz	75MHz	3.0x	Off	Off	On	Off	On	Off
333MHz	66MHz	4.0x	Off	On	On	On	Off	On
333MHz	75MHz	3.5x	Off	Off	On	Off	Off	Off
333MHz	83MHz	3.0x	Off	On	Off	Off	On	Off
333MHz	100MHz	2.5x	Off	Off	Off	On	On	Off
350MHz	83MHz	3.5x	Off	On	Off	Off	Off	Off
350MHz	100MHz	3.0x	Off	Off	Off	Off	On	Off

**CPU SPEED SELECTION (CX M2, CON'T)**

CPU speed	Clock speed	Multiplier	JP7	JP8
300MHz	66MHz	3.5x	Pins 2 & 3	Pins 2 & 3
300MHz	75MHz	3.0x	Pins 2 & 3	Pins 2 & 3
333MHz	66MHz	4.0x	Pins 2 & 3	Pins 2 & 3
333MHz	75MHz	3.5x	Pins 2 & 3	Pins 2 & 3
333MHz	83MHz	3.0x	Pins 1 & 2	Pins 1 & 2
333MHz	100MHz	2.5x	Pins 1 & 2	Pins 2 & 3
350MHz	83MHz	3.5x	Pins 1 & 2	Pins 1 & 2
350MHz	100MHz	3.0x	Pins 1 & 2	Pins 2 & 3

Note: Pins designated should be in the closed position.

**CPU SPEED SELECTION (IBM 6X86MX)**

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
200MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	75MHz	2.0x	Off	Off	On	On	Off	Off
233MHz	66MHz	3.0x	Off	On	On	Off	On	Off
233MHz	75MHz	2.5x	Off	Off	On	On	On	Off
266MHz	75MHz	3.0x	Off	Off	On	Off	On	Off
266MHz	83MHz	2.5x	Off	On	Off	On	On	Off

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

CPU speed	Clock speed	Multiplier	JP7	JP8
200MHz	66MHz	2.5x	Pins 2 & 3	Pins 2 & 3
200MHz	75MHz	2.0x	Pins 2 & 3	Pins 2 & 3
233MHz	66MHz	2.0x	Pins 2 & 3	Pins 2 & 3
233MHz	75MHz	2.5x	Pins 2 & 3	Pins 2 & 3
266MHz	75MHz	3.0x	Pins 2 & 3	Pins 2 & 3
266MHz	83MHz	2.5x	Pins 1 & 2	Pins 1 & 2

Note: Pins designated should be in the closed position.

#### CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
133MHz	66MHz	2.0x	Off	On	On	On	Off	Off
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3.0x	Off	On	On	Off	On	Off

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

CPU speed	Clock speed	Multiplier	JP7	JP8
133MHz	66MHz	2.0x	Pins 2 & 3	Pins 2 & 3
166MHz	66MHz	2.5x	Pins 2 & 3	Pins 2 & 3
200MHz	66MHz	3.0x	Pins 2 & 3	Pins 2 & 3

Note: Pins designated should be in the closed position.

#### CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3.0x	Off	On	On	Off	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off	Off	Off
266MHz	66MHz	4.0x	Off	On	On	On	Off	On
300MHz	66MHz	4.5x	Off	On	On	On	On	On

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

CPU speed	Clock speed	Multiplier	JP7	JP8
166MHz	66MHz	2.5x	Pins 2 & 3	Pins 2 & 3
200MHz	66MHz	3.0x	Pins 2 & 3	Pins 2 & 3
233MHz	66MHz	3.5x	Pins 2 & 3	Pins 2 & 3

266MHz	66MHz	4.0x	Pins 2 & 3	Pins 2 & 3
300MHz	66MHz	4.5x	Pins 2 & 3	Pins 2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6-2)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
250MHz	100MHz	2.5x	Off	Off	Off	On	On	Off
266MHz	66MHz	4.0x	Off	On	On	On	Off	On
300MHz	100MHz	3.0x	Off	Off	Off	Off	On	Off
333MHz	95MHz	3.5x	On	Off	Off	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off	Off	Off	Off
380MHz	95MHz	4.0x	On	Off	Off	On	Off	On
400MHz	100MHz	4.0x	Off	Off	Off	On	Off	On

CPU SPEED SELECTION (AM K6-2, CON'T)				
CPU speed	Clock speed	Multiplier	JP7	JP8
250MHz	100MHz	2.5x	Pins 1 & 2	Pins 2 & 3
266MHz	66MHz	4.0x	Pins 2 & 3	Pins 2 & 3
300MHz	100MHz	3.0x	Pins 1 & 2	Pins 2 & 3
333MHz	95MHz	3.5x	Pins 1 & 2	Pins 2 & 3
350MHz	100MHz	3.5x	Pins 1 & 2	Pins 2 & 3
380MHz	95MHz	4.0x	Pins 1 & 2	Pins 2 & 3
400MHz	100MHz	4.0x	Pins 1 & 2	Pins 2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IDT C6)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
200MHz	66MHz	3.0x	Off	On	On	Off	On	Off

225MHz	75MHz	3.0x	Off	Off	On	Off	On	Off
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#### CPU SPEED SELECTION (IDT C6, CON'T)

CPU speed	Clock speed	Multiplier	JP7	JP8
200MHz	66MHz	3.0x	Pins 2 & 3	Pins 2 & 3
225MHz	75MHz	3.0x	Pins 2 & 3	Pins 2 & 3

Note: Pins designated should be in the closed position.

#### CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
133MHz	66MHz	2.0x	Off	On	On	On	Off	Off
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3.0x	Off	On	On	Off	On	Off

#### CPU SPEED SELECTION (PENTIUM, CON'T)

CPU speed	Clock speed	Multiplier	JP7	JP8
133MHz	66MHz	2.0x	Pins 2 & 3	Pins 2 & 3
166MHz	66MHz	2.5x	Pins 2 & 3	Pins 2 & 3
200MHz	66MHz	3.0x	Pins 2 & 3	Pins 2 & 3

Note: Pins designated should be in the closed position.

#### CPU SPEED SELECTION (PENTIUM MMX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3.0x	Off	On	On	Off	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off	Off	Off

#### CPU SPEED SELECTION (PENTIUM MMX, CON'T)

CPU speed	Clock speed	Multiplier	JP7	JP8
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166MHz	66MHz	2.5x	Pins 2 & 3	Pins 2 & 3
200MHz	66MHz	3.0x	Pins 2 & 3	Pins 2 & 3
233MHz	66MHz	3.5x	Pins 2 & 3	Pins 2 & 3
Note: Pins designated should be in the closed position.				

<b>VCORE SELECTION</b>					
<b>Setting</b>	<b>CPU Type</b>	<b>JP3/Pins 1 &amp; 2</b>	<b>JP3/Pins 3 &amp; 4</b>	<b>JP3/Pins 5 &amp; 6</b>	<b>JP3/Pins 7 &amp; 8</b>
2.2V	AM K6-266/300MHz, K6-2	Open	Closed	Open	Open
2.8V	CX 6x86L, IBM 6x86L, Pentium MMX	Open	Open	Open	Closed
2.9V	CX 6x86MX, CX M2, IBM 6x86MX, AM K6-166/200MHz	Closed	Open	Open	Closed
3.2V	AM K6-233MHz	Open	Open	Closed	Closed
3.3V	IDT C6	Closed	Open	Closed	Closed
3.5V	CX 6x86, IBM 6x86, AM K5, Pentium	Closed	Closed	Closed	Closed