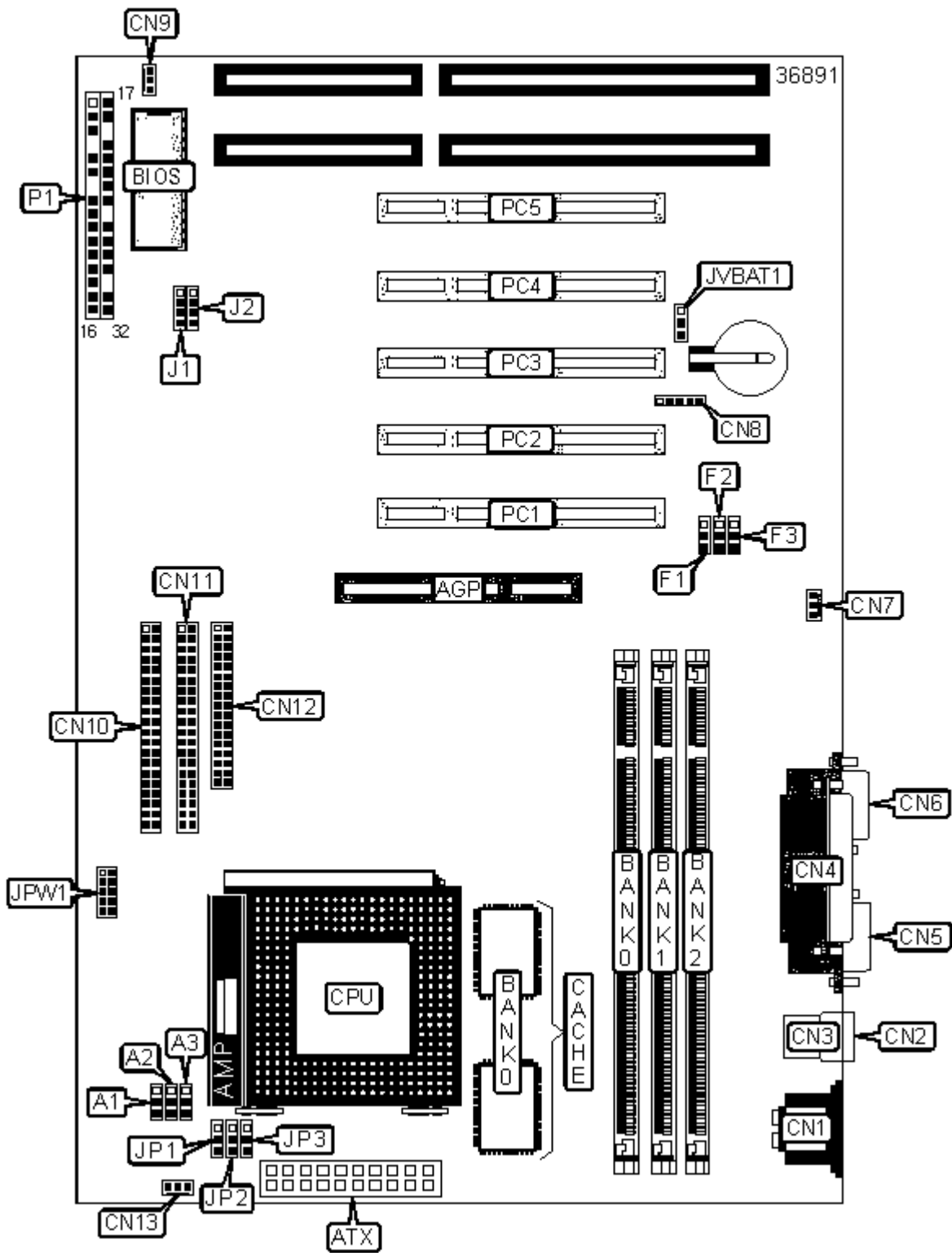


FAMOUS TECHNOLOGY CO., LTD.

MP-VIP-4A (REV. 1.20)

Device Type	Mainboard
Processor	CX 6X86/CX 6X86L/CX 686MX/CX M2/IBM 6X86/IBM 6X86L/IBM 6X86MX/ AM K5/AM K6/AM K6-2/Pentium/Pentium MMX
Processor Speed	100/120/133/166/200/233/300MHz
Chip Set	VIA MVP3
Maximum Onboard Memory	384MB (EDO & SDRAM supported)
Cache	512KB/1MB
BIOS	Award
Dimensions	305mm x 200mm
I/O Options	32-bit PCI slots (5), AGP slot, ATX power connector, floppy drive interface, green PC connector, IDE interfaces (2), IR connectors (2), parallel port, PS/2 mouse interface, PS/2 mouse port, serial ports (2), USB ports (2)



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	CPU fan power	CN13
ATX power connector	ATX	Keyboard interface	J1
PS/2 mouse port	CN1	PS/2 mouse interface	J2

USB port 1	CN2	Turbo switch	P1/Pins 1 - 3
USB port 2	CN3	Reset switch	P1/Pins 5 & 6
Parallel port	CN4	IDE interface LED	P1/Pins 8 & 9
Serial port 1	CN5	IR connector	P1/Pins 10 - 14
Serial port 2	CN6	Power switch	P1/Pins 15 & 16
Power supply fan power	CN7	Turbo LED	P1/Pins 17 & 18
IR connector	CN8	Power LED & keylock	P1/Pins 20 - 24
System fan power	CN9	Speaker	P1/Pins 26 - 29
IDE interface 1	CN10	Green PC switch	PI/Pins 31 & 32
IDE interface 2	CN11	32-bit PCI slots	PC1-PC5
Floppy drive interface	CN12		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JVBAT1	Pins 1 & 2 closed
	CMOS memory clear	JVBAT1	Pins 2 & 3 closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
16MB	(1) 2M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None

64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

Note: Board supports EDO & SDRAM memory.

PCI CLOCK SELECTION

CPU Clock		A1	A2	A3
»	60MHz - 75MHz	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
	83MHz - 112MHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	F1	F2	F3
166MHz	66MHz	2.0x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
200MHz	75MHz	2.0x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	F1	F2	F3
166MHz	60MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2.0x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
200MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
200MHz	75MHz	2.0x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	75MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	83MHz	2.0x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX M2)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	F1	F2	F3
300MHz	66MHz	4.5x	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	F1	F2	F3
166MHz	66MHz	2.0x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
200MHz	75MHz	2.0x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	F1	F2	F3
166MHz	60MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2.0x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
200MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
200MHz	75MHz	2.0x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	75MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	83MHz	2.0x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	F1	F2	F3
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
133MHz	66MHz	2.0x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	F1	F2	F3
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
200MHz	66MHz	3.0x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	F1	F2	F3
300MHz	100MHz	3.0x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	F1	F2	F3
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2.0x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2.0x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
200MHz	66MHz	3.0x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (PENTIUM MMX)

CPU speed	Clock speed	Multiplier	JP1	JP2	JP3	F1	F2	F3
166MHz	66MHz	2.5x	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
200MHz	66MHz	3.0x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

VCORE SELECTION

Setting	CPU Type	JPW1/ Pins 1 & 2	JPW1/ Pins 3 & 4	JPW1/ Pins 5 & 6	JPW1/ Pins 7 & 8	JPW1/ Pins 9 & 10
2.0V	AM K6-266MHz	Open	Closed	Closed	Closed	Closed
2.1V	AM K6-3D (300MHz)	Closed	Open	Open	Open	Open
2.8V	CX 6x86L, IBM 6x86L, Pentium MMX	Open	Open	Open	Closed	Open
2.9V	CX 6x86MX, IBM 6x86MX, AM K6-166/200MHz	Closed	Open	Open	Closed	Open
3.2V	AM K6-233MHz	Open	Open	Closed	Closed	Open
3.3V	Pentium (P54C)	Closed	Open	Closed	Closed	Open
3.4V	Pentium (P54C)	Open	Closed	Closed	Closed	Open
3.5V	CX 6x86, IBM 6x86, AM K5	Closed	Closed	Closed	Closed	Open