FAMOUS TECHNOLOGY CO., LTD.

MP-VIP4-A2 (REV. 4.00)

Device Type	Mainboard
Processor	CX 6X86/CX 6X86L/CX 686MX/CX MII/IBM 6X86/IBM 6X86L/IBM 6X86MX/AM K5/AM K6/AM K6-2/Pentium/Pentium MMX
Processor Speed	75/100/120/133/150/166/200/233/300/350MHz
Chip Set	VIA
Maximum Onboard Memory	384MB (EDO & SDRAM supported)
Cache	512KB/1MB
BIOS	Award
Dimensions	305mm x 185mm
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 port, serial ports (2), USB ports (2)
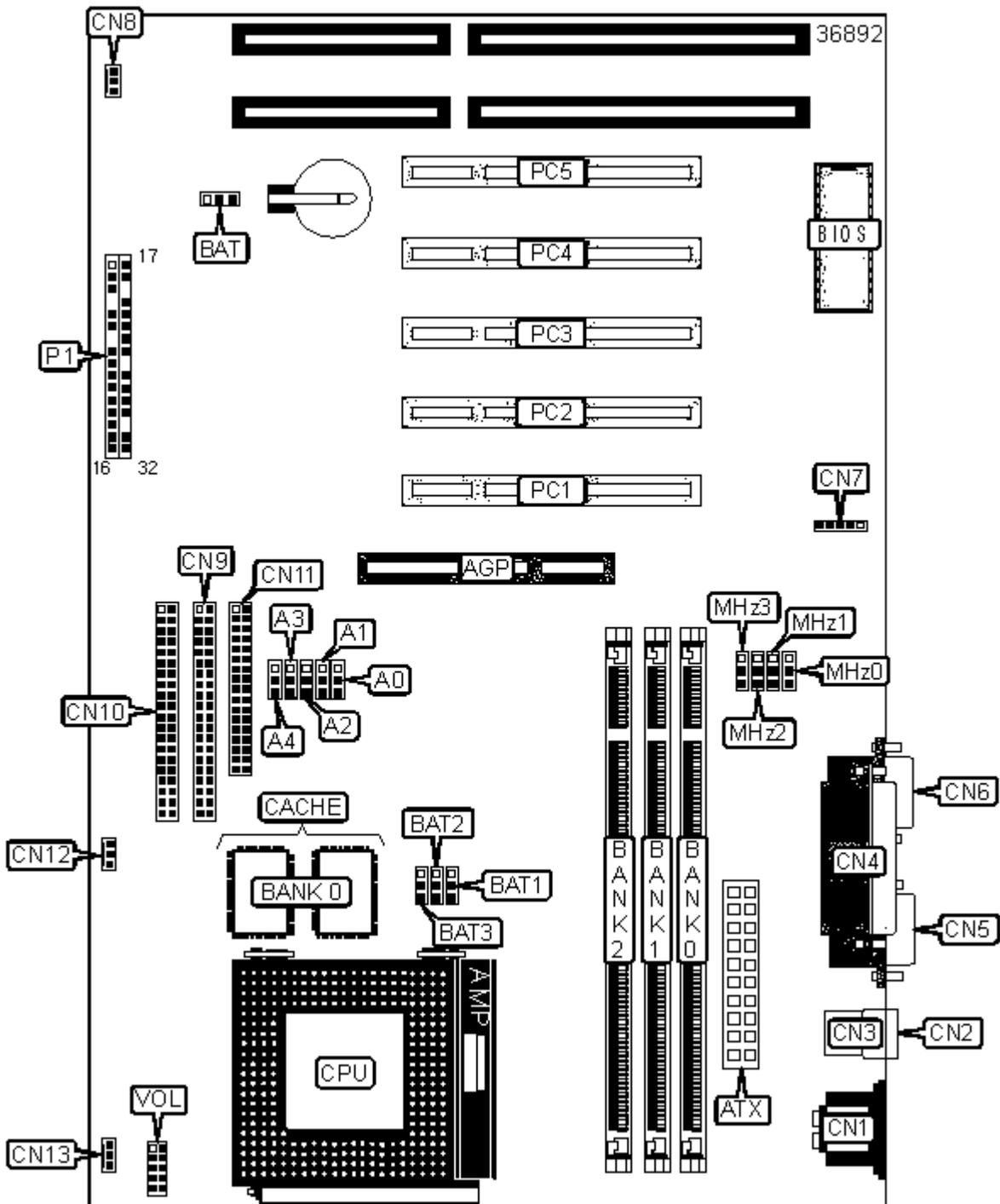
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	CPU fan power	CN12
ATX power connector	ATX	System fan power	CN13
PS/2 mouse port	CN1	Turbo switch	P1/Pins 1 - 3
USB port 1	CN2	Reset switch	P1/Pins 5 & 6
USB port 2	CN3	IDE interface LED	P1/Pins 8 & 9

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

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
» CMOS memory normal operation	BAT	Pins 1 & 2 closed
CMOS memory clear	BAT	Pins 2 & 3 closed
» Factory configured - do not alter	MHz0	Pins 2 & 3 closed
» Factory configured - do not alter	A0	Pins 1 & 2 closed
» Factory configured - do not alter	A3	Pins 2 & 3 closed
» Factory configured - do not alter	A4	Pins 1 & 2 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**
»	60MHz - 75MHz	Pins 2 & 3 closed	Pins 2 & 3 closed
	75MHz - 83MHz	Pins 1 & 2 closed	Pins 1 & 2 closed
	90MHz - 100MHz	Pins 2 & 3 closed	Pins 1 & 2 closed

CPU EXTERNAL CLOCK SELECTION				
	Clock Speed	**MHz1**	**MHz2**	**MHz3**
	60MHz	Pins 2 & 3	Pins 2 & 3	Pins 2 & 3
»	66MHz	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2
	75MHz	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3

83MHz	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2
95MHz	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3
100MHz	Pins 1 & 2	Pins 1 & 2	Pins 1 & 2

Note: Pins designated should be in the closed position.

CPU MULTIPLIER SELECTION

Multiplier	BAT1	BAT2	BAT3
1.5x	Pins 1 & 2	Pins 1 & 2	Pins 1 & 2
2.0x	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3
2.5x	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2
» 3.0x	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2
4.0x	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3
4.5x	Pins 2 & 3	Pins 2 & 3	Pins 2 & 3
5.0x	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3
5.5x	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3

Note: Pins designated should be in the closed position.

VCORE SELECTION

Voltage	CPU Type	VOL/Pins 1 & 2	VOL/Pins 3 & 4	VOL/Pins 5 & 6	VOL/Pins 7 & 8	VOL/Pins 9 & 10
2.0V	AM K6 266MHz	Open	Closed	Closed	Closed	Closed
2.1V	AM K6 266-333MHz	Closed	Open	Open	Open	Open
2.2V	AM K6/K6-2 266-333	Open	Closed	Open	Open	Open
2.7V	CX 6x86 MX	Closed	Closed	Closed	Open	Open
» 2.8V	CX 6x86L, IBM 6x86L, Pentium MMX	Open	Open	Open	Closed	Open
2.9V	CX 6x86MX, CX M2, 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