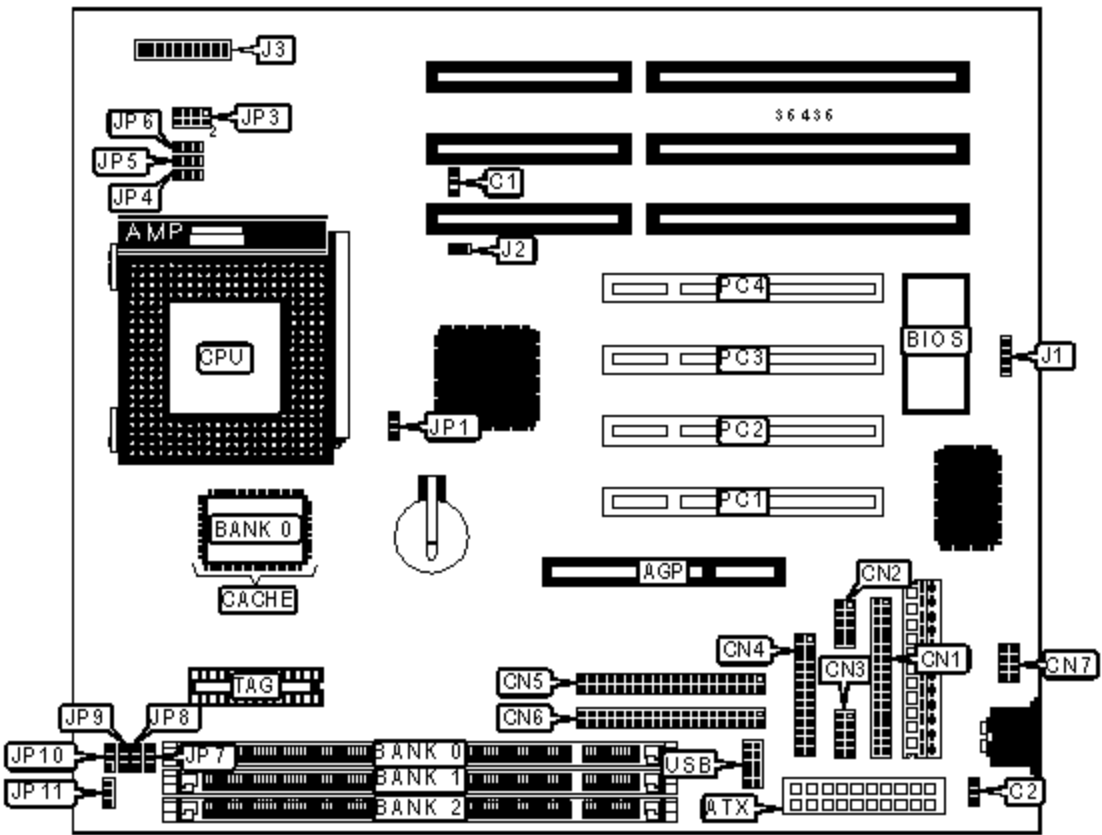


EFA CORPORATION

P5MVP3-AT

Device Type	Mainboard
Processor	CX 6X86/CX 6X86L/CX 6X86MX/CX MII/AM K5/AM K6/ AM K6-2/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/200/233/250/266/300/333MHz
Chip Set	VIA MVP3
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
Cache	512KB
BIOS	Award
Dimensions	230mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connector, ATX power connector, AGP slot



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IR connector	J1
ATX power connector	ATX	Soft off power supply	J2
Chassis fan power	C1	Speaker	J3/pins 1/3/5/7
Chassis fan power	C2	Power LED & keylock	J3/pins 2/4/6/8/10
Floppy drive interface	CN1	Turbo LED	J3/pins 11 & 12
Serial port 2	CN2	IDE interface LED	J3/pins 15 & 16

Serial port 1	CN3	Reset switch	J3/pins 17 & 18
Parallel port	CN4	Green PC LED	J3/pins 19 & 20
IDE interface 2	CN5	32-bit PCI slots	PC1 - PC4
IDE interface 1	CN6	USB connector	USB
PS/2 mouse interface	CN7		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP1	Pins 1 & 2 closed
	CMOS memory clear	JP1	Pins 2 & 3 closed
	SDRAM clock select = CPU clock	JP10	Pins 2 & 3 closed
	SDRAM clock select = AGP clock	JP10	Pins 1 & 2 closed
	Power supply select AT	JP11	Pins 1 & 2 closed
	Power supply select ATX	JP11	Pins 2 & 3 closed

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64

48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None

144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
264MB	(1) 32M x 64	(1) 1M x 64	None
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board accepts EDO & SDRAM memory.

CACHE CONFIGURATION

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

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
166MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
200MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
233MHz	75MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
266MHz	83MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
300MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
300MHz	75MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
333MHz	83MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
300MHz	66MHz	4.5x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
250MHz	100MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3

300MHz	100MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
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Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION

Voltage	JP3/pins 1 & 2	JP3/pins 3 & 4	JP3/pins 5 & 6	JP3/pins 7 & 8
2.2v	Open	Closed	Open	Open
2.5v	Closed	Open	Closed	Open
2.8v	Open	Open	Open	Closed
2.9v	Closed	Open	Open	Closed

3.2v	Open	Open	Closed	Closed
3.3v	Closed	Open	Closed	Closed
3.52v	Closed	Closed	Closed	Closed