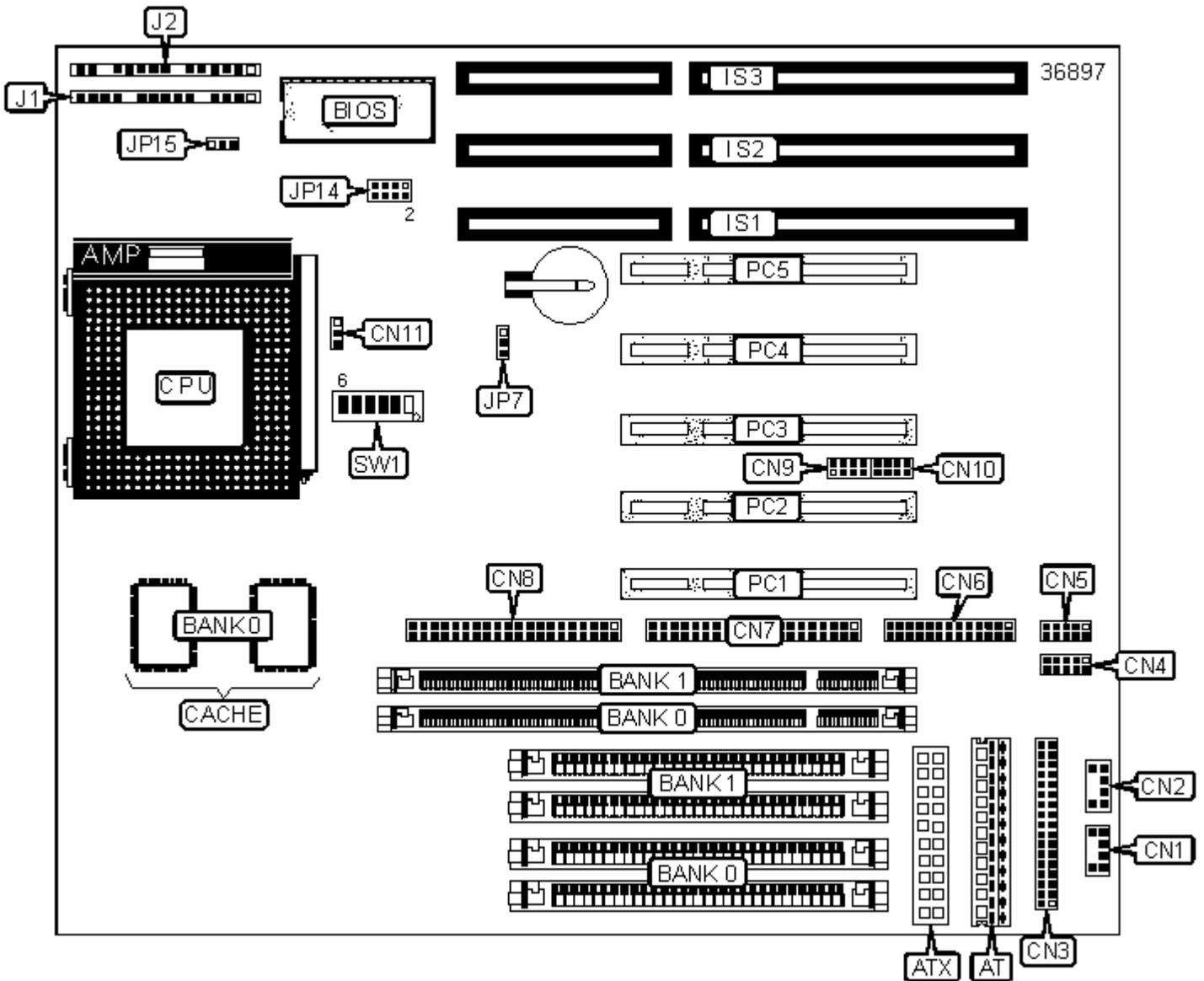


FAMOUS TECHNOLOGY CO., LTD.

MP-586ACT (REV. 1.00)

Device Type	Mainboard
Processor	CX 6X86L/CX 686MX/AM K5/AM K6/AM K6-2/IDT C6/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/200/233/266/300/333/366MHz
Chip Set	Intel 430TX
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Cache	256/512KB
BIOS	Award
Dimensions	260mm x 220mm
I/O Options	16-bit ISA slots (3), 32-bit PCI slots (5), AT power connector, ATX power connector, floppy drive interface, green PC connector, IDE interfaces (2), IR connector, keyboard interface, parallel interface, PS/2 mouse interface, serial interfaces (2), USB interfaces (2)



CONNECTIONS

Purpose	Location	Purpose	Location
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AT power connector	AT	CPU fan power	CN11
ATX power connector	ATX	IDE interface LED	J1/Pins 1 - 4
Keyboard interface	CN1	IR connector	J1/Pins 6 - 10
PS/2 mouse interface	CN2	Power switch	J1/Pins 12 & 13
Floppy drive interface	CN3	Green PC switch	J1/Pins 14 & 15
Serial interface 2	CN4	Speaker	J2/Pins 1 - 4
Serial interface 1	CN5	Reset switch	J2/Pins 5 & 6
Parallel interface	CN6	Power LED & keylock	J2/Pins 8 - 12
IDE interface 2	CN7	Turbo LED	J2/Pins 14 & 15
IDE interface 1	CN8	16-bit ISA slots	IS1-IS3
USB interface 1	CN9	32-bit PCI slots	PC1-PC5
USB interface 2	CN10		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP7	Pins 2 & 3 closed
	CMOS memory clear	JP7	Pins 1 & 2 closed
»	Intel Flash memory programming disabled	JP15	Pins 1 & 2 closed
	Intel Flash memory programming enabled	JP15	Pins 2 & 3 closed

SIMM CONFIGURATION

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

48MB	(2) 4M x 32	(2) 2M x 32
64MB	(2) 4M x 32	(2) 4M x 32
64MB	(2) 8M x 32	None
72MB	(2) 8M x 32	(2) 1M x 32
80MB	(2) 8M x 32	(2) 2M x 32
96MB	(2) 8M x 32	(2) 4M x 32
128MB	(2) 8M x 32	(2) 8M x 32
128MB	(2) 16M x 32	None
136MB	(2) 16M x 32	(2) 1M x 32
144MB	(2) 16M x 32	(2) 2M x 32
160MB	(2) 16M x 32	(2) 4M x 32
192MB	(2) 16M x 32	(2) 8M x 32
256MB	(2) 16M x 32	(2) 16M x 32

Note: Board supports EDO & SDRAM memory.

Note: EDO & SDRAM can not be mixed.

Note: SIMM Bank 0 & DIMM Bank 1 can not be installed at the same time.

DIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
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

Note: Board supports EDO & SDRAM memory.
Note: EDO & SDRAM can not be mixed.
Note: SIMM Bank 0 & DIMM Bank 1 can not be installed at the same time.

CACHE CONFIGURATION

Note: 512KB/1MB cache located onboard.

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
133MHz	55MHz	2.0x	On	Off	On	On	Off	On
150MHz	60MHz	2.0x	On	Off	On	Off	Off	On
166MHz	66MHz	2.0x	On	Off	Off	Off	Off	On
200MHz	75MHz	2.0x	On	Off	Off	On	Off	On

CPU SPEED SELECTION (CX 6X86MX)

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

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
90MHz	60MHz	1.5x	Off	Off	On	Off	Off	On
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	On

120MHz	60MHz	2.0x	On	Off	On	Off	Off	On
133MHz	66MHz	2.0x	On	Off	Off	Off	Off	On
150MHz	60MHz	2.5x	On	On	On	Off	Off	On
166MHz	66MHz	2.5x	On	On	Off	Off	Off	On

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	On	On	Off	Off	Off	On
200MHz	66MHz	3.0x	Off	On	Off	Off	Off	On
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	On
266MHz	66MHz	4.0	On	Off	Off	Off	On	On
300MHz	66MHz	4.5x	On	On	Off	Off	On	On

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
266MHz	66MHz	4.0	On	Off	Off	Off	On	On
300MHz	66MHz	4.5x	On	On	Off	Off	On	On
333MHz	66MHz	5.0x	Off	On	Off	Off	On	On
366MHz	66MHz	5.5x	Off	Off	Off	Off	On	On

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	Off	Off	Off	On
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	On
266MHz	66MHz	4.0x	On	Off	Off	Off	On	On

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
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	speed							
90MHz	60MHz	1.5x	Off	Off	On	Off	Off	On
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	On
120MHz	60MHz	2.0x	On	Off	On	Off	Off	On
133MHz	66MHz	2.0x	On	Off	Off	Off	Off	On
150MHz	60MHz	2.5x	On	On	On	Off	Off	On
166MHz	66MHz	2.5x	On	On	Off	Off	Off	On
180MHz	60MHz	3.0x	Off	On	On	Off	Off	On
200MHz	66MHz	3.0x	Off	On	Off	Off	Off	On

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	On	On	Off	Off	Off	On
200MHz	66MHz	3.0x	Off	On	Off	Off	Off	On
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	On

VCORE SELECTION

Setting	CPU Type	JP14/Pins 1 & 2	JP14/Pins 3 & 4	JP14/Pins 5 & 6	JP14/Pins 7 & 8
2.1V	AM K6 233MHz	Closed	Open	Open	Open
2.2V	AM K6 266MHz, AM K6-2	Open	Closed	Open	Open
» 2.8V	CX 6x86L, Pentium MMX	Open	Open	Open	Closed
2.9V	CX 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
3.52V	AM K5, Pentium	Closed	Closed	Closed	Closed

Note: AM K6 233MHz has two possible settings, depending on the processor.