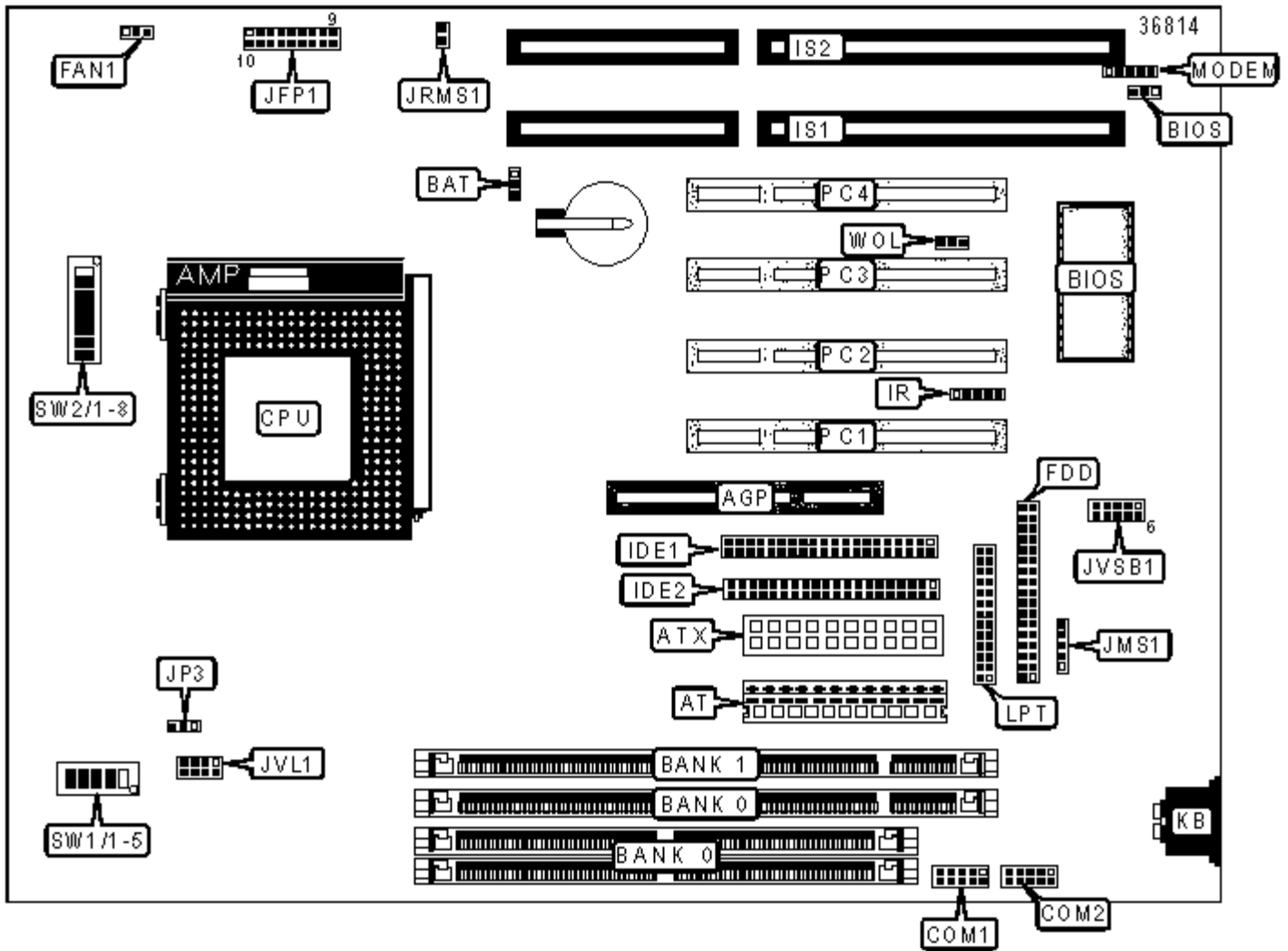


MICRO-STAR INTERNATIONAL CO., LTD.

MS-5184

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/IDT Winchip/Pentium
Processor Speed	100/133/166/200/233/266/300/333/350/366/380/400MHz
Chip Set	VIA
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
Cache	512/1024KB
BIOS	Award
Dimensions	243mm x 222mm
I/O Options	16-bit ISA slots (2), 32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel interface, PS/2 mouse interface, serial interfaces (2), USB interface, ATX power connector, AGP slot, Wake-on-LAN connector, Modem connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Power LED	JFP1/Pins 4, 5 & 6

AT power connector	AT	Power switch	JFP1/Pins 7 & 8
ATX power connector	ATX	Speaker	JFP1/Pins 13 -16
Serial interface 1	COM1	Reset switch	JFP1/Pins 17 & 18
Serial interface 2	COM2	PS/2 mouse interface	JMS1
CPU fan power	FAN1	Remote power switch	JRMS1
Floppy drive interface	FDD	Unidentified	JVL1
IDE interface 1	IDE1	USB interface	JVSB1
IDE interface 2	IDE2	AT keyboard port	KB
IR connector	IR	32-bit PCI slots	PC1 - PC4
16-bit ISA slots	IS1 - IS2	Parallel interface	LPT
Keylock	JFP1/Pins 1 & 10	Wake-on-LAN connector	WOL
IDE interface LED	JFP1/Pins 3 & 12		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	BAT	Pins 1 & 2 closed
	CMOS memory clear	BAT	Pins 2 & 3 closed
	DRAM set to CPU clock speed	JP3	Pins 1 & 2 closed
	DRAM set to AGP clock speed	JP3	Pins 2 & 3 closed

SIMM CONFIGURATION

Size	Bank 0
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
256MB	(2) 32M x 36

Note: Board accepts EDO & SDRAM memory.

DIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
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) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
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
264MB*	(1) 32M x 64	(1) 1M x 64
272MB*	(1) 32M x 64	(1) 2M x 64
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 accepts EDO & SDRAM memory. Maximum EDO is 512MB. Maximum SDRAM is 256MB. *Note: Memory configuration requires EDO memory.		

CPU SPEED SELECTION (CYRIX 6X86)						
CPU Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
133MHz	66MHz	2x	Off	On	On	On

CPU SPEED SELECTION (CYRIX 6X86 CON'T)						
Speed	Clock Speed	Multiplier	SW1/5	SW2/6	SW2/7	SW2/8
133MHz	66MHz	2x	N/A	On	Off	Off

CPU SPEED SELECTION (CYRIX 6X86L)						
Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
133MHz	66MHz	2x	Off	On	On	On

CPU SPEED SELECTION (CYRIX 6X86L CON'T)						
Speed	Clock Speed	Multiplier	SW1/5	SW2/6	SW2/7	SW2/8
133MHz	66MHz	2x	N/A	On	Off	Off

CPU SPEED SELECTION (CYRIX 6X86MX)						
Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	On	On	On

CPU SPEED SELECTION (CYRIX 6X86MX CON'T)						
Speed	Clock Speed	Multiplier	SW1/5	SW2/6	SW2/7	SW2/8
166MHz	66MHz	2.5x	N/A	On	On	Off

CPU SPEED SELECTION (IBM 6X86)						
CPU Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4

133MHz	66MHz	2x	Off	On	On	On
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CPU SPEED SELECTION (IBM 6X86 CON'T)

Speed	Clock Speed	Multiplier	SW1/5	SW2/6	SW2/7	SW2/8
133MHz	66MHz	2x	N/A	On	Off	Off

CPU SPEED SELECTION (IBM 6X86L)

Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
133MHz	66MHz	2x	Off	On	On	On

CPU SPEED SELECTION (IBM 6X86L CON'T)

Speed	Clock Speed	Multiplier	SW1/5	SW2/6	SW2/7	SW2/8
133MHz	66MHz	2x	N/A	On	Off	Off

CPU SPEED SELECTION (IBM 6X86MX)

Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	On	On	On

CPU SPEED SELECTION (IBM 6X86MX CON'T)

Speed	Clock Speed	Multiplier	SW1/5	SW2/6	SW2/7	SW2/8
166MHz	66MHz	2.5x	N/A	On	On	Off

CPU SPEED SELECTION (AMD K5)

Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
100MHz	66MHz	1.5x	Off	On	On	On
166MHz	66MHz	2.5x	Off	On	On	On

CPU SPEED SELECTION (AMD K5 CON'T)

Speed	Clock Speed	Multiplier	SW1/5	SW2/6	SW2/7	SW2/8
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100MHz	66MHz	1.5x	N/A	Off	Off	Off
166MHz	66MHz	2.5x	N/A	On	On	Off

CPU SPEED SELECTION (AMD K6)

Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	On	On
233MHz	66MHz	3.5x	Off	On	On	On

CPU SPEED SELECTION (AMD K6 CON'T)

Speed	Clock Speed	Multiplier	SW1/5	SW2/6	SW2/7	SW2/8
166MHz	66MHz	2.5x	N/A	On	On	Off
200MHz	66MHz	3x	N/A	Off	On	Off
233MHz	66MHz	3.5x	N/A	On	On	Off

CPU SPEED SELECTION (AMD K6-2)

Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
300MHz	66MHz	4.5x	Off	Off	Off	Off
333MHz	66MHz	5x	On	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (AMD K6-2 CON'T)

Speed	Clock Speed	Multiplier	SW1/5	SW2/6	SW2/7	SW2/8
300MHz	66MHz	4.5x	N/A	On	On	On
333MHz	66MHz	5x	N/A	Off	On	On
350MHz	100MHz	3.5x	On	Off	Off	Off

CPU SPEED SELECTION (PENTIUM)

Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
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100MHz	66MHz	1.5x	Off	On	On	On
133MHz	66MHz	2x	Off	On	On	On
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	On	On

CPU SPEED SELECTION (PENTIUM CON'T)

Speed	Clock Speed	Multiplier	SW1/5	SW2/6	SW2/7	SW2/8
100MHz	66MHz	1.5x	N/A	Off	On	Off
133MHz	66MHz	2x	N/A	On	Off	Off
166MHz	66MHz	2.5x	N/A	On	On	Off
200MHz	66MHz	3x	N/A	Off	On	Off

CPU SPEED SELECTION (PENTIUM MMX)

Speed	Clock Speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	On	On
233MHz	66MHz	3.5x	Off	On	On	On

CPU SPEED SELECTION (PENTIUM MMX CON'T)

Speed	Clock Speed	Multiplier	SW1/5	SW2/6	SW2/7	SW2/8
166MHz	66MHz	2.5x	N/A	On	On	Off
200MHz	66MHz	3x	N/A	Off	On	Off
233MHz	66MHz	3.5x	N/A	Off	Off	Off

CPU VOLTAGE SELECTION

Voltage	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5
1.80V	Off	On	Off	On	On
1.85V	On	On	Off	On	On
1.90V	Off	Off	On	On	On

1.95V	On	Off	On	On	On
2.00V	Off	On	On	On	On
2.0V	Off	Off	Off	Off	Off
2.05V	On	On	On	On	On
2.10V	On	Off	Off	Off	Off
2.20V	Off	On	Off	Off	Off
2.30V	On	On	Off	Off	Off
2.40V	Off	Off	On	Off	Off
2.50V	On	Off	On	Off	Off
2.60V	Off	On	On	Off	Off
2.70V	On	On	On	Off	Off
2.80V	Off	Off	Off	On	Off
2.90V	On	Off	Off	On	Off
3.00V	Off	On	Off	On	Off
3.10V	On	On	Off	On	Off
3.20V	Off	Off	On	On	Off
3.30V	On	Off	On	On	Off
3.40V	Off	On	On	On	Off
3.50V	On	On	On	On	Off