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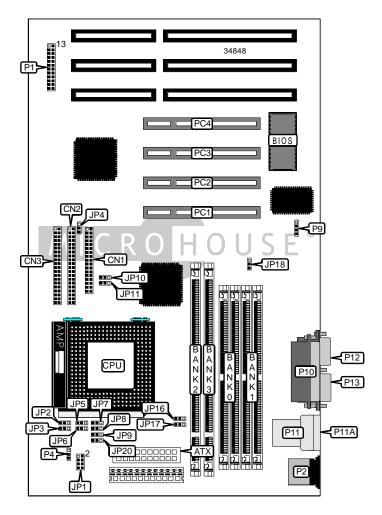|	
Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/ AM K5/AM K6/Pentium
Processor Speed	90/100/120/133/150/166/180/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector
NPU Options	None

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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	PS/2 mouse port	P2
Floppy drive interface	CN1	CPU fan power	P4
IDE interface 2	CN2	Parallel port	P10
IDE interface 1	CN3	USB connector 1	P11
Power LED & keylock	P1/pins 1 - 5	USB connector 2	P11A
Speaker	P1/pins 7 - 10	Serial port	P12
IDE interface LED	P1/pins 12 & 24	Serial port	P13
Soft off power supply	P1/pins 18 & 19	32-bit PCI slots	PC1 – PC4
Reset switch	P1/pins 21 & 22		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JP4	Pins 2 & 3 closed
CMOS memory clear	JP4	Pins 1 & 2 closed
í Modem ring select COM2	JP18	Pins 2 & 3 closed
Modem ring select COM1	JP18	Pins 1 & 2 closed
í Factory configured - do not alter	P9	Unidentified

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None

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SIMM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36
Note: Board accepts EDO memory.		

DIMM CONFIGURATION		
Size	**Bank 2**	**Bank 3**
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
Note: Board accepts SDRAM memory.		

DIMM VOLTAGE CONFIGURATION		
Voltage	**JP16**	**JP17**
3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CACHE CONFIGURATION
Note: 512KB cache is factory installed and is not configurable. The location is unidentified.

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CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP5	JP6	JP10	JP11
133MHz	55MHz	2x	1 & 2	2 & 3	1 & 2	Open	1 & 2	1 & 2
150MHz	60MHz	2x	1 & 2	2 & 3	1 & 2	Open	1 & 2	2 & 3
166MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	Open	2 & 3	2 & 3
200MHz	75MHz	2x	1 & 2	2 & 3	2 & 3	Open	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM CX86)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP5	JP6	JP10	JP11
133MHz	55MHz	2x	1 & 2	2 & 3	1 & 2	Open	1 & 2	1 & 2
166MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	Open	2 & 3	2 & 3
200MHz	75MHz	2x	1 & 2	2 & 3	2 & 3	Open	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP5	JP6	JP10	JP11
166MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	Open	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM CX86L)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP5	JP6	JP10	JP11
166MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	Open	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP5	JP6	JP10	JP11
166MHz	60MHz	2x	2 & 3	2 & 3	1 & 2	Open	1 & 2	2 & 3
200MHz	66MHz	2x	2 & 3	2 & 3	2 & 3	Open	2 & 3	2 & 3
233MHz	75MHz	2x	2 & 3	2 & 3	2 & 3	Open	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	JP2	JP3	JP5	JP6	JP10	JP11
166MHz	60MHz	2x	2 & 3	2 & 3	1 & 2	Open	1 & 2	2 & 3
200MHz	66MHz	2x	2 & 3	2 & 3	2 & 3	Open	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (AM K5)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP5**	**JP6**	**JP10**	**JP11**
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	Open	1 & 2	2 & 3
100MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	Open	2 & 3	2 & 3
120MHz	60MHz	2x	1 & 2	2 & 3	1 & 2	Open	1 & 2	2 & 3
133MHz	66MHz	2x	1 & 2	1 & 2	2 & 3	Open	2 & 3	2 & 3
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	Open	1 & 2	2 & 3
166MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3	Open	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (AM K6)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP5**	**JP6**	**JP10**	**JP11**
166MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3	Open	2 & 3	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	Open	2 & 3	2 & 3
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	Open	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (INTEL)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP5**	**JP6**	**JP10**	**JP11**
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	Open	1 & 2	2 & 3
100MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	Open	2 & 3	2 & 3
120MHz	60MHz	2x	1 & 2	2 & 3	1 & 2	Open	1 & 2	2 & 3
133MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	Open	2 & 3	2 & 3
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	Open	1 & 2	2 & 3
166MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3	Open	2 & 3	2 & 3
180MHz	60MHz	3x	2 & 3	1 & 2	1 & 2	Open	1 & 2	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	Open	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (INTEL MMX)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP5**	**JP6**	**JP10**	**JP11**
166MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3	Open	2 & 3	2 & 3
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	Open	2 & 3	2 & 3
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	Open	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

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CPU VOLTAGE SELECTION				
Voltage	**JP7**	**JP8**	**JP9**	**JP20**
2.0v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.1v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.2v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.3v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.4v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.5v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.6v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.7v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.8v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.9v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3.0v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3.1v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3.2v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
3.4v	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
3.5v	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU VOLTAGE SELECTION (CON'T)				
Voltage	**JP1/pins 1 & 2**	**JP1/pins 3 & 4**	**JP1/pins 5 & 6**	**JP1/pins 7 & 8**
2.0v	Open	Open	Open	Open
2.1v	Closed	Open	Open	Open
2.2v	Open	Closed	Open	Open
2.3v	Closed	Closed	Open	Open
2.4v	Open	Open	Closed	Open
2.5v	Closed	Open	Closed	Open
2.6v	Open	Closed	Closed	Open
2.7v	Closed	Closed	Closed	Open
2.8v	Open	Open	Open	Closed
2.9v	Closed	Open	Open	Closed
3.0v	Open	Closed	Open	Closed
3.1v	Closed	Closed	Open	Closed
3.2v	Open	Open	Closed	Closed
3.3v	Closed	Open	Closed	Closed
3.4v	Open	Closed	Closed	Closed
3.5v	Closed	Closed	Closed	Closed