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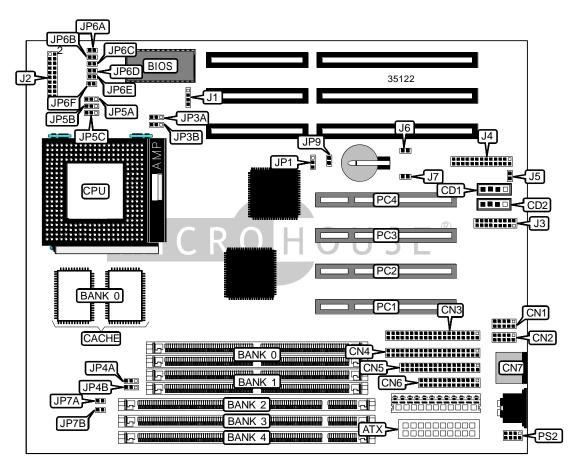# M 5 7 5

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/ AM K5/AM K6/IDT C6/Pentium/Pentium MMX
Processor Speed	75/90/100/120/133/150/166/180/200/233MHz
Chip Set	TX Pro
Video Chip Set	None
Maximum Onboard Memory	384MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	512/1024KB
BIOS	AMI
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, game/sound interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2), IR connector, USB connectors (2), ATX power connector, audio in – CD-ROMs (2)
NPU Options	None

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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	IDE interface LED	J2/pins 15 & 16
Audio in – CD-ROM	CD1	Reset switch	J2/pins 17 & 18
Audio in – CD-ROM	CD2	Green PC LED	J2/pins 19 & 20
Serial port 1	CN1	Green PC connector	J2/pins 21 & 22
Serial port 2	CN2	USB connector 1	J3/pins 1 – 4
IDE interface 2	CN3	PS/2 mouse interface	J3/pins 5 – 6, 15 - 16
IDE interface 1	CN4	IR connector	J3/pins 7 – 9, 17 & 18
Floppy drive interface	CN5	USB connector 2	J3/pins 10 - 13
Parallel port	CN6	Game/sound interface	J4
PS/2 mouse port	CN7	Digital audio out	J6
Chassis fan power	J1	Digital audio in	J7
Speaker	J2/pins 1, 3, 5, 7	32-bit PCI slots	PC1 – PC4
Power LED & keylock	J2/pins 2, 4, 6, 8, 10	PS/2 mouse interface	PS2
Turbo LED	J2/pins 13 & 14		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
Microphone type select normal	J5	Open
Microphone type select special	J5	Closed
í CMOS memory normal operation	JP1	Pins 2 & 3 closed
CMOS memory clear	JP1	Pins 1 & 2 closed
í Factory configured - do not alter	JP5C	Unidentified
Sound pro enabled	JP9	Open
Sound pro disabled	JP9	Closed

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

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SIMM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
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
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**	**Bank 4**
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

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DIMM CONFIGURATION (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
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) 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 accepts SDRAM memory.			

DIMM/SIMM VOLTAGE CONFIGURATION		
Voltage	**JP4A**	**JP4B**
í 3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CACHE CONFIGURATION	
Size	**Bank 0**
1MB	(2) 128K x 32

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CPU SPEED SELECTION (CX 6X86)						
CPU speed	**Clock speed**	**Multiplier**	**JP5A**	**JP5B**	**JP7A**	**JP7B**
150MHz	60MHz	2x	2 & 3	1 & 2	Closed	Closed
166MHz	66MHz	2x	2 & 3	1 & 2	Open	Closed
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (IBM 6X86)						
CPU speed	**Clock speed**	**Multiplier**	**JP5A**	**JP5B**	**JP7A**	**JP7B**
150MHz	60MHz	2x	2 & 3	1 & 2	Closed	Closed
166MHz	66MHz	2x	2 & 3	1 & 2	Open	Closed
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (CX 6X86L)						
CPU speed	**Clock speed**	**Multiplier**	**JP5A**	**JP5B**	**JP7A**	**JP7B**
150MHz	60MHz	2x	2 & 3	1 & 2	Closed	Closed
166MHz	66MHz	2x	2 & 3	1 & 2	Open	Closed
200MHz	75MHz	2x	2 & 3	1 & 2	Closed	Open
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (IBM 6X86L)						
CPU speed	**Clock speed**	**Multiplier**	**JP5A**	**JP5B**	**JP7A**	**JP7B**
150MHz	60MHz	2x	2 & 3	1 & 2	Closed	Closed
166MHz	66MHz	2x	2 & 3	1 & 2	Open	Closed
200MHz	75MHz	2x	2 & 3	1 & 2	Closed	Open
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (CX 6X86MX)						
CPU speed	**Clock speed**	**Multiplier**	**JP5A**	**JP5B**	**JP7A**	**JP7B**
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	Closed
200MHz	66MHz	2.5x	2 & 3	2 & 3	Open	Closed
233MHz	75MHz	2.5x	2 & 3	2 & 3	Closed	Open
233MHz	66MHz	3x	1 & 2	2 & 3	Open	Closed
Note: Pins designated should be in the closed position.						

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CPU SPEED SELECTION (IBM 6X86MX)						
CPU speed	**Clock speed**	**Multiplier**	**JP5A**	**JP5B**	**JP7A**	**JP7B**
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	Closed
200MHz	66MHz	2.5x	2 & 3	2 & 3	Open	Closed
233MHz	75MHz	2.5x	2 & 3	2 & 3	Closed	Open
233MHz	66MHz	3x	1 & 2	2 & 3	Open	Closed
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (AM K5)						
CPU speed	**Clock speed**	**Multiplier**	**JP5A**	**JP5B**	**JP7A**	**JP7B**
90MHz	60MHz	1.5x	1 & 2	1 & 2	Closed	Closed
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open	Closed
120MHz	60MHz	2x	2 & 3	1 & 2	Closed	Closed
133MHz	66MHz	2x	2 & 3	1 & 2	Open	Closed
150MHz	60MHz	2.5x	2 & 3	2 & 3	Closed	Closed
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	Closed
180MHz	60MHz	3x	1 & 2	2 & 3	Closed	Closed
200MHz	66MHz	3x	1 & 2	2 & 3	Open	Closed
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (AM K6)						
CPU speed	**Clock speed**	**Multiplier**	**JP5A**	**JP5B**	**JP7A**	**JP7B**
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	Closed
200MHz	66MHz	3x	1 & 2	2 & 3	Open	Closed
233MHz	66MHz	3.5x	1 & 2	1 & 2	Open	Closed
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (IDT C6)						
CPU speed	**Clock speed**	**Multiplier**	**JP5A**	**JP5B**	**JP7A**	**JP7B**
200MHz	66MHz	3x	1 & 2	2 & 3	Open	Closed
Note: Pins designated should be in the closed position.						

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CPU SPEED SELECTION (INTEL)						
CPU speed	**Clock speed**	**Multiplier**	**JP5A**	**JP5B**	**JP7A**	**JP7B**
90MHz	60MHz	1.5x	1 & 2	1 & 2	Closed	Closed
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open	Closed
120MHz	60MHz	2x	2 & 3	1 & 2	Closed	Closed
133MHz	66MHz	2x	2 & 3	1 & 2	Open	Closed
150MHz	60MHz	2.5x	2 & 3	2 & 3	Closed	Closed
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	Closed
180MHz	60MHz	3x	1 & 2	2 & 3	Closed	Closed
200MHz	66MHz	3x	1 & 2	2 & 3	Open	Closed
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (INTEL MMX)						
CPU speed	**Clock speed**	**Multiplier**	**JP5A**	**JP5B**	**JP7A**	**JP7B**
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	Closed
200MHz	66MHz	3x	1 & 2	2 & 3	Open	Closed
233MHz	66MHz	3.5x	1 & 2	1 & 2	Open	Closed
Note: Pins designated should be in the closed position.						

CPU TYPE SELECTION		
Type	**JP3A**	**JP3B**
AM K5	Pins 2 & 3 closed	Pins 2 & 3 closed
AM K6	Pins 1 & 2 closed	Pins 1 & 2 closed
CX 6X86	Pins 2 & 3 closed	Pins 2 & 3 closed
CX 6X86L	Pins 1 & 2 closed	Pins 1 & 2 closed
CX 6X86MX	Pins 1 & 2 closed	Pins 1 & 2 closed
IBM 6X86	Pins 2 & 3 closed	Pins 2 & 3 closed
IBM 6X86L	Pins 1 & 2 closed	Pins 1 & 2 closed
IBM 6X86MX	Pins 1 & 2 closed	Pins 1 & 2 closed
IDT C6	Pins 2 & 3 closed	Pins 2 & 3 closed
P54C	Pins 2 & 3 closed	Pins 2 & 3 closed
P55C	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU VOLTAGE SELECTION						
Voltage	**JP6A**	**JP6B**	**JP6C**	**JP6D**	**JP6E**	**JP6F**
2.2v	Open	Open	Open	Open	Open	Open
2.5v	Open	Open	Open	Open	Open	Closed
í 2.8v	Open	Open	Open	Open	Closed	Closed
2.9v	Open	Open	Open	Closed	Open	Closed
3.2v	Open	Open	Closed	Open	Open	Closed
3.3v	Open	Closed	Open	Open	Open	Closed
3.5v	Closed	Open	Open	Open	Open	Closed