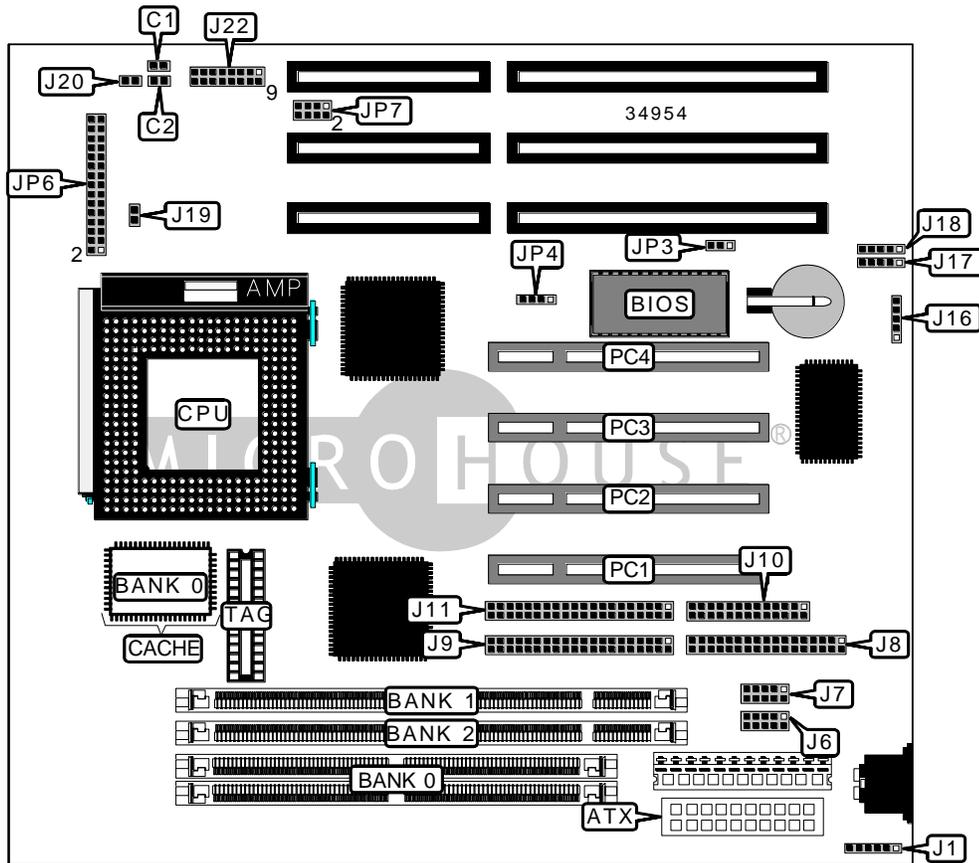


J-MARK COMPUTER CORPORATION

J - 5 T X B R 2

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 686MX/IBM 6X86MX/AM K5/AM K6/Pentium
Processor Speed	75/90/100/120/133/150/166/200/233/266/300MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	512KB
BIOS	Award
Dimensions	220mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, 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	USB connector 1	J17
IDE interface LED	C1	USB connector 2	J18
Green PC connector	C2	CPU fan power	J19
PS/2 mouse interface	J1	Soft off power supply	J20
Serial port 2	J6	Speaker	J22/pins 1 - 4
Serial port 1	J7	Reset switch	J22/pins 5 & 6
Floppy drive interface	J8	Turbo LED	J22/pins 7 & 8
IDE interface 1	J9	Power LED & keylock	J22/pins 9 - 13
Parallel port	J10	Turbo switch	J22/pins 14 - 16
IDE interface 2	J11	32-bit PCI slots	PC1 – PC4
IR connector	J16		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
Flash BIOS voltage select 12v	JP3	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP3	Pins 2 & 3 closed
í CMOS memory normal operation	JP4	Pins 2 & 3 closed
CMOS memory clear	JP4	Pins 3 & 4 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 memory.

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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

Note: Board accepts SDRAM memory.

CACHE CONFIGURATION		
Size	Bank 0	TAG
512KB	(1) 64K x 64	(1) 32K x 32

CPU SPEED SELECTION (CX 6X86)			
CPU speed	Clock speed	Multiplier	JP6
120MHz	50MHz	2x	Pins 17 & 18 closed
133MHz	55MHz	2x	Pins 19 & 20 closed
150MHz	60MHz	2x	Pins 21 & 22 closed
166MHz	66MHz	2x	Pins 23 & 24 closed
200MHz	75MHz	2x	Pins 25 & 26 closed

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CPU SPEED SELECTION (IBM 6X86)			
CPU speed	Clock speed	Multiplier	JP6
120MHz	50MHz	2x	Pins 17 & 18 closed
133MHz	55MHz	2x	Pins 19 & 20 closed
150MHz	60MHz	2x	Pins 21 & 22 closed
166MHz	66MHz	2x	Pins 23 & 24 closed
200MHz	75MHz	2x	Pins 25 & 26 closed

CPU SPEED SELECTION (CX 6X86MX)			
CPU speed	Clock speed	Multiplier	JP6
166MHz	66MHz	2.5x	Pins 11 & 12 closed
200MHz	66MHz	2.5x	Pins 13 & 14 closed
200MHz	75MHz	2x	Pins 25 & 26 closed
233MHz	66MHz	3x	Pins 15 & 16 closed

CPU SPEED SELECTION (AM K5)			
CPU speed	Clock speed	Multiplier	JP6
90MHz	60MHz	1.5x	Pins 3 & 4 closed
100MHz	66MHz	1.5x	Pins 5 & 6 closed
133MHz	66MHz	1.5x	Pins 5 & 6 closed
166MHz	66MHz	2.5x	Pins 13 & 14 closed

CPU SPEED SELECTION (AM K6)			
CPU speed	Clock speed	Multiplier	JP6
166MHz	66MHz	2.5x	Pins 13 & 14 closed
200MHz	66MHz	3x	Pins 15 & 16 closed
266MHz	66MHz	4x	Pins 27 & 28 closed
300MHz	66MHz	4.5x	Pins 29 & 30 closed

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CPU SPEED SELECTION (INTEL)			
CPU speed	Clock speed	Multiplier	JP6
75MHz	50MHz	1.5x	Pins 1 & 2 closed
90MHz	60MHz	1.5x	Pins 3 & 4 closed
100MHz	66MHz	1.5x	Pins 5 & 6 closed
120MHz	60MHz	2x	Pins 7 & 8 closed
133MHz	66MHz	2x	Pins 9 & 10 closed
150MHz	60MHz	2.5x	Pins 11 & 12 closed
166MHz	66MHz	2.5x	Pins 13 & 14 closed
200MHz	66MHz	3x	Pins 15 & 16 closed

CPU SPEED SELECTION (INTEL MMX)			
CPU speed	Clock speed	Multiplier	JP6
166MHz	66MHz	2.5x	Pins 13 & 14 closed
200MHz	66MHz	3x	Pins 15 & 16 closed
233MHz	66MHz	3.5x	Pins 5 & 6 closed

CPU VOLTAGE SELECTION				
Voltage	JP7/pins 1 & 2	JP7/pins 3 & 4	JP7/pins 5 & 6	JP7/pins 7 & 8
2.1v	Closed	Open	Open	Open
2.8v	Open	Open	Open	Closed
2.9v	Closed	Open	Open	Closed
3.1v	Open	Open	Closed	Closed
3.3v	Closed	Open	Closed	Closed
3.45v	Open	Closed	Closed	Closed
3.5v	Closed	Closed	Closed	Closed