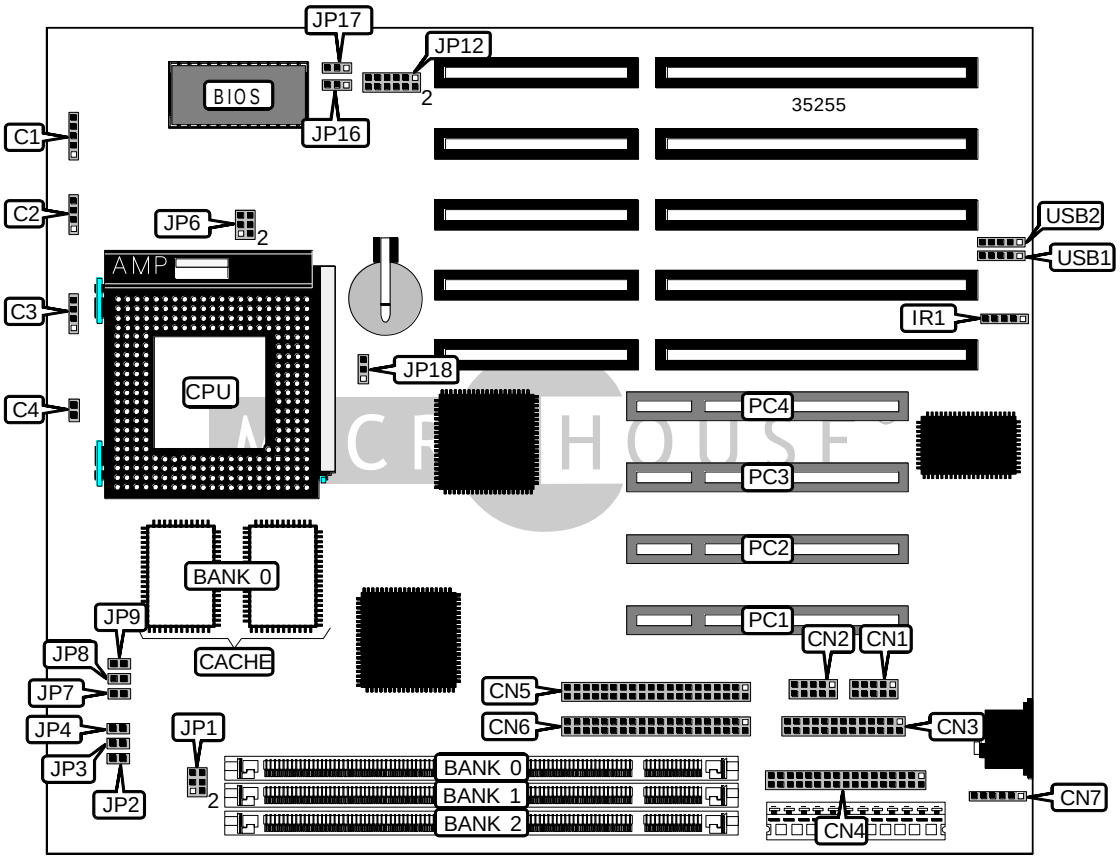
M TECHNOLOGY, INC.
R 5 4 1 M I G

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 6X86MX/AM K5/ AM K6/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/180/200/233/266MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	512KB
BIOS	AMI
Dimensions	280mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connectors (2)
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Power LED & keylock	C1	IDE interface 2	CN5
Speaker	C2	IDE interface 1	CN6
IDE interface LED	C3	PS/2 mouse interface	CN7
Reset switch	C4	IR connector	IR1
Serial port 2	CN1	32-bit PCI slots	PC1 – PC4
Serial port 1	CN2	USB connector 1	USB1
Parallel port	CN3	USB connector 2	USB2
Floppy drive interface	CN4		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JP18	Pins 1 & 2 closed
CMOS memory clear	JP18	Pins 2 & 3 closed

DIMM CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**Bank 2**
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

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DIMM CONFIGURATION (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
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) 8M x 64	(1) 8M x 64	None
Note: Board accepts EDO & SDRAM memory.			

DIMM VOLTAGE CONFIGURATION	
Voltage	**JP1**
3.3v	Pins 3 & 5, 4 & 6 closed
5v	Pins 1 & 3, 2 & 4 closed

CACHE CONFIGURATION	
Size	**Bank 0**
512KB	(2) 64K x 32

CPU SPEED SELECTION (CX 6X86)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP7**	**JP8**	**JP9**
133MHz	55MHz	2x	Closed	Closed	Open	Open	Open	Closed
150MHz	60MHz	2x	Closed	Open	Open	Closed	Open	Closed
166MHz	66MHz	2x	Open	Open	Open	Open	Open	Closed
200MHz	75MHz	2x	Open	Closed	Open	Open	Open	Closed

CPU SPEED SELECTION (IBM 6X86)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP7**	**JP8**	**JP9**
133MHz	55MHz	2x	Closed	Closed	Open	Open	Open	Closed
150MHz	60MHz	2x	Closed	Open	Open	Closed	Open	Closed
166MHz	66MHz	2x	Open	Open	Open	Open	Open	Closed
200MHz	75MHz	2x	Open	Closed	Open	Open	Open	Closed

CPU SPEED SELECTION (CX 6X86L)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP7**	**JP8**	**JP9**
133MHz	55MHz	2x	Closed	Closed	Open	Open	Open	Closed
150MHz	60MHz	2x	Closed	Open	Open	Closed	Open	Closed
166MHz	66MHz	2x	Open	Open	Open	Open	Open	Closed
200MHz	75MHz	2x	Open	Closed	Open	Open	Open	Closed

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CPU SPEED SELECTION (IBM 6X86L)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP7**	**JP8**	**JP9**
133MHz	55MHz	2x	Closed	Closed	Open	Open	Open	Closed
150MHz	60MHz	2x	Closed	Open	Open	Closed	Open	Closed
166MHz	66MHz	2x	Open	Open	Open	Open	Open	Closed
200MHz	75MHz	2x	Open	Closed	Open	Open	Open	Closed

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP7**	**JP8**	**JP9**
166MHz	60MHz	2.5x	Closed	Open	Open	Closed	Closed	Closed
200MHz	66MHz	2.5x	Open	Open	Open	Open	Closed	Closed
233MHz	66MHz	3x	Open	Open	Open	Open	Closed	Open
233MHz	75MHz	2.5x	Open	Closed	Open	Open	Closed	Closed
266MHz	66MHz	3.5x	Open	Open	Open	Open	Open	Open
266MHz	75MHz	3x	Open	Closed	Open	Open	Closed	Open

CPU SPEED SELECTION (AM K5)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP7**	**JP8**	**JP9**
90MHz	60MHz	1.5x	Closed	Open	Open	Closed	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open	Open	Open	Open
166MHz	66MHz	2.5x	Open	Open	Open	Open	Closed	Closed

CPU SPEED SELECTION (AM K6)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP7**	**JP8**	**JP9**
166MHz	66MHz	2.5x	Open	Open	Open	Open	Closed	Closed
200MHz	66MHz	3x	Open	Open	Open	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open	Open	Open	Open

CPU SPEED SELECTION (INTEL)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP7**	**JP8**	**JP9**
90MHz	60MHz	1.5x	Closed	Open	Open	Closed	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Open	Closed	Open	Closed
133MHz	66MHz	2x	Open	Open	Open	Open	Open	Closed
150MHz	60MHz	2.5x	Closed	Open	Open	Closed	Closed	Closed
166MHz	66MHz	2.5x	Open	Open	Open	Open	Closed	Closed
180MHz	60MHz	3x	Closed	Open	Open	Closed	Closed	Open
200MHz	66MHz	3x	Open	Open	Open	Open	Closed	Open

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CPU SPEED SELECTION (INTEL MMX)								
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP4**	**JP7**	**JP8**	**JP9**
166MHz	66MHz	2.5x	Open	Open	Open	Open	Closed	Closed
200MHz	66MHz	3x	Open	Open	Open	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open	Open	Open	Open

CPU VOLTAGE SELECTION (SINGLE)		
Voltage	**JP6**	**JP12**
3.4v	Pins 1 & 2, 3 & 4, 5 & 6 closed	Pins 3 & 4 closed
3.5v	Pins 1 & 2, 3 & 4, 5 & 6 closed	Pins 1 & 2 closed

CPU VOLTAGE SELECTION (DUAL)			
Voltage	**V core**	**JP6**	**JP12**
3.4v	2.5v	Open	Pins 11 & 12 closed
3.4v	2.8v	Open	Pins 9 & 10 closed
3.4v	2.9v	Open	Pins 7 & 8 closed
3.4v	3.2v	Open	Pins 5 & 6 closed

BIOS SELECTION		
Type	**JP16**	**JP17**
1M/5v	Pins 1 & 2 closed	Pins 2 & 3 closed
2M/5v	Pins 1 & 2 closed	Pins 1 & 2 closed