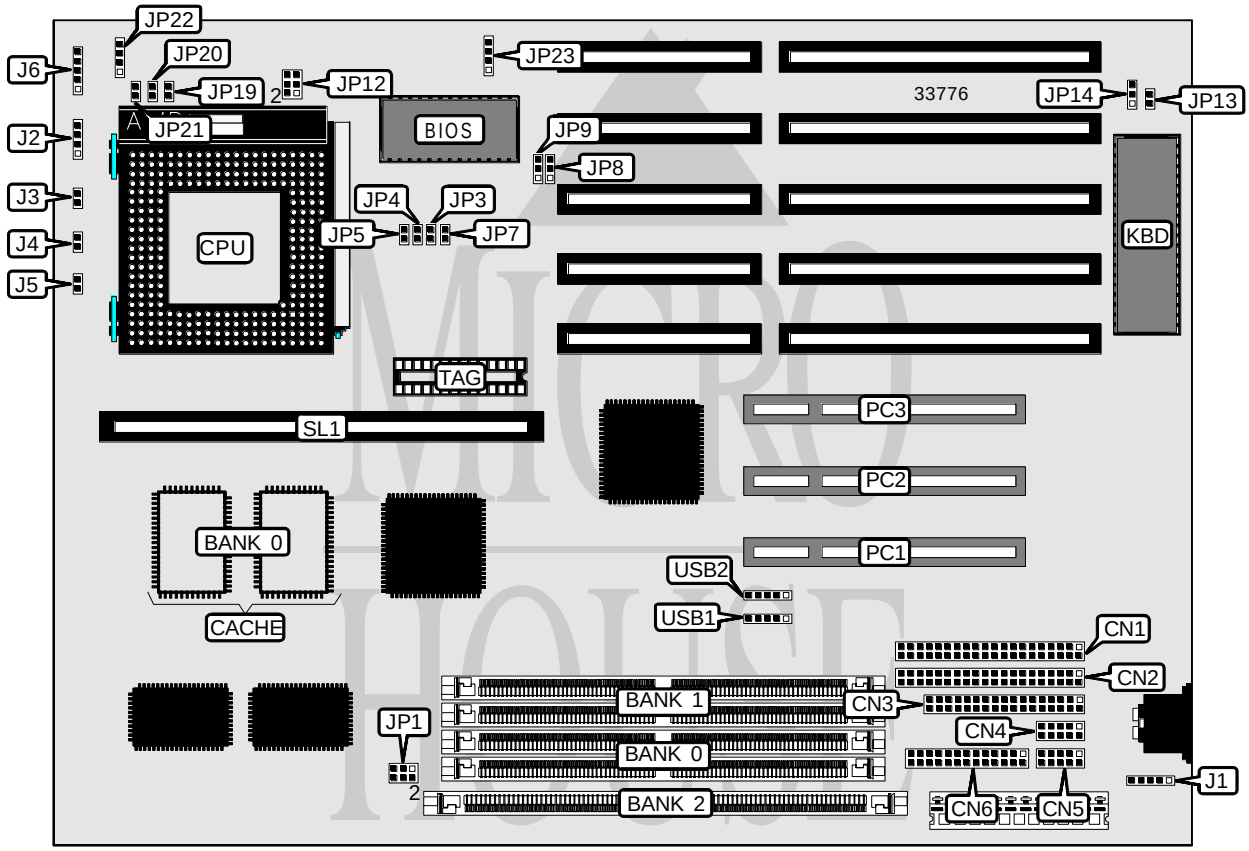
M TECHNOLOGY, INC.
R533 PENTIUM PCI/ISA

Processor	CX M1/IBM 6X86/AM K5/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	280mm x 220mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), cache slot, USB connectors (2)
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
IDE interface 2	CN1	Reset switch	J3
IDE interface 1	CN2	Green PC connector	J4
Floppy drive interface	CN3	IDE interface LED	J5
Serial port 2	CN4	Power LED & keylock	J6
Serial port 1	CN5	32-bit PCI slots	PC1 - PC3
Parallel port	CN6	Cache slot	SL1
Speaker	J2	USB connector 1	USB1
PS/2 mouse interface	J1	USB connector 2	USB2

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JP7	Open
CMOS memory clear	JP7	Closed
Monitor type select CGA	JP13	Closed
Monitor type select monochrome/EGA/VGA	JP13	Open
í PS/2 mouse enabled	JP14	Pins 1 & 2 closed
PS/2 mouse disabled	JP14	Pins 2 & 3 closed

DRAM/DIMM CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**Bank 2**
8MB	None	(2) 1M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36	None
16MB	None	(2) 2M x 36	None
16MB	None	None	(1) 2M x 64
24MB	(2) 2M x 36	(2) 1M x 36	None
24MB	(2) 1M x 36	(2) 2M x 36	None
24MB	(2) 1M x 36	None	(1) 2M x 64
32MB	(2) 2M x 36	(2) 2M x 36	None
32MB	None	(2) 4M x 36	None
32MB	(2) 2M x 36	None	(1) 2M x 64
40MB	(2) 4M x 36	(2) 1M x 36	None
40MB	(2) 1M x 36	(2) 4M x 36	None
40MB	(2) 1M x 36	None	(1) 4M x 64
48MB	(2) 4M x 36	(2) 2M x 36	None
48MB	(2) 2M x 36	(2) 4M x 36	None
48MB	(2) 4M x 36	None	(1) 2M x 64
48MB	(2) 2M x 36	None	(1) 4M x 64
64MB	(2) 4M x 36	(2) 4M x 36	None
64MB	None	(2) 8M x 36	None
64MB	(2) 4M x 36	None	(1) 4M x 64
72MB	(2) 8M x 36	(2) 1M x 36	None

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DRAM/DIMM CONFIGURATION (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
72MB	(2) 1M x 36	(2) 8M x 36	None
80MB	(2) 8M x 36	(2) 2M x 36	None
80MB	(2) 2M x 36	(2) 8M x 36	None
80MB	(2) 8M x 36	None	(1) 2M x 64
96MB	(2) 8M x 36	(2) 4M x 36	None
96MB	(2) 4M x 36	(2) 8M x 36	None
96MB	(2) 8M x 36	None	(1) 4M x 64
128MB	(2) 8M x 36	(2) 8M x 36	None
Note: Board accepts EDO memory. Board also accepts x 32 SIMMs.			

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**	**SL1**	**TAG**
256KB	(2) 32K x 32	Not installed	(1) 32K x 8
512KB	(2) 32K x 32	256KB module installed	(1) 32K x 8
512KB	(2) 64K x 32	256KB module installed	(1) 32K x 8

CPU SPEED SELECTION (CYRIX/IBM)								
CPU speed	**Clock speed**	**Multiplier**	**JP3**	**JP4**	**JP5**	**JP19**	**JP20**	**JP21**
120MHz	50MHz	2x	Open	Open	Open	Closed	Open	Open
133MHz	55MHz	2x	Open	Open	Closed	Closed	Open	Open
150MHz	60MHz	2x	Closed	Open	Open	Closed	Open	Closed
166MHz	66MHz	2x	Open	Closed	Open	Closed	Open	Open

CPU SPEED SELECTION (AMD)								
CPU speed	**Clock speed**	**Multiplier**	**JP3**	**JP4**	**JP5**	**JP19**	**JP20**	**JP21**
75MHz	50MHz	1.5x	Open	Open	Open	Open	Open	Open
90MHz	60MHz	1.5x	Closed	Open	Open	Open	Open	Closed
100MHz	66MHz	1.5x	Open	Closed	Open	Open	Open	Open

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CPU SPEED SELECTION (INTEL)								
CPU speed	**Clock speed**	**Multiplier**	**JP3**	**JP4**	**JP5**	**JP19**	**JP20**	**JP21**
75MHz	50MHz	1.5x	Open	Open	Open	Open	Open	Open
90MHz	60MHz	1.5x	Closed	Open	Open	Open	Open	Closed
100MHz	66MHz	1.5x	Open	Closed	Open	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Open	Closed	Open	Closed
133MHz	66MHz	2x	Open	Closed	Open	Closed	Open	Open
150MHz	60MHz	2.5x	Closed	Open	Open	Closed	Closed	Closed
166MHz	66MHz	2.5x	Open	Closed	Open	Closed	Closed	Open
180MHz	60MHz	3x	Closed	Open	Open	Open	Closed	Closed
200MHz	66MHz	3x	Open	Closed	Open	Open	Closed	Open

CPU VOLTAGE SELECTION (SINGLE POWER CPU)			
CPU type	**Voltage**	**JP12**	**JP22**
CX M1/IBM 6X86/AM K5/P54C	3.3v	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4
CX M1/IBM 6X86/AM K5/P54C	3.45v	1 & 2, 3 & 4, 5 & 6	1 & 2
CX M1/IBM 6X86/AM K5/P54C	3.5v	1 & 2, 3 & 4, 5 & 6	Open
Note: Pins designated should be in the closed position.			

CPU VOLTAGE SELECTION(DUAL POWER CPU)					
CPU type	**Voltage 1**	**Voltage 2**	**JP12**	**JP22**	**JP23**
P55C	3.3v	2.5v	Open	1 & 2, 3 & 4	1 & 2, 3 & 4
P55C	3.45v	2.7v	Open	1 & 2	1 & 2
P55C	3.5v	2.8v	Open	Open	Open
Note: Pins designated should be in the closed position.					

FLASH BIOS SELECTION		
Voltage	**JP8**	**JP9**
None	Pins 1 & 2 closed	Pins 1 & 2 closed
5v	Pins 1 & 2 closed	Pins 2 & 3 closed
12v	Pins 2 & 3 closed	Pins 2 & 3 closed