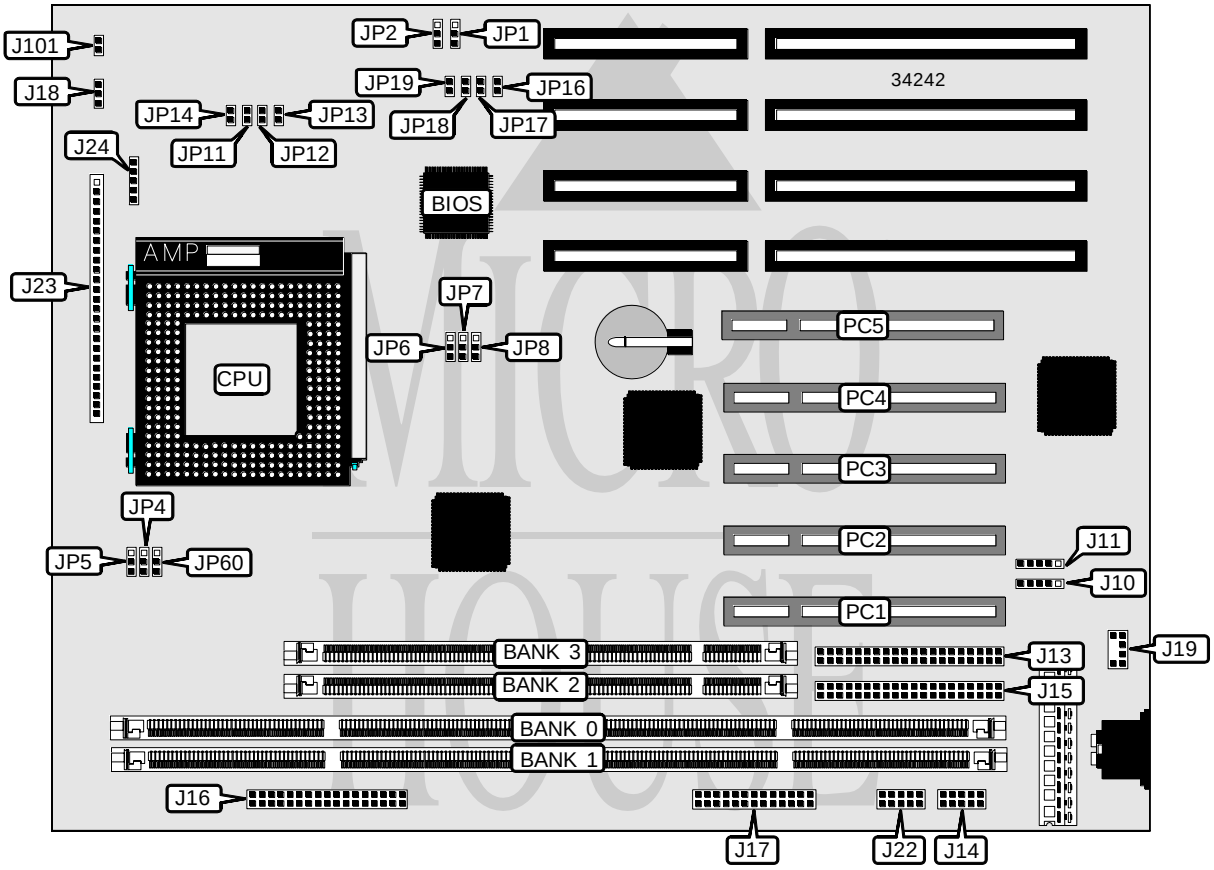
MICRONICS COMPUTERS, INC.
T W I S T E R A T

Processor	CX M1/AM K5/AM K6/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (5), floppy drive interface, green PC connector, 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**
USB connector 1	J10	Green PC connector	J23/pins 3 & 4
USB connector 2	J11	IR connector	J23/pins 6 - 10
IDE interface 2	J13	IDE interface LED	J23/pins 13 - 16
Serial port 2	J14	Power LED	J23/pins 18 - 20
IDE interface 1	J15	Reset switch	J23/pins 22 & 23
Floppy drive interface	J16	Speaker	J23/pins 24 - 27
Parallel port	J17	Power LED & keylock	J24
Chassis fan power	J18	SCSI interface LED	J101
PS/2 mouse interface	J19	32-bit PCI slots	PC1 – PC5
Serial port 1	J22		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JP1	Pins 1 & 2 closed
CMOS memory clear	JP1	Pins 2 & 3 closed
Flash BIOS normal operation	JP2	Pins 2 & 3 closed
Flash BIOS reserved	JP2	Pins 1 & 2 closed

DIMM/DRAM CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
8MB	(2) 1M x 36	None	None	None
8MB	None	None	(1) 1M x 64	None
16MB	(2) 2M x 36	None	None	None
16MB	(2) 1M x 36	(2) 1M x 36	None	None
16MB	(2) 1M x 36	None	None	(1) 1M x 64
16MB	None	None	(1) 2M x 64	None
16MB	None	None	(1) 1M x 64	(1) 1M x 64
24MB	(2) 2M x 36	(2) 1M x 36	None	None
24MB	(2) 2M x 36	None	None	(1) 1M x 64
24MB	None	None	(1) 2M x 64	(1) 1M x 64
32MB	(2) 4M x 36	None	None	None
32MB	(2) 2M x 36	(2) 2M x 36	None	None
32MB	(2) 2M x 36	None	None	(1) 2M x 64
32MB	None	None	(1) 4M x 64	None
32MB	None	None	(1) 2M x 64	(1) 2M x 64
40MB	(2) 4M x 36	(2) 1M x 36	None	None
40MB	(2) 4M x 36	None	None	(1) 1M x 64
40MB	None	None	(1) 1M x 64	(1) 4M x 64
48MB	(2) 4M x 36	(2) 2M x 36	None	None
48MB	(2) 2M x 36	None	None	(1) 4M x 64
48MB	None	None	(1) 2M x 64	(1) 4M x 64
64MB	(2) 8M x 36	None	None	None

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DIMM/DRAM CONFIGURATION (CON'T)				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
64MB	(2) 4M x 36	(2) 4M x 36	None	None
64MB	(2) 4M x 36	None	None	(1) 4M x 64
64MB	None	None	(1) 8M x 64	None
64MB	None	None	(1) 4M x 64	(1) 4M x 64
72MB	(2) 8M x 36	None	None	(1) 1M x 64
72MB	(2) 8M x 36	(2) 1M x 36	None	None
72MB	None	None	(1) 1M x 64	(1) 8M x 64
80MB	(2) 2M x 36	None	None	(1) 8M x 64
80MB	(2) 2M x 36	None	None	(1) 8M x 64
80MB	(2) 8M x 36	(2) 2M x 36	None	None
80MB	None	None	(1) 2M x 64	(1) 8M x 64
96MB	(2) 4M x 36	None	None	(1) 8M x 64
96MB	(2) 8M x 36	None	None	(1) 4M x 64
96MB	(2) 8M x 36	(2) 4M x 36	None	None
96MB	None	None	(1) 4M x 64	(1) 8M x 64
128MB	(2) 8M x 36	None	None	(1) 8M x 64
128MB	(2) 8M x 36	None	None	(1) 8M x 64
128MB	(2) 8M x 36	(2) 8M x 36	None	None
128MB	(2) 16M x 36	None	None	None
128MB	None	None	(1) 8M x 64	(1) 8M x 64
136MB	(2) 16M x 36	(2) 1M x 36	None	None
144MB	(2) 16M x 36	(2) 2M x 36	None	None
160MB	(2) 16M x 36	(2) 4M x 36	None	None
192MB	(2) 16M x 36	(2) 8M x 36	None	None
256MB	(2) 16M x 36	(2) 16M x 36	None	None
256MB	None	None	(1) 16M x 64	(1) 16M x 64
Note: Board accepts EDO memory. Banks 2 & 3 are interchangeable.				

CACHE CONFIGURATION	
Size	**Bank 0**
256KB	(2) 32K x 32
512KB	(2) 64K x 32
Note: The location of the cache is unidentified.	

CPU SPEED SELECTION (CYRIX)								
CPU speed	**Clock speed**	**Multiplier**	**JP4**	**JP5**	**JP6**	**JP7**	**JP8**	**JP60**
150MHz	50MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	Open
166MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	Open
Note: Pins designated should be in the closed position.								

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CPU SPEED SELECTION (AMD)								
CPU speed	**Clock speed**	**Multiplier**	**JP4**	**JP5**	**JP6**	**JP7**	**JP8**	**JP60**
75MHz	50MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	Open
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	Open
120MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	Open
133MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	Open
166MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3	Open
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3	Open
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (INTEL)								
CPU speed	**Clock speed**	**Multiplier**	**JP4**	**JP5**	**JP6**	**JP7**	**JP8**	**JP60**
75MHz	50MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	Open
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	Open
120MHz	60MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2	Open
133MHz	66MHz	2x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	Open
150MHz	60MHz	2.5x	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2	Open
166MHz	66MHz	2.5x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3	Open
180MHz	60MHz	3x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2	Open
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3	Open
233MHz	66MHz	3.5x	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3	Open
Note: Pins designated should be in the closed position.								

CPU TYPE SELECTION								
Type	**JP11**	**JP12**	**JP13**	**JP14**	**JP16**	**JP17**	**JP18**	**JP19**
CX6X86	Open	Closed	Open	Open	Open	Closed	Open	Open
CX6X86L	Open	Open	Open	Closed	Open	Closed	Open	Open
AM K5	Open	Open	Closed	Open	Open	Closed	Open	Open
AM K6	Open	Open	Open	Closed	Open	Closed	Open	Open
AM K6 233MHz	Closed	Open	Open	Open	Open	Closed	Open	Open
P54C	Open	Closed	Open	Open	Open	Closed	Open	Open
P54CS	Open	Closed	Open	Open	Open	Closed	Open	Open
P54CTB	Open	Closed	Open	Open	Open	Closed	Open	Open
P55C	Open	Open	Open	Closed	Open	Closed	Open	Open