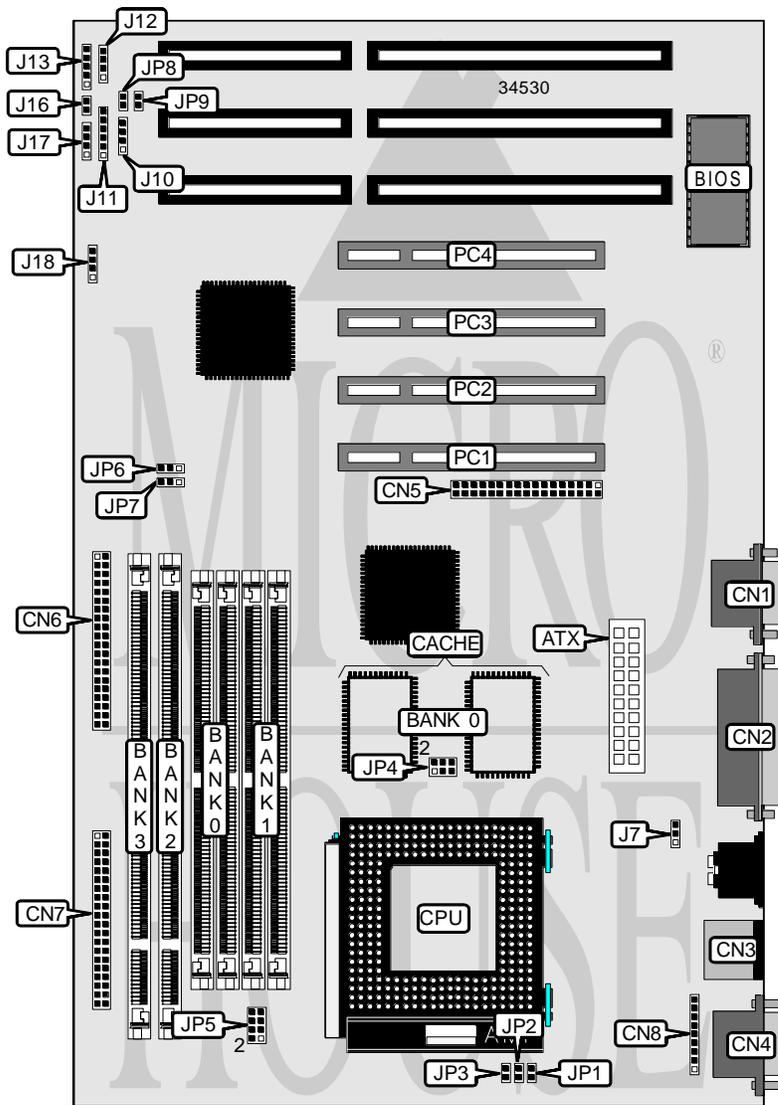


BCM ADVANCED RESEARCH, INC.

FR 5 5 0

Processor	CX 6X86/CX M2/AM K5/AM K6/Pentium
Processor Speed	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	305mm x 190mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connector, ATX power connector
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Chassis fan power	J7
Serial port 1	CN1	IR connector	J11
Parallel port	CN2	IDE interface LED	J12
PS/2 mouse port	CN3	Power LED & keylock	J13
2Serial port 1	CN4	Reset switch	J16
Floppy drive interface	CN5	Speaker	J17
IDE interface 1	CN6	External battery	J18
IDE interface 2	CN7	Soft off power supply	JP9
USB connector	CN8	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	J10	Unidentified
í Factory configured - do not alter	JP1	Unidentified
í Factory configured - do not alter	JP7	Unidentified
í CMOS memory normal operation	JP8	Open
CMOS memory clear	JP8	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
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. Banks are interchangeable.

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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) 8M x 64	(1) 8M x 64

CACHE CONFIGURATION	
Size	Bank 0
256KB	(2) 32K x 32
512KB	(2) 64K x 32

CPU SPEED SELECTION (CX 6X86)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP6
150MHz	60MHz	2x	Open	Closed	2 & 3
166MHz	66MHz	2x	Open	Closed	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX M2)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP6
166MHz	66MHz	2.5x	Closed	Closed	1 & 2
180MHz	60MHz	3x	Closed	Open	2 & 3
200MHz	66MHz	3x	Closed	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP6
90MHz	60MHz	1.5x	Open	Open	2 & 3
100MHz	66MHz	1.5x	Open	Open	1 & 2
120MHz	60MHz	2x	Open	Closed	2 & 3
133MHz	66MHz	2x	Open	Closed	1 & 2
166MHz	66MHz	2.5x	Closed	Closed	1 & 2
200MHz	66MHz	3x	Closed	Open	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (AM K6)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP6
166MHz	66MHz	2.5x	Closed	Closed	1 & 2
200MHz	66MHz	3x	Closed	Open	1 & 2
233MHz	66MHz	3.5x	Open	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP6
90MHz	60MHz	1.5x	Open	Open	2 & 3
100MHz	66MHz	1.5x	Open	Open	1 & 2
120MHz	60MHz	2x	Open	Closed	2 & 3
133MHz	66MHz	2x	Open	Closed	1 & 2
150MHz	60MHz	2.5x	Closed	Closed	2 & 3
166MHz	66MHz	2.5x	Closed	Closed	1 & 2
180MHz	60MHz	3x	Closed	Open	2 & 3
200MHz	66MHz	3x	Closed	Open	1 & 2
233MHz	66MHz	3.5x	Open	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)		
Voltage	JP4	JP5
3.38v	Pins 1 & 3, 2 & 4 closed	Pins 5 & 6 closed
3.5v	Pins 1 & 3, 2 & 4 closed	Pins 7 & 8 closed

CPU VOLTAGE SELECTION (DUAL)			
Voltage	V core	JP4	JP5
3.3v	2.8v	Pins 3 & 5, 4 & 6 closed	Open
3.3v	2.9v	Pins 3 & 5, 4 & 6 closed	Pins 1 & 2 closed
3.3v	3.2v	Pins 3 & 5, 4 & 6 closed	Pins 3 & 4 closed