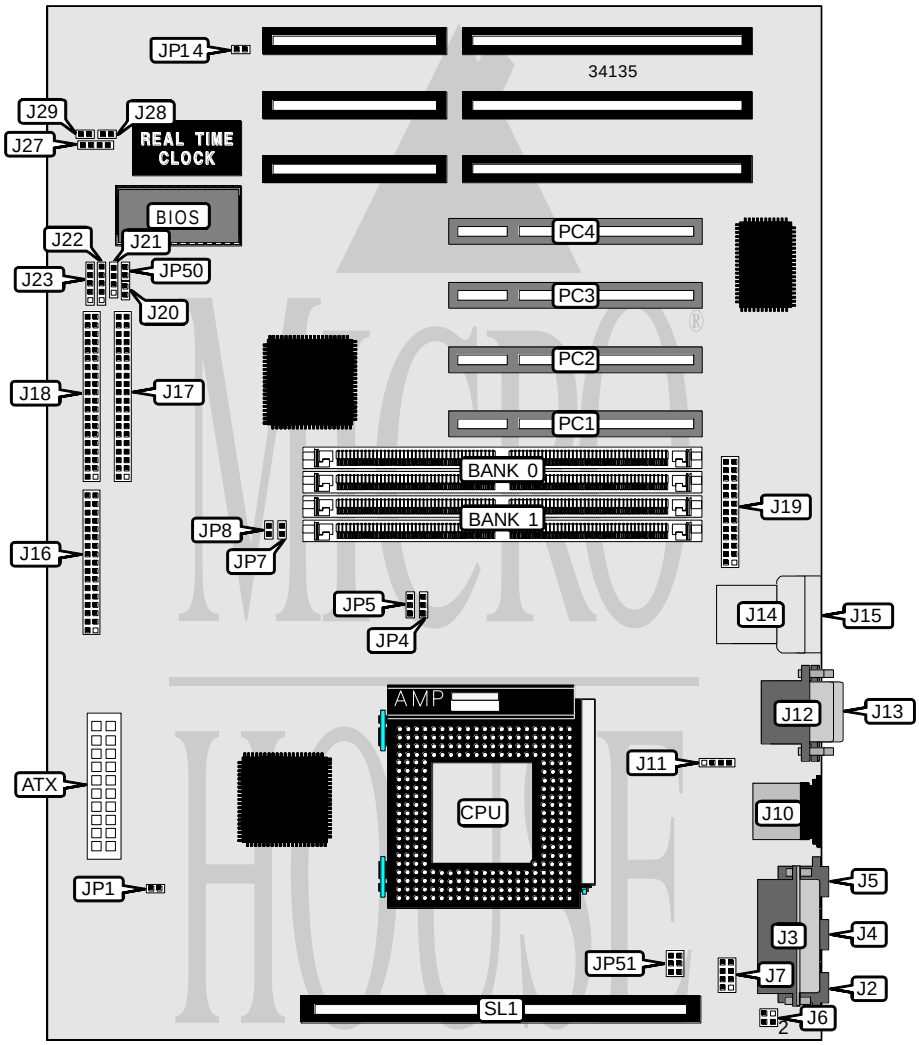
BCM ADVANCED RESEARCH, INC.
S Q 5 9 6

Processor	CX M1/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	285mm x 210mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), cache slot, IR connector, USB connectors (2), ATX power connector, line in connector, line out connector, microphone in connector, MIDI/joystick port, CD-ROM audio in connector, wavetable connector
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	IDE interface 2	J17
Line out connector	J2	IDE interface 1	J18
MIDI/joystick port	J3	Parallel port	J19
Microphone connector	J4	ATX power supply LED	J20
Line in connector	J5	IDE interface LED	J21
Speaker in connector	J6 pins 1 & 2	Power LED & keylock	J22
Wavetable connector	J7	IR connector	J23
PS/2 mouse port	J10	Speaker	J27
CD-ROM audio in connector	J11	Green PC connector	J28
Serial port 1	J12	Reset switch	J29
Serial port 2	J13	ATX power supply switch	JP50
USB connector 1	J14	32-bit PCI slots	PC1 – PC4
USB connector 2	J15	Cache slot	SL1
Floppy drive interface	J16		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JP14	Open
CMOS memory clear	JP14	Closed

DRAM 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
256MB	(2) 16M x 36	(2) 16M x 36
Note: Board accepts EDO memory.		

CACHE CONFIGURATION	
Size	**SL1**
256KB	256KB module installed
512KB	512KB module installed

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CPU SPEED SELECTION (CYRIX)						
CPU speed	**Clock speed**	**Multiplier**	**JP4**	**JP5**	**JP7**	**JP8**
120MHz	50MHz	2x	2 & 3	1 & 2	Closed	Closed
133MHz	55MHz	2x	2 & 3	1 & 2	Open	Open
150MHz	60MHz	2x	2 & 3	1 & 2	Closed	Open
166MHz	66MHz	2x	2 & 3	1 & 2	Open	Closed
Note: Pins designated should be in the closed position.						

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

CPU VOLTAGE SELECTION			
Voltage	**JP1**	**JP51**	**JP52**
2.5v (P55C)	Closed	Open	Closed
3.135v – 3.6v (P54C STD)	Closed	1 & 2, 3 & 4, 5 & 6	Open
3.4v – 3.6v (P54C VRE)	Open	1 & 2, 3 & 4, 5 & 6	Open
Note: Pins designated should be in the closed position. The location of JP52 is unidentified.			