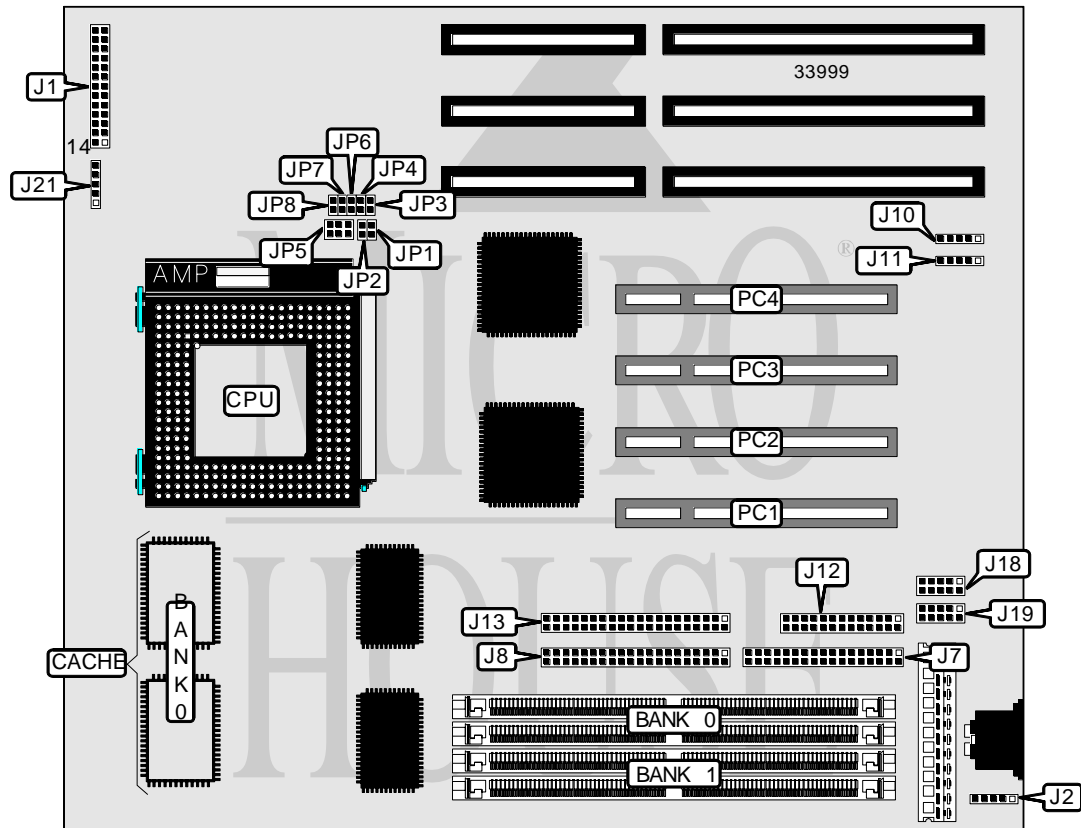


BCM ADVANCED RESEARCH, INC.

SQ591

Processor	CX M1/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	254mm x 218mm
I/O Options	32-bit PCI slots (4), 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



Continued on next page. . .

BCM ADVANCED RESEARCH, INC.

S Q 5 9 1

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	J1 pins 1 - 5	IDE interface 1	J8
Green PC LED	J1 pins 7 & 8	USB connector 2	J10
IDE interface LED	J1 pins 10 - 13	USB connector 1	J11
Speaker	J1 pins 14 - 17	Parallel port	J12
Green PC connector	J1 pins 19 & 20	IDE interface 2	J13
Turbo LED	J1 pins 22 & 23	Serial port 1	J18
Reset switch	J1 pins 25 & 26	Serial port 2	J19
PS/2 mouse interface	J2	IR connector	J21
Floppy drive interface	J7	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS		
Function	Label	Position
CMOS memory normal operation	JP3	Open
CMOS memory clear	JP3	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

Note: Board accepts EDO memory. Banks are interchangeable.

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

Continued on next page. ...

BCM ADVANCED RESEARCH, INC.

SQ591

... continued from previous page

CPU SPEED SELECTION (CYRIX)						
CPU speed	Clock speed	Multiplier	JP4	JP6	JP7	JP8
120MHz	50MHz	2x	Closed	Open	Closed	Closed
133MHz	60MHz	2x	Closed	Open	Open	Open
150MHz	66MHz	2x	Closed	Open	Closed	Open
166MHz	60MHz	2x	Closed	Open	Open	Closed

CPU SPEED SELECTION (AMD)						
CPU speed	Clock speed	Multiplier	JP4	JP6	JP7	JP8
75MHz	50MHz	1.5x	Open	Open	Closed	Closed
90MHz	60MHz	1.5x	Open	Open	Closed	Open
100MHz	66MHz	1.5x	Open	Open	Open	Closed
120MHz	60MHz	2x	Closed	Open	Closed	Open
133MHz	66MHz	2x	Closed	Open	Open	Closed
150MHz	60MHz	2.5x	Closed	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Closed	Open	Closed
180MHz	60MHz	3x	Open	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open	Closed

CPU SPEED SELECTION (INTEL)						
CPU speed	Clock speed	Multiplier	JP4	JP6	JP7	JP8
75MHz	50MHz	1.5x	Open	Open	Closed	Closed
90MHz	60MHz	1.5x	Open	Open	Closed	Open
100MHz	66MHz	1.5x	Open	Open	Open	Closed
120MHz	60MHz	2x	Closed	Open	Closed	Open
133MHz	66MHz	2x	Closed	Open	Open	Closed
150MHz	60MHz	2.5x	Closed	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Closed	Open	Closed
180MHz	60MHz	3x	Open	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open	Closed

CPU VOLTAGE SELECTION (CYRIX)				
CPU type	Voltage	JP1	JP2	JP5
STD	3.15v – 3.6v	Open	Closed	1 & 2, 3 & 4, 5 & 6
VRE	3.4v – 3.6v	Open	Open	1 & 2, 3 & 4, 5 & 6
N/A (future use)	2.5v	Closed	Closed	Open
N/A (future use)	2.8v	Open	Closed	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (AMD)				
CPU type	Voltage	JP1	JP2	JP5
AM K5 (STD)	3.155v – 3.6v	Open	Closed	1 & 2, 3 & 4, 5 & 6
AM K5 (VRE)	3.4v – 3.6v	Open	Open	1 & 2, 3 & 4, 5 & 6

Note: Pins designated should be in the closed position.

Continued on next page. . .

BCM ADVANCED RESEARCH, INC.

SQ591

... continued from previous page

CPU VOLTAGE SELECTION (INTEL, SINGLE)				
CPU type	Voltage	JP1	JP2	JP5
P54C (STD)	3.155v – 3.6v	Open	Closed	1 & 2, 3 & 4, 5 & 6
P54C (VRE)	3.4v – 3.6v	Open	Open	1 & 2, 3 & 4, 5 & 6

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (INTEL, DUAL)					
CPU type	Voltage	V core	JP1	JP2	JP5
P55C	3.38v	2.5v	Closed	Closed	Open
P55C	3.38v	2.8v	Open	Closed	Open