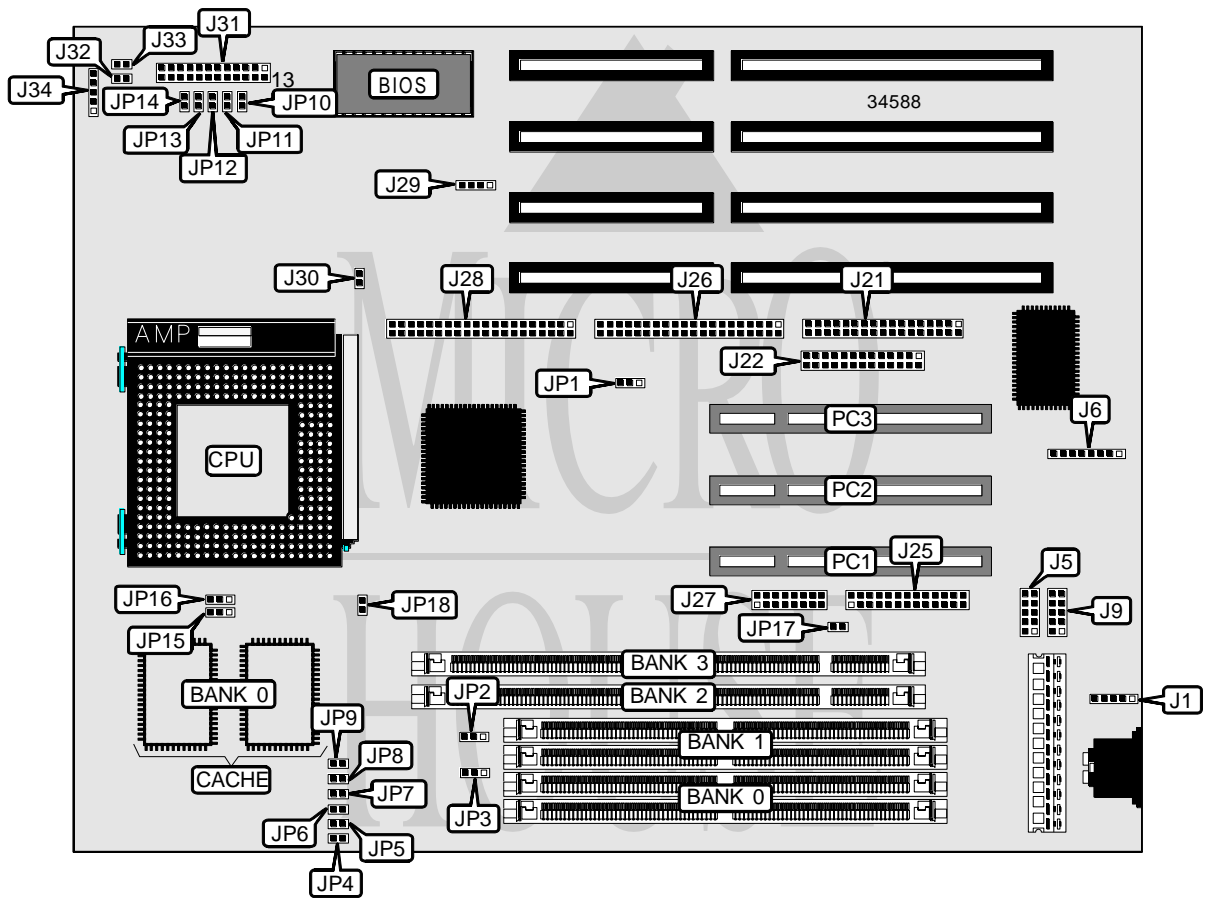


BCM ADVANCED RESEARCH, INC.

SQ578

Processor	CX 6X86/CX 6X86L/CX 686MX/IDT-C6/AM K5/Pentium
Processor Speed	75/90/100/120/133/150/166/200/233/266/300MHz
Chip Set	SIS
Video Chip Set	Unidentified
Maximum Onboard Memory	256MB
Maximum Video Memory	Unidentified
Cache	256/512KB
BIOS	Unidentified
Dimensions	270mm x 220mm
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), VGA feature connector, VGA interface, IR connector, USB connector
NPU Options	None



Continued on next page . . .

BCM ADVANCED RESEARCH, INC.
SQ578

... continued from previous page

CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse interface	J1	External battery	J29
Serial port 1	J5	Chassis fan power	J30
USB connector	J6	Power LED & keylock	J31/pins 1 - 5
Serial port 2	J9	Speaker	J31/pins 7 - 10
Floppy drive interface	J21	IDE interface LED	J31/pins 12 & 24
Parallel port	J22	Reset switch	J31/pins 21 & 22
VGA feature connector	J25	Green PC connector	J32
IDE interface 2	J26	Green PC LED	J33
VGA interface	J27	IR connector	J34
IDE interface 1	J28	32-bit PCI slots	PC1 – PC4

USER CONFIGURABLE SETTINGS		
Function	Label	Position
CMOS memory normal operation	JP1	Pins 1 & 2 closed
CMOS memory clear	JP1	Pins 2 & 3 closed
Cyrix linear bust mode select interleave burst	JP18	Open
Cyrix linear bust mode select linear burst	JP18	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.

Continued on next page...

BCM ADVANCED RESEARCH, INC.
SQ578

... continued from previous page

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) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64

DIMM VOLTAGE CONFIGURATION	
Voltage	JP2
3.3v	Pins 2 & 3 closed
5v	Pins 1 & 2 closed

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

CPU SPEED SELECTION (CX 6X86/6X86L)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
120MHz	50MHz	2x	Closed	Closed	Open	Closed	Open	Open
133MHz	55MHz	2x	Open	Open	Open	Closed	Open	Open
150MHz	60MHz	2x	Open	Closed	Open	Closed	Open	Open
166MHz	66MHz	2x	Closed	Open	Open	Closed	Open	Open
200MHz	75MHz	2x	Closed	Closed	Closed	Closed	Open	Open

Continued on next page...

BCM ADVANCED RESEARCH, INC.
SQ578

... continued from previous page

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
133MHz	50MHz	2x	Closed	Closed	Open	Closed	Open	Open
133MHz	55MHz	2x	Open	Open	Open	Closed	Open	Open
150MHz	60MHz	2x	Open	Closed	Open	Closed	Open	Open
150MHz	50MHz	2.5x	Closed	Closed	Open	Closed	Closed	Open
166MHz	66MHz	2x	Closed	Open	Open	Closed	Open	Open
166MHz	75MHz	2.5x	Open	Open	Open	Closed	Closed	Open
166MHz	50MHz	3x	Closed	Closed	Open	Open	Closed	Open
166MHz	60MHz	2.5x	Open	Closed	Open	Closed	Closed	Open
200MHz	75MHz	2x	Closed	Closed	Closed	Closed	Open	Open
200MHz	75MHz	3x	Open	Open	Open	Open	Closed	Open
200MHz	55MHz	2.5x	Closed	Open	Open	Closed	Closed	Open
200MHz	60MHz	3x	Open	Closed	Open	Open	Closed	Open
233MHz	75MHz	2.5x	Closed	Closed	Closed	Closed	Closed	Open
233MHz	66MHz	3x	Closed	Open	Open	Open	Closed	Open
266MHz	66MHz	3.5x	Closed	Open	Open	Open	Open	Open
266MHz	75MHz	3x	Closed	Closed	Closed	Open	Closed	Open

CPU SPEED SELECTION (AMD)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
75MHz	50MHz	1.5x	Closed	Closed	Open	Open	Open	Open
90MHz	60MHz	1.5x	Open	Closed	Open	Open	Open	Open
100MHz	66MHz	1.5x	Closed	Open	Open	Open	Open	Open
120MHz	60MHz	2x	Open	Closed	Open	Closed	Open	Open
133MHz	66MHz	2x	Closed	Open	Open	Closed	Open	Open
150MHz	60MHz	2.5x	Open	Closed	Open	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Open	Open	Closed	Closed	Open
200MHz	66MHz	3x	Closed	Open	Open	Open	Closed	Open
233MHz	66MHz	3.5x	Closed	Open	Open	Open	Open	Open
266MHz	66MHz	4x	Closed	Open	Open	Closed	Open	Closed
300MHz	66MHz	4.5x	Closed	Open	Open	Closed	Closed	Closed

CPU SPEED SELECTION (IDT-C6)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
150MHz	50MHz	3x	Closed	Closed	Open	Open	Closed	Open
150MHz	75MHz	2x	Closed	Closed	Closed	Closed	Open	Open
180MHz	60MHz	3x	Open	Closed	Open	Open	Closed	Open
200MHz	66MHz	3x	Closed	Open	Open	Open	Closed	Open

Continued on next page. . .

BCM ADVANCED RESEARCH, INC.
SQ578

... continued from previous page

CPU SPEED SELECTION (INTEL)								
CPU speed	Clock speed	Multiplier	JP4	JP5	JP6	JP7	JP8	JP9
75MHz	50MHz	1.5x	Closed	Closed	Open	Open	Open	Open
90MHz	60MHz	1.5x	Open	Closed	Open	Open	Open	Open
100MHz	66MHz	1.5x	Closed	Open	Open	Open	Open	Open
120MHz	60MHz	2x	Open	Closed	Open	Closed	Open	Open
133MHz	66MHz	2x	Closed	Open	Open	Closed	Open	Open
150MHz	60MHz	2.5x	Open	Closed	Open	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Open	Open	Closed	Closed	Open
200MHz	66MHz	3x	Closed	Open	Open	Open	Closed	Open
233MHz	66MHz	3.5x	Closed	Open	Open	Open	Open	Open
266MHz	66MHz	4x	Closed	Open	Open	Closed	Open	Closed
300MHz	66MHz	4.5x	Closed	Open	Open	Closed	Closed	Closed

CPU VOLTAGE SELECTION (SINGLE)							
Voltage	JP10	JP11	JP12	JP13	JP14	JP15	JP16
3.38v	Open	Open	Open	Closed	Open	1 & 2	1 & 2
3.52v	Open	Open	Open	Open	Closed	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (DUAL)								
Voltage	V core	JP10	JP11	JP12	JP13	JP14	JP15	JP16
3.3v	2.1	Open	Open	Open	Open	Open	2 & 3	2 & 3
3.3v	2.8	Closed	Open	Open	Open	Open	2 & 3	2 & 3
3.3v	2.9	Open	Closed	Open	Open	Open	2 & 3	2 & 3
3.3v	3.2	Open	Open	Closed	Open	Open	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

ON BOARD VGA SELECTION		
Setting	JP3	JP17
Enabled	Pins 2 & 3 closed	Open
Disabled	Pins 1 & 2 closed	Closed

Note: these jumpers are optional and may not be present.