AXIOM TECHNOLOGY, INC.
AX8175 (VER. A2)

Processor	80486SX/80486DX/80486DX2/80486DX4/CX 5X86/AM 5X86
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
Chip Set	Unidentified
Video Chip Set	Unidentified
Maximum Onboard Memory	64MB
Maximum Video Memory	1MB
Cache	128KB
BIOS	AMI
Dimensions	Unidentified
I/O Options	Floppy drive interface, IDE interface, parallel port, PS/2 mouse interface, serial ports (2), VGA interface, PC/104 connectors (4), flat panel connector
NPU Options	None
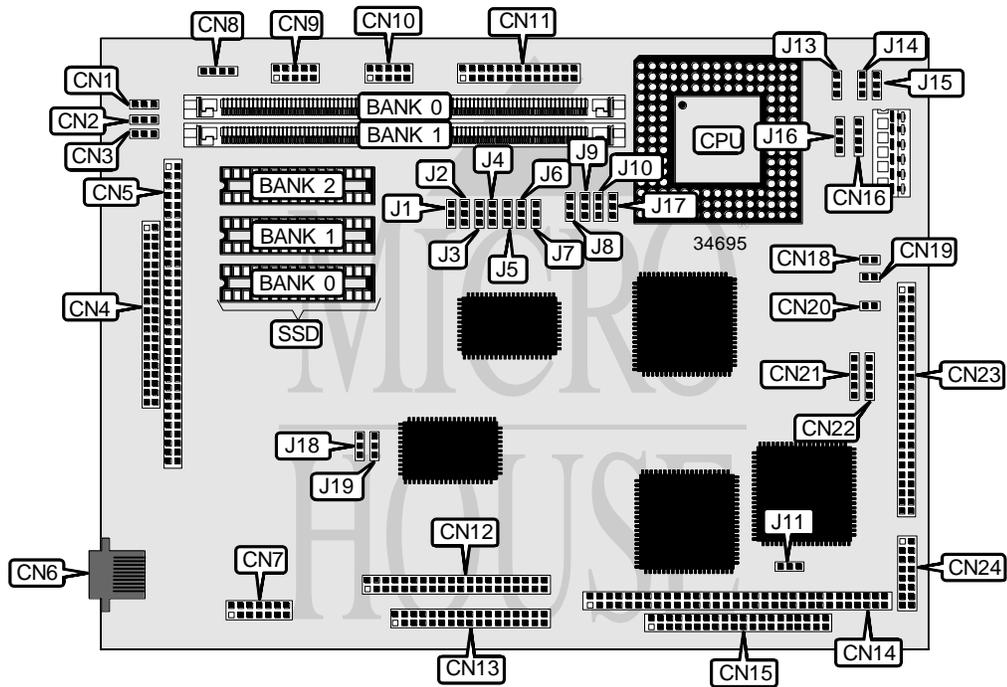
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
External watchdog trigger input	CN1	Floppy drive interface	CN13
External power connector	CN2	PC/104 connector (16-bit)	CN14
External watchdog output	CN3	PC/104 connector (8-bit)	CN15
PC/104 connector (8-bit)	CN4	Speaker	CN16
PC/104 connector (16-bit)	CN5	Turbo LED	CN18
RJ-45 connector	CN6	IDE interface LED	CN19
AUI connector	CN7	Reset switch	CN20
External battery	CN8	Auxiliary keyboard connector	CN21
Serial port 1	CN9	PS/2 mouse interface	CN22
Serial port 2	CN10	Flat panel connector	CN23
Parallel port	CN11	VGA interface	CN24
IDE interface	CN12		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í SHFCLK normal operation	J7	Pins 1 & 2 closed
SHFCLK inverted	J7	Pins 2 & 3 closed
í On board video enabled	J11	Pins 1 & 2 closed
On board video disabled	J11	Pins 2 & 3 closed

SIMM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(1) 256K x 36	None
2MB	(1) 512K x 36	None
2MB	(1) 256K x 36	(1) 256K x 36
3MB	(1) 256K x 36	(1) 512K x 36
4MB	(1) 1M x 36	None
4MB	(1) 512K x 36	(1) 512K x 36
5MB	(1) 1M x 36	(1) 256K x 36
6MB	(1) 1M x 36	(1) 512K x 36
8MB	(1) 2M x 36	None
8MB	(1) 1M x 36	(1) 1M x 36
9MB	(1) 2M x 36	(1) 256K x 36
10MB	(1) 2M x 36	(1) 512K x 36
12MB	(1) 2M x 36	(1) 1M x 36
16MB	(1) 4M x 36	None
17MB	(1) 4M x 36	(1) 256K x 36
18MB	(1) 4M x 36	(1) 512K x 36
20MB	(1) 4M x 36	(1) 1M x 36
24MB	(1) 4M x 36	(1) 2M x 36
32MB	(1) 8M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36

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SIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
33MB	(1) 8M x 36	(1) 256K x 36
34MB	(1) 8M x 36	(1) 512K x 36
36MB	(1) 8M x 36	(1) 1M x 36
40MB	(1) 8M x 36	(1) 2M x 36
48MB	(1) 8M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION
Note: 128KB cache is factory installed and is not configurable. The location is unidentified.

VIDEO MEMORY CONFIGURATION
Note: 1MB video memory is factory installed and is not configurable. The location is unidentified.

CPU SPEED SELECTION			
Speed	J8	J9	J10
25MHz	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
33MHz	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
40MHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
50iMHz	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
50MHz	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
66iMHz	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
75iMHz	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
100iMHz	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU TYPE SELECTION			
Type	J15	J16	J17
80486SX	Open	Pins 2 & 3 closed	Pins 1 & 2 closed
80486DX	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed
AM 5X86	Pins 1 & 2 closed	Pins 1 & 2, 3 & 4 closed	Pins 2 & 3 closed

CPU VOLTAGE SELECTION		
Voltage	J13	J14
í 3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
3.45v	Pins 2 & 3 closed	Pins 1 & 2 closed
5v	Pins 1 & 2 closed	Open

SSD SELECTION		
Setting	J18 (Bank 0)	J19 (Bank 1)
EPROM	Pins 1 & 2 closed	Pins 1 & 2 closed
Flash	Pins 2 & 3 closed	Pins 2 & 3 closed

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FLASH DISK SELECTION (SSD BANK 2)					
Type	**J1**	**J2**	**J3**	**J4**	**J5**
29F010	Open	Open	1 & 2	1 & 2	1 & 2
í 29F040	1 & 2	Open	1 & 2	1 & 2	1 & 2
58C1000	2 & 3	Open	2 & 3	2 & 3	2 & 3
58C4000	1 & 2	Open	2 & 3	2 & 3	2 & 3
27C512	2 & 3	Open	Open	1 & 2	1 & 2
27C010	Open	Open	1 & 2	1 & 2	1 & 2
27C020	1 & 2	Open	1 & 2	1 & 2	1 & 2
27C040	1 & 2	1 & 2	Open	1 & 2	1 & 2
Note: Pins designated should be in the closed position.					

WATCHDOG TIMER SELECTION	
Setting	**J6**
Active NMI when watchdog trigger	Pins 1 & 2 closed
Reset system when watchdog trigger	Pins 2 & 3 closed
Disabled	Open