IBM CORPORATION
APTIVA 2144/2168 C-2

Processor	80486SX/80486SX2/80487SX/486 Overdrive/80486DX/80486DX2
Processor Speed	25/33/50(internal)/66(internal)MHz
Chip Set	Unidentified
Video Chip Set	None
Maximum Onboard Memory	128MB
Maximum Video Memory	None
Cache	128/256KB
BIOS	IBM
Dimensions	330mm x 218mm
I/O Options	32-bit VESA/PCI local bus slot, floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2),VESA feature connector, VGA port, riser slot
NPU Options	None
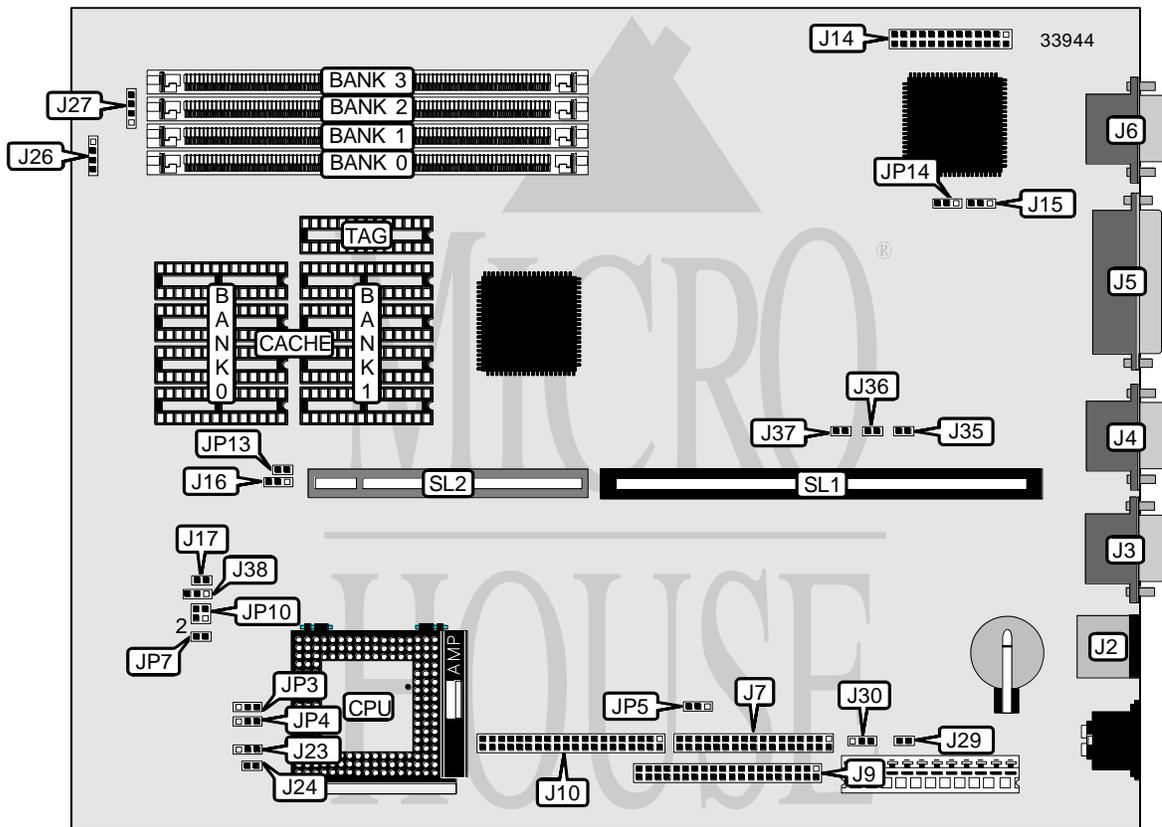
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
PS/2 mouse port	J2	VESA feature connector	J14
Serial port 1	J3	LED connector	J26
Serial port 2	J4	Speaker	J27
Parallel port	J5	On/off switch connector	J29
VGA port	J6	On/off switch power supply connector	J30
Floppy drive interface	J7	Riser slot	SL1
IDE interface 1	J9	32-bit VESA/PCI local bus slot	SL2
IDE interface 2	J10		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í On board video enabled	J15	Pins 1 & 2 closed
On board video disabled	J15	Pins 2 & 3 closed
í Modem answers on ring	JP5	Pins 2 & 3 closed
Modem does not answer on ring	JP5	Pins 1 & 2 closed
Factory configured - do not alter	JP10	Unidentified
í CMOS memory normal operation	JP14	Pins 1 & 2 closed
CMOS memory clear	JP14	Pins 2 & 3 closed

DRAM CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
2MB	(1) 512K x 36	None	None	None
4MB	(1) 1M x 36	None	None	None
6MB	(1) 512K x 36	(1) 1M x 36	None	None
8MB	(1) 1M x 36	(1) 1M x 36	None	None
8MB	(1) 2M x 36	None	None	None
10MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	None
12MB	(1) 512K x 36	(1) 512K x 36	(1) 2M x 36	None
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
12MB	(1) 1M x 36	(1) 2M x 36	None	None
16MB	(1) 4M x 36	None	None	None
16MB	(1) 1M x 36	(1) 1M x 36	(1) 2M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36	None	None
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
20MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	None
20MB	(1) 1M x 36	(1) 4M x 36	None	None
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	None
24MB	(1) 1M x 36	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	None
28MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
28MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36

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Size	Bank 0	Bank 1	Bank 2	Bank 3
DRAM CONFIGURATION (CON'T)				
32MB	(1) 4M x 36	None	None	None
32MB	(1) 8M x 36	(1) 2M x 36	None	None
32MB	(1) 2M x 36	(1) 2M x 36	(1) 4M x 36	None
32MB	(1) 2M x 36	(1) 4M x 36	(1) 2M x 36	None
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	None
40MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	None
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	None
48MB	(1) 2M x 36	(1) 2M x 36	(1) 8M x 36	None
48MB	(1) 2M x 36	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36
52MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 8M x 36	None	None
64MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	None
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
68MB	(1) 1M x 36	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
80MB	(1) 2M x 36	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36
84MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	(1) 4M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	None
96MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
100MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

Size	Bank 0	Bank 1	TAG
CACHE CONFIGURATION			
128KB	(4) 32K x 8	None	(1) 8K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8

Size	J16	J17	J38
CACHE JUMPER CONFIGURATION			
128KB	Pins 2 & 3 closed	Open	Open
256KB	Pins 1 & 2 closed	Closed	Open

Speed	J35	J36	J37
CPU SPEED SELECTION			
25MHz	Open	Closed	Closed
33MHz	Open	Closed	Open
50iMHz	Open	Closed	Closed
50MHz	Open	Open	Open
66iMHz	Open	Closed	Open

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CPU TYPE SELECTION		
Type	**J23**	**J24**
80486SX	Pins 1 & 2 closed	Open
80486SX2	Pins 2 & 3 closed	Open
80487SX	Pins 2 & 3 closed	Closed
486 Overdrive	Pins 2 & 3 closed	Closed
80486DX	Pins 2 & 3 closed	Open
80486DX2	Pins 2 & 3 closed	Open

LOCAL BUS SELECTION				
Setting	**JP3**	**JP4**	**JP7**	**JP13**
VESA local bus	Pins 1 & 2 closed	Pins 1 & 2 closed	Unidentified	Unidentified
PCI local bus	Pins 2 & 3 closed	Pins 2 & 3 closed	Unidentified	Unidentified