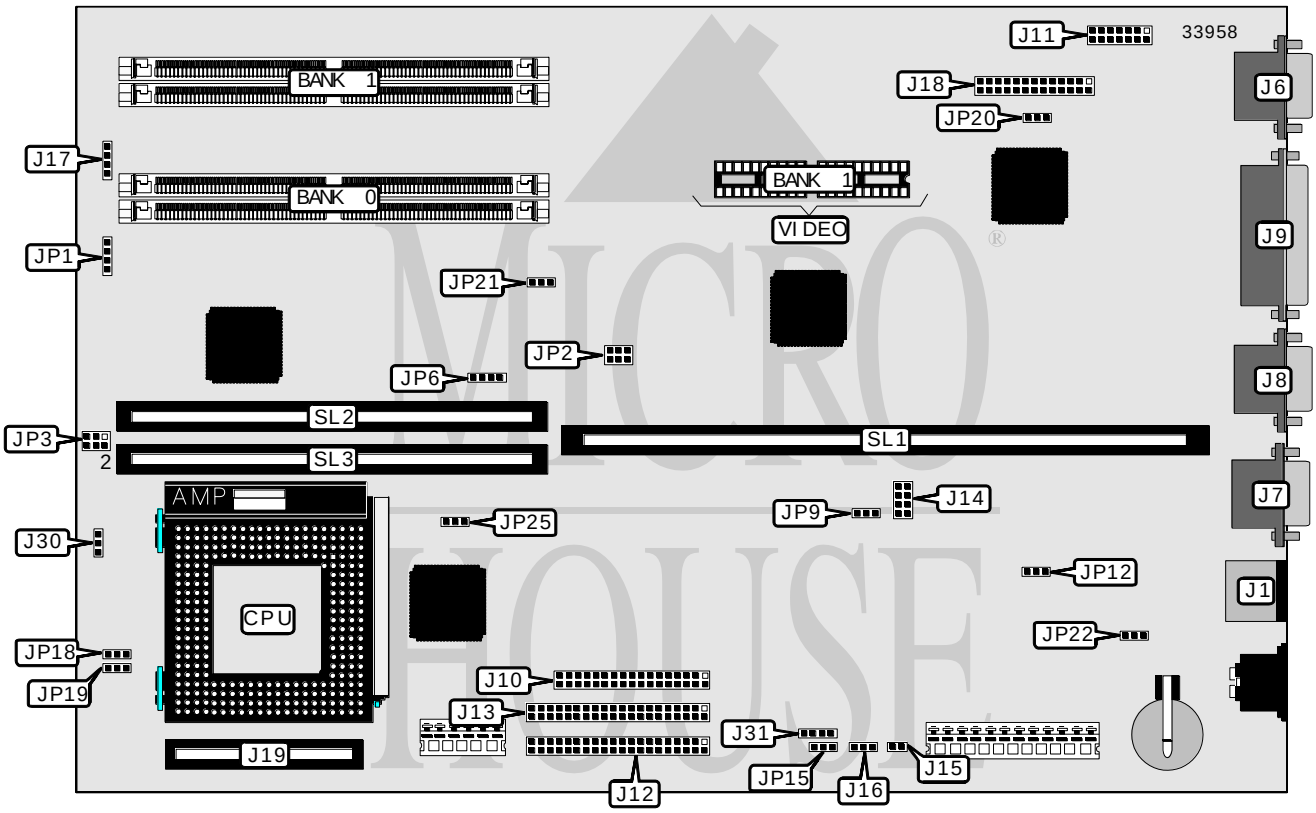
IBM CORPORATION
APTIVA 2144, 2168 TYPE H-2, I-2

Processor	CX M1/Pentium
Processor Speed	75/90/100/120/133/150/166MHz
Chip Set	Unidentified
Video Chip Set	Unidentified
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	2MB
Cache	256/512KB
BIOS	Unidentified
Dimensions	330mm x 218mm
I/O Options	Floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, ports (2), VESA feature connector, VGA port, VGA interface, riser slot, cache slots (2), VRM connector, modem wake up connector, power supply connectors (2)
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
PS/2 mouse port	J1	32-bit PCI slots	J16
VGA port	J6	Power LED	J17 pins 1 & 2
Serial port 1	J7	IDE interface LED	J17 pins 3 & 4
Serial port 2	J8	VESA feature connector	J18
Parallel port	J9	External VRM connector	J19
Floppy drive interface	J10	Chassis fan power	J30
VGA interface	J11	Modem wake up connector	J31
IDE interface 1	J12	Speaker	JP1
IDE interface 2	J13	Riser slot	SL1
VRM connector	J14	Cache slot 2	SL2
Power supply connector	J15	Cache slot 1	SL3

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
Flash BIOS normal operation	JP9	Pins 1 & 2 closed
Floppy drive write protect enabled	JP12	Pins 1 & 2 closed
Floppy drive write protect disabled	JP12	Open
Smart Energy System enabled	JP15	Pins 2 & 3 closed
Smart Energy System disabled	JP15	Pins 1 & 2 closed
? CMOS memory normal operation	JP22	Pins 1 & 2 closed
CMOS memory clear	JP22	Open

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. Board also accepts x 32 SIMMs. Banks are interchangeable.		

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DRAM JUMPER CONFIGURATION	
Type	**JP20**
Normal DRAM	Pins 1 & 2 closed
EDO DRAM	Pins 2 & 3 closed

CACHE CONFIGURATION		
Size	**SL1**	**SL2**
256KB	256KB module installed	Not installed
512KB	256KB module installed	256KB module installed

CACHE JUMPER CONFIGURATION	
Size	**JP6**
256KB	Pins 1 & 3, 2 & 4 closed
512KB	Pins 3 & 5, 4 & 6 closed

VIDEO MEMORY CONFIGURATION		
Size	**Bank 0**	**Bank 1**
1MB	1MB	None
2MB	1MB	(2) 256K x 16
Note: The location of bank 0 is unidentified.		

CPU SPEED SELECTION					
CPU speed	**Clock speed**	**Multiplier**	**JP2**	**JP3**	**JP25**
75MHz	50MHz	1.5x	1 & 3, 2 & 4	1 & 3	1 & 2
90MHz	60MHz	1.5x	1 & 3, 4 & 6	1 & 3	1 & 2
100MHz	66MHz	1.5x	3 & 5, 4 & 6	1 & 3	1 & 2
120MHz	60MHz	2x	1 & 3, 4 & 6	1 & 3, 2 & 4	1 & 2
133MHz	66MHz	2x	3 & 5, 4 & 6	1 & 3, 2 & 4	1 & 2
150MHz	60MHz	2.5x	1 & 3, 4 & 6	1 & 3, 2 & 4	2 & 3
166MHz	66MHz	2.5x	3 & 5, 4 & 6	1 & 3, 2 & 4	2 & 3
Note: Pins designated should be in the closed position.					

CPU TYPE SELECTION		
Type	**JP18**	**JP19**
Cyrix	Pins 2 & 3 closed	Pins 2 & 3 closed
Intel	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU VOLTAGE SELECTION	
Voltage	**JP21**
3.3v	Pins 2 & 3 closed
5v	Pins 1 & 2 closed