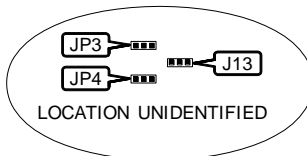
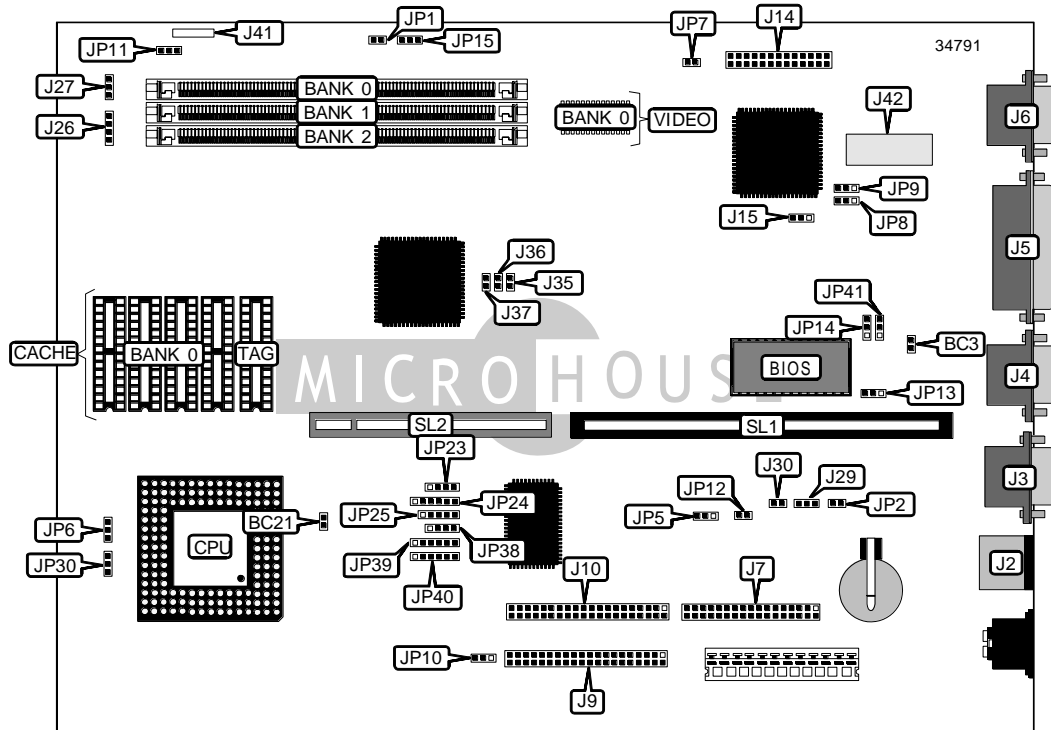


IBM CORPORATION

APTIVA 2144 TYPE I-1, APTIVA 2168 TYPE I-1

Device Type	Mainboard
Processor	80486DX2/80486DX4/P24T/P24CT
Processor Speed	50(internal)/66(internal)/80(internal)/100(internal)MHz
Chip Set	Unidentified
Video Chip Set	Unidentified
Maximum Onboard Memory	96MB
Maximum Video Memory	1MB
Cache	128KB
BIOS	Unidentified
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slot, floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA feature connector, VGA port, riser slot, IR connector
NPU Options	None



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APTIVA 2144 TYPE I-1, APTIVA 2168 TYPE I-1

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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse port	J2	Power LED/IDE interface LED	J26
Serial port 1	J3	Soft off power supply	J29
Serial port 2	J4	Soft off power supply	J30
Parallel port	J5	IR connector	J41
VGA port	J6	Graphics connector	J42
Floppy drive interface	J7	Wake on modem connector	JP5
IDE interface 1	J9	Riser slot	SL1
IDE interface 2	J10	32-bit VESA local bus slot	SL2
VGA feature connector	J14		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	BC3	Unidentified
í Factory configured - do not alter	BC21	Unidentified
í Factory configured - do not alter (flash BIOS)	J13	Pins 1 & 2 closed
í On board video disabled	J15	Pins 1 & 2 closed
On board video enabled	J15	Pins 2 & 3 closed
Speaker enabled	J27	Pins 1 & 2 closed
Speaker disabled	J27	Open
í Factory configured - do not alter (clock speed)	J35	Unidentified
í Factory configured - do not alter (clock speed)	J36	Unidentified
í Factory configured - do not alter (clock speed)	J37	Unidentified
í Factory configured - do not alter (floppy drive write protect)	JP1	Unidentified
í Smart Energy System enabled	JP2	Pins 2 & 3 closed
Smart Energy System disabled	JP2	Pins 1 & 2 closed
í Factory configured - do not alter (voltage regulator)	JP6	Unidentified
í Factory configured - do not alter (VESA local bus)	JP7	Unidentified
í Factory configured - do not alter (DMA)	JP8	Unidentified
í Factory configured - do not alter (DMA)	JP9	Unidentified
Linear graphics select 128MB	JP11	Pins 1 & 2 closed
Linear graphics select 2GB	JP11	Pins 2 & 3 closed
í PS/2 mouse enabled	JP12	Pins 1 & 2 closed
PS/2 mouse disabled	JP12	Pins 2 & 3 closed
í Factory configured - do not alter (VESA Local Bus speed)	JP13	Unidentified

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APTIVA 2144 TYPE I-1, APTIVA 2168 TYPE I-1

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USER CONFIGURABLE SETTINGS (CON'T)		
Function	Label	Position
í Password normal operation	JP14	Pins 1 & 2 closed
Password clear	JP14	Pins 2 & 3 closed
VGA enabled	JP15	Pins 1 & 2 closed
VGA disabled	JP15	Pins 2 & 3 closed
í Factory configured - do not alter (voltage regulator)	JP30	Unidentified
í Factory configured - do not alter (parallel port IRQ)	JP41	Unidentified

SIMM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
4MB	(1) 1M x 36	None	None
8MB	(1) 2M x 36	None	None
8MB	(1) 1M x 36	(1) 1M x 36	None
12MB	(1) 2M x 36	(1) 1M x 36	None
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 4M x 36	None	None
16MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 2M x 36	(1) 2M x 36	None
20MB	(1) 4M x 36	(1) 1M x 36	None
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
24MB	(1) 4M x 36	(1) 2M x 36	None
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 8M x 36	None	None
32MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 4M x 36	(1) 4M x 36	None
36MB	(1) 8M x 36	(1) 1M x 36	None
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36
40MB	(1) 8M x 36	(1) 2M x 36	None
48MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36
48MB	(1) 8M x 36	(1) 4M x 36	None
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 8M x 36	None
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
72MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36
80MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

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APTIVA 2144 TYPE I-1, APTIVA 2168 TYPE I-1

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CACHE CONFIGURATION		
Size	Bank 0	TAG
128KB	(4) 32K x 8	Unidentified

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

CPU SPEED SELECTION	
Speed	JP10
50iMHz	Pins 1 & 2 closed
66iMHz	Pins 2 & 3 closed
80iMHz	Pins 2 & 3 closed
100iMHz	Open

CPU TYPE SELECTION						
Type	JP23	JP24	JP25	JP38	JP39	JP40
80486DX2	1 & 2, 3 & 4	2 & 3	Open	1 & 2	Open	Open
80486DX4	1 & 2, 3 & 4	2 & 3	Open	1 & 2	Open	Open
P24T	1 & 2, 3 & 4	1 & 2, 4 & 5	1 & 2, 3 & 4	2 & 3	3 & 4, 5 & 6	1 & 2
P24CT	1 & 2, 3 & 4	1 & 2, 4 & 5	1 & 2, 3 & 4	2 & 3	3 & 4, 5 & 6	1 & 2

Note: Pins designated should be in the closed position.

LOCAL BUS/PCI SELECTION		
Setting	JP3	JP4
VESA	Pins 1 & 2 closed	Pins 1 & 2 closed
PCI	Pins 2 & 3 closed	Pins 2 & 3 closed