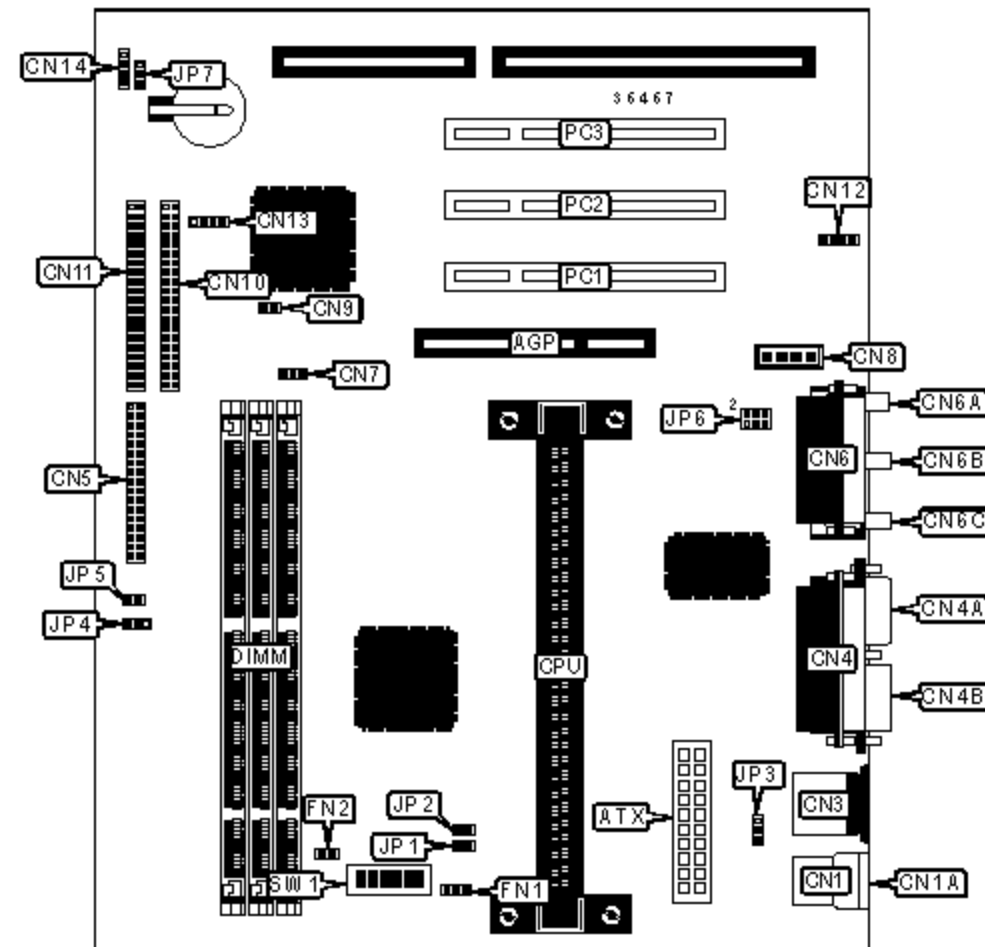


IBM CORPORATION

APTIVA 2164 SL-A

Device Type	Mainboard
Processor	Pentium II/Pentium III
Processor Speed	400/450/500MHz
Chip Set	Unidentified
Maximum Onboard Memory	384MB (SDRAM & PC100 supported)
Cache	512KB (located on the CPU)
BIOS	Unidentified
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game/MIDI port, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), USB connectors (2), ATX power connector, AGP slot, line in, line out, microphone in, audio in – CD-ROM



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Wake on LAN connector	CN7
ATX power connector	ATX	Audio in – CD-ROM	CN8
USB connector 1	CN1	Soft off power supply	CN9
USB connector 2	CN1A	IDE interface 2	CN10
PS/2 mouse port	CN3	IDE interface 1	CN11

Parallel port	CN4	Fax/modem connector	CN12
Serial port 2	CN4A	IDE interface LED	CN14
Serial port 1	CN4B	Fan alarm connector	FN1
Floppy drive interface	CN5	Chassis fan power	FN2
Game/MIDI port	CN6	CPU temperature connector	JP1
Microphone in	CN6A	System temperature connector	JP2
Line in	CN6B	Power LED	JP7
Line out	CN6C	32-bit PCI slots	PC1 – PC3

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Factory configured - do not alter	JP3	Unidentified
»	Factory configured - do not alter	JP4	Unidentified
»	Factory configured - do not alter	JP5	Unidentified
»	Audio port select speaker out	JP6	Pins 3 & 5, 4 & 6 closed
	Audio port select line out	JP6	Pins 1 & 3, 2 & 4 closed
»	Password disabled	SW1/5	On
	Password enabled	SW1/5	Off
»	Factory configured - do not alter	SW1/6	Unidentified

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64

32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64

128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM & PC100 memory.			

CACHE CONFIGURATION

Note: 512KB cache is located on the Pentium II CPU. 512KB cache is located on the Pentium III CPU.

CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
400MHz	100MHz	4x	On	Off	On	On

450MHz	100MHz	4.5x	On	Off	On	Off

CPU SPEED SELECTION (PENTIUM III)						
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
450MHz	100MHz	4.5x	On	Off	On	Off
500MHz	100MHz	5X	Off	Off	On	On