IBM CORPORATION
PC SERVER 310 - TYPE 8639

Processor	Pentium
Processor Speed	75/90/100/120/133MHz
Chip Set	Unidentified
Video Chip Set	Unidentified
Maximum Onboard Memory	192MB
Maximum Video Memory	Unidentified
Cache	256/1024KB
BIOS	Unidentified
Dimensions	330mm x 218mm
I/O Options	Floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA port, riser slot, CD-ROM audio interface, audio line in connector, audio line out connector
NPU Options	None
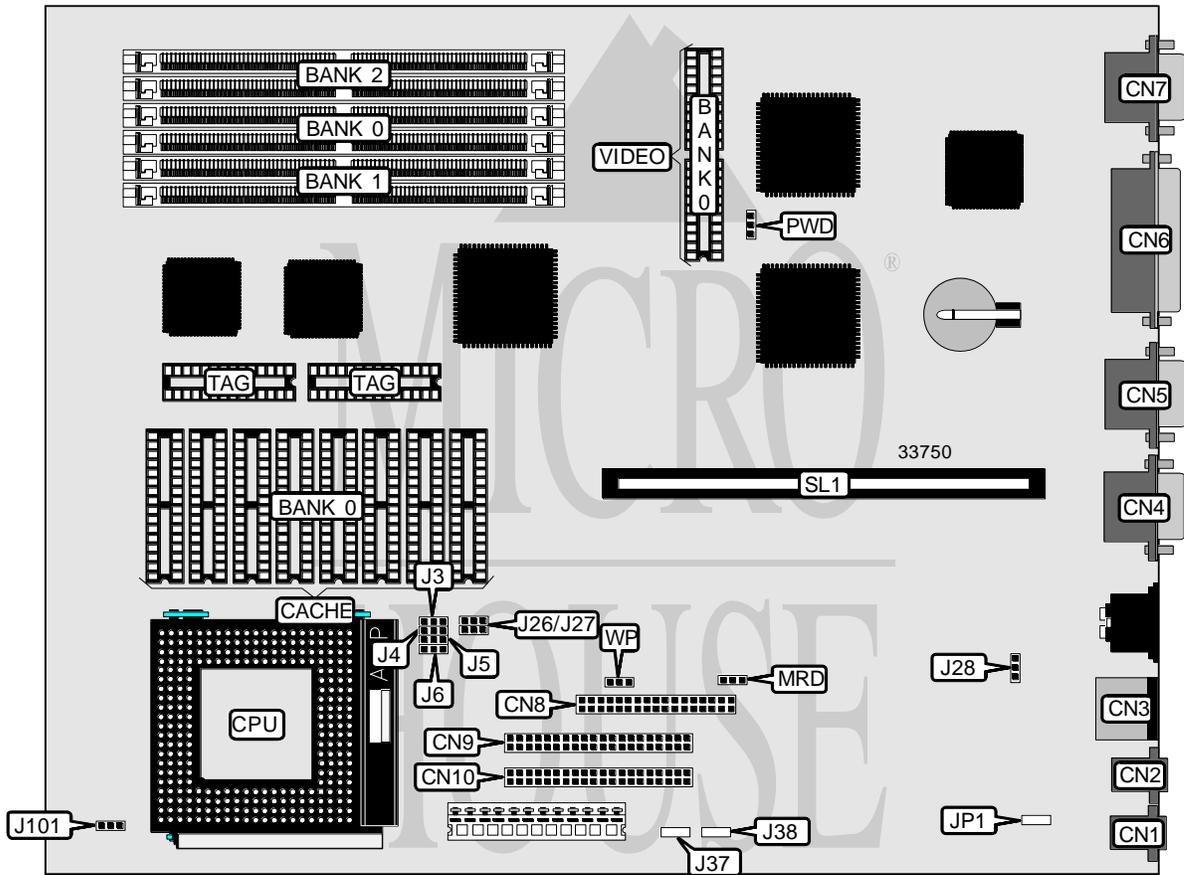
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Audio line out connector	CN1	Floppy drive interface	CN8
Audio line in connector	CN2	IDE interface	CN9
PS/2 mouse port	CN3	IDE interface	CN10
Serial port	CN4	On/off switch connector	J37
Serial port	CN5	On/off switch power supply connector	J38
Parallel port	CN6	CD-ROM audio interface	JP1
VGA port	CN7	Riser slot	SL1

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
PS/2 mouse jumper	J28	Unidentified
í Modem answers on ring	MRD	Pins 2 & 3 closed
Modem does not answer on ring	MRD	Pins 1 & 2 closed
í Password normal operation	PWD	Pins 1 & 2 closed
Password clear	PWD	Pins 2 & 3 closed
í Floppy drive write protect disabled	WP	Pins 2 & 3 closed
Floppy drive write protect enabled	WP	Pins 1 & 2 closed

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

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DRAM CONFIGURATION (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
96MB	(2) 8M x 36	(2) 4M x 36	None
128MB	(2) 8M x 36	(2) 8M x 36	None
136MB	(2) 8M x 36	(2) 8M x 36	(2) 1M x 36
144MB	(2) 8M x 36	(2) 8M x 36	(2) 2M x 36
160MB	(2) 8M x 36	(2) 8M x 36	(2) 4M x 36
192MB	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36

CACHE CONFIGURATION		
Size	**Bank 0**	**TAG**
256KB	(8) 32K x 8	Unidentified
1MB	(8) 64K x 8	Unidentified

CACHE JUMPER CONFIGURATION				
Size	**J3**	**J4**	**J5**	**J6**
256KB	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
1MB	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

VIDEO MEMORY CONFIGURATION	
Size	**Bank 0**
1MB	(2) 256K x 16
Note: The maximum video memory size is unidentified. This configuration is for an upgrade.	

CPU SPEED SELECTION				
CPU speed	**Clock speed**	**Multiplier**	**J26**	**J27**
75MHz	50MHz	1.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
90MHz	60MHz	1.5x	Pins 2 & 3 closed	Pins 1 & 2 closed
100MHz	66MHz	1.5x	Pins 1 & 2 closed	Pins 1 & 2 closed
120MHz	60MHz	2x	Pins 2 & 3 closed	Pins 1 & 2 closed
133MHz	66MHz	2x	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU BUS - CORE SELECTION	
Bus - core	**J101**
1/2	Pins 2 & 3 closed
í 2/3	Pins 1 & 2 closed