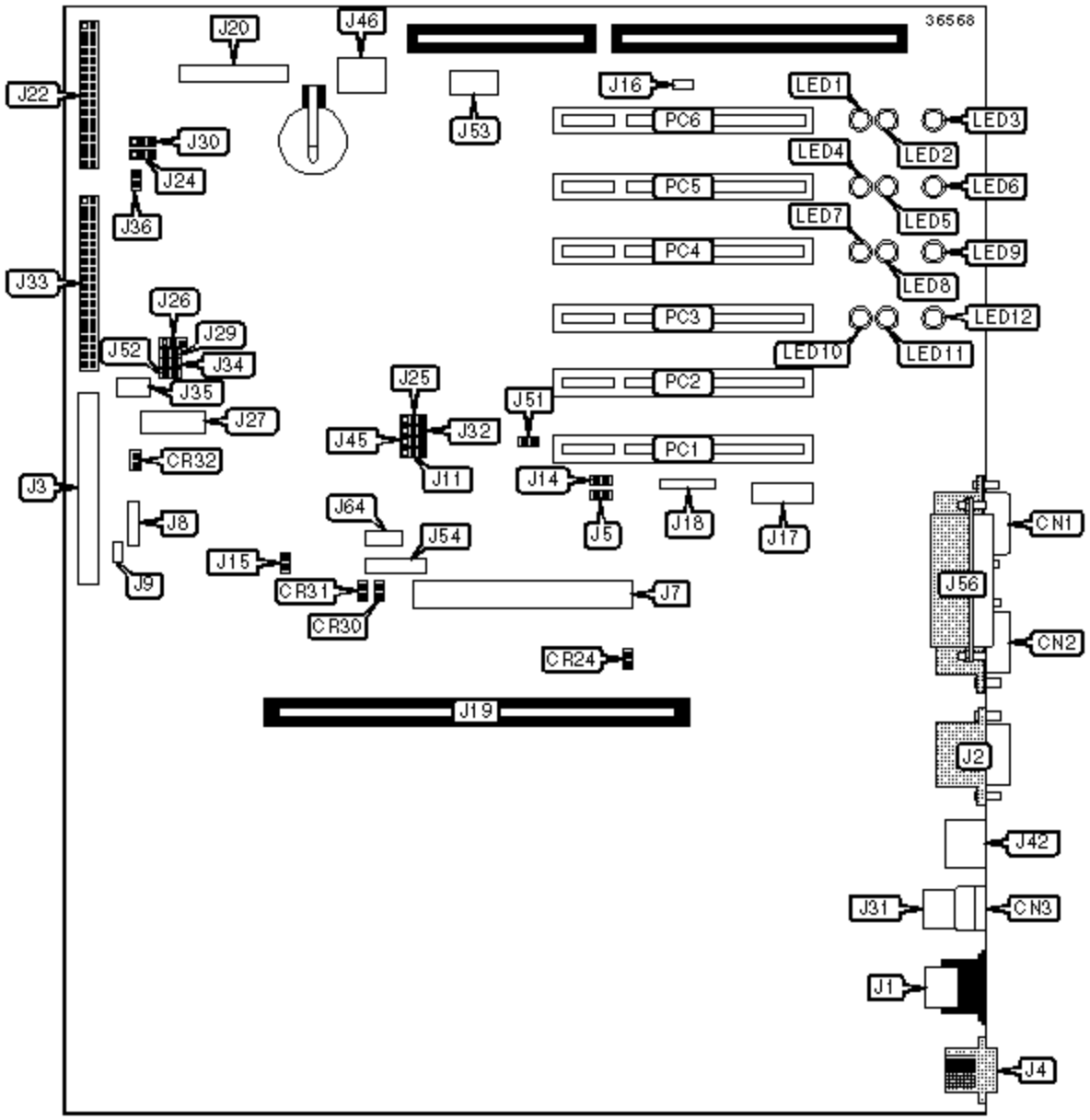
IBM CORPORATION

NETFINITY 5500-M10 (TYPE 8661)

Device Type	Mainboard
Processor	Pentium II Xeon (2)
Processor Speed	400/450/500MHz
Chip Set	Unidentified
Video Chip Set	S3
Maximum Onboard Memory	2GB (SDRAM supported)
Maximum Video Memory	1MB
Cache	256/512KB (located on the Pentium II CPU)
BIOS	Unidentified
Dimensions	Unidentified
I/O Options	32-bit PCI slots (6), Ethernet 10BaseT connector, floppy drive interface, IDE interfaces (2), SCSI interface (6), Wide SCSI interface (1), parallel port, PS/2 mouse port, serial ports (2), VGA port, riser slot, USB connectors (2), ATX power connector



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**

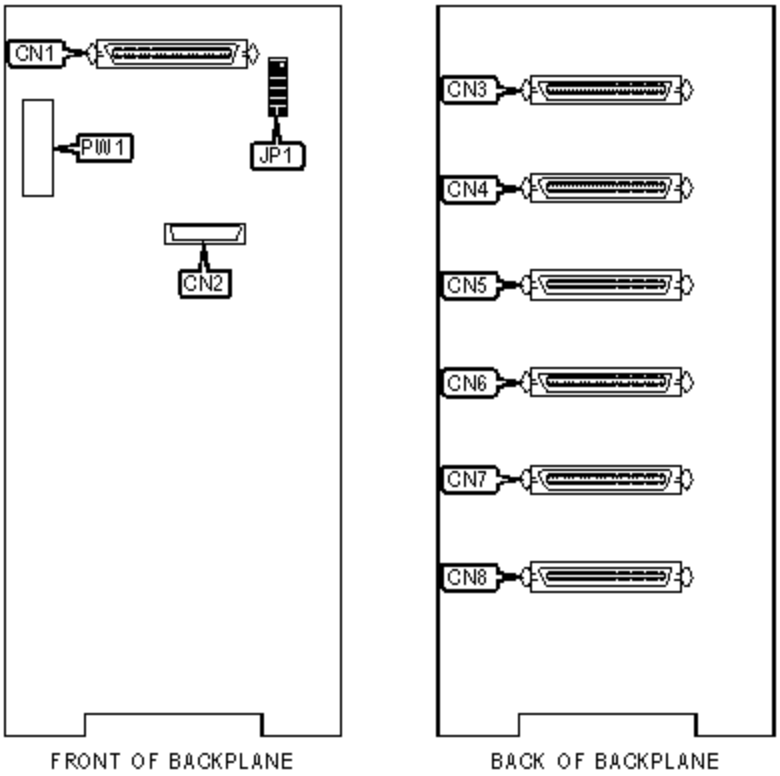
Serial port 1	CN1	Hot-plug switch connector	J16
Serial port 2	CN2	Processor board connector	J19
USB port 1	CN3	Control panel connector	J20
ASMP error LED connector	CR24	Floppy drive interface	J22
RAID channel 1 error LED connector	CR30	USB port 2	J31
RAID channel 2 error LED connector	CR31	IDE interface	J33
RAID system error LED connector	CR32	CPU fan connector	J36
PS/2 mouse port	J1	Management port C connector	J42
15-pin analog video port	J2	SCSI interface LED connector	J52
PC/104 connector	J3	Wavetable connector	J53
feature connector	J4	SCSI interface	J56
Game/MIDI port	J7	SCSI-2 interface	PC1 - PC6
3.3v power	J8		

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	Ethernet connector enabled	J5/Pins 1 & 2	Closed
	Ethernet connector disabled	J5/Pins 2 & 3	Closed
»	Factory configured - do not alter	J9/Pins 1 & 2	Closed
»	RAID controller enabled	J11/Pins 1 & 2	Closed
	RAID controller disabled	J11/Pins 2 & 3	Closed
»	Video controller enabled	J14/Pins 1 & 2	Closed
	Video controller disabled	J14/Pins 2 & 3	Closed
»	RAID EEPROM normal operation	J15	Open
	RAID EEPROM update enabled	J15	Closed
»	Factory configured - do not alter	J17	Unidentified
»	Factory configured - do not alter	J18	Unidentified
»	Override power-on password, if pins 2 & 3 were closed prior to powering off	J24/Pins 1 & 2	Closed

	Override power-on password, if pins 1 & 2 were closed prior to powering off	J24/Pins 2 & 3	Closed
»	Factory configured - do not alter	J25/Pins 1 & 2	Closed
»	Factory configured - do not alter	J26	Open
»	Factory configured - do not alter	J29/Pins 1 & 2	Closed
»	Factory configured - do not alter	J27	Unidentified
»	First page of Flash ROM during power-up enabled	J30/Pins 2 & 3	Closed
	Second page of Flash ROM during power-up enabled	J30/Pins 1 & 2	Closed
»	Power normal operation	J32/Pins 1 & 2	Closed
	Power can be turned on without control panel or ASMP present	J32/Pins 2 & 3	Closed
»	Factory configured - do not alter	J34/Pins 1 & 2	Closed
»	Factory configured - do not alter	J35	Unidentified
»	Factory configured - do not alter	J45/Pins 2 & 3	Closed
»	Factory configured - do not alter	J46	Unidentified
»	Netfinity Advnaced System Management Processor (ASMP) enabled	J51	Open
	Netfinity Advanced System Management Processor (ASMP) disabled	J51	Closed
»	Factory configured - do not alter	J54	Unidentified
»	Factory configured - do not alter	J64	Unidentified

DIAGNOSTIC LED(S)			
LED	**Color**	**Status**	**Condition**
LED1	Unidentified	On	Power is on to slot PC6
LED1	Unidentified	Off	Power is not on to slot PC6
LED2	Unidentified	Blinking	Card in slot PC6 requires attention (same as LED3)
LED2	Unidentified	Off	Card in slot PC6 is operating normally
LED3	Unidentified	Blinking	Card in slot PC6 requires attention (same as LED2)
LED3	Unidentified	Off	Card in slot PC6 is operating normally
LED4	Unidentified	On	Power is on to slot PC5
LED4	Unidentified	Off	Power is not on to slot PC5

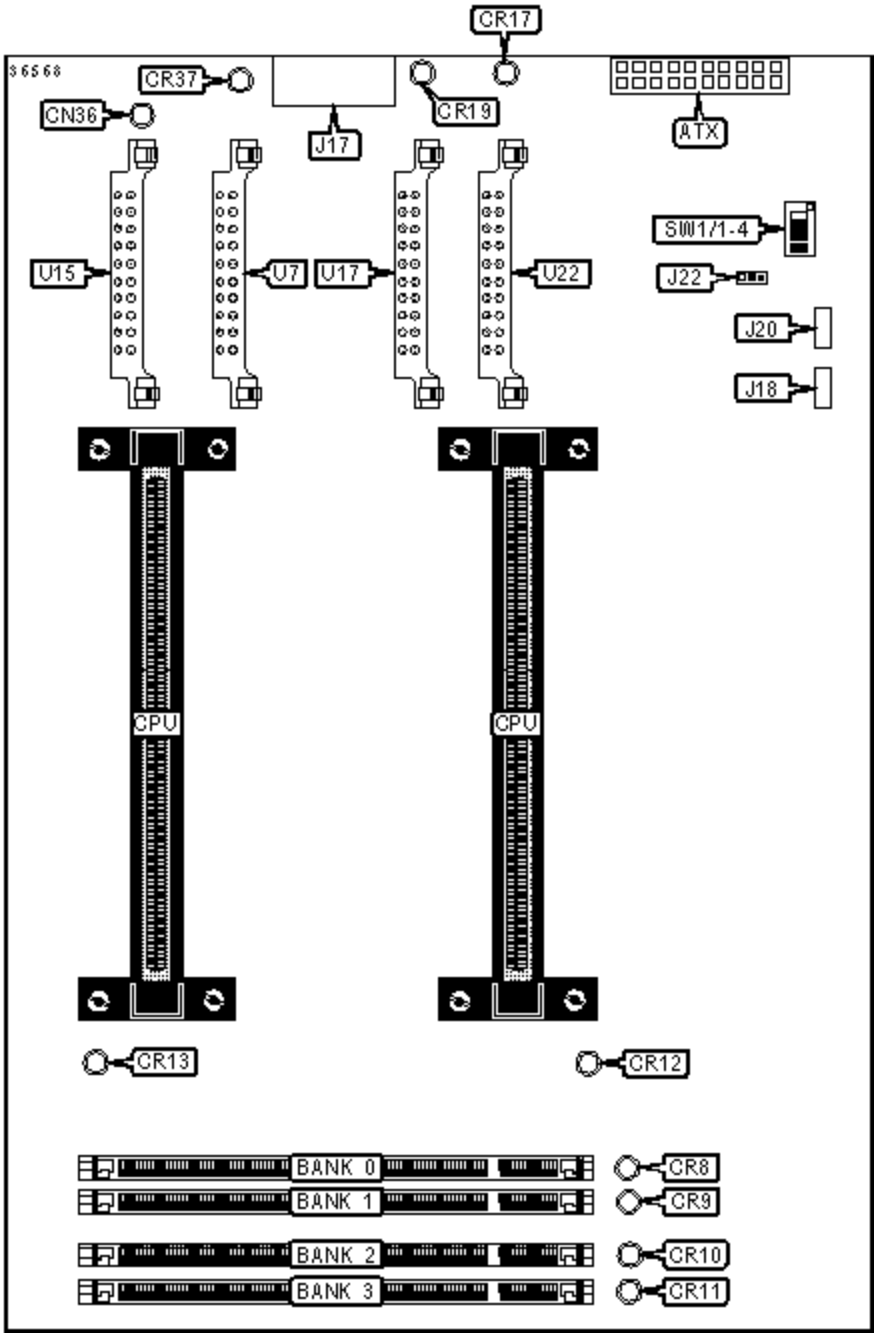
LED5	Unidentified	Blinking	Card in slot PC5 requires attention (same as LED6)
LED5	Unidentified	Off	Card in slot PC5 is operating normally
LED6	Unidentified	Blinking	Card in slot PC5 requires attention (same as LED5)
LED6	Unidentified	Off	Card in slot PC5 is operating normally
LED7	Unidentified	On	Power is on to slot PC4
LED7	Unidentified	Off	Power is not on to slot PC4
LED8	Unidentified	Blinking	Card in slot PC4 requires attention (same as LED9)
LED8	Unidentified	Off	Card in slot PC4 is operating normally
LED9	Unidentified	Blinking	Card in slot PC4 requires attention (same as LED8)
LED9	Unidentified	Off	Card in slot PC4 is operating normally
LED10	Unidentified	On	Power is on to slot PC3
LED10	Unidentified	Off	Power is not on to slot PC3
LED11	Unidentified	Blinking	Card in slot PC3 requires attention (same as LED12)
LED11	Unidentified	Off	Card in slot PC3 is operating normally
LED12	Unidentified	Blinking	Card in slot PC3 requires attention (same as LED11)
LED12	Unidentified	Off	Card in slot PC3 is operating normally



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
SCSI Wide connector	CN1	SCSI hot-swap connector	CN6
Repeater card connector	CN2	SCSI hot-swap connector	CN7
SCSI hot-swap connector	CN3	SCSI hot-swap connector	CN8
SCSI hot-swap connector	CN4	Power connector	PW1
SCSI hot-swap connector	CN5		

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	Factory configured - do not alter	JP1/Pins 1 & 2	Open
»	Factory configured - do not alter	JP1/Pins 3 & 4	Open
»	Factory configured - do not alter	JP1/Pins 7 & 8	Open
»	Factory configured - do not alter	JP1/Pins 9 & 10	Open

SCSI ID							
Bay 1	**Bay 2**	**Bay 3**	**Bay 4**	**Bay 5**	**Bay 6**	**JP1/Pins 5 & 6**	**JP1/Pins 11 & 12**
ID=0	ID=1	ID=2	ID=3	ID=4	ID=5	Open	Open
ID=5	ID=4	ID=3	ID=2	ID=1	ID=0	Open	Closed
ID=13	ID=12	ID=11	ID=10	ID=9	ID=8	Closed	Open



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Secondary CPU core VRM connector	U15
Power control connector	J17	Primary CPU core VRM connector	U17
Secondary CPU core VRM connector	U7	Primary CPU core VRM connector	U22
Note: Processor board connector is located on the back of the board			

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	Factory configured - do not alter	J18	Unidentified
»	Factory configured - do not alter	J20	Open
»	Factory configured - do not alter	J22	Unidentified

DIMM CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
128MB	(1) 16M x 64	None	None	None
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 32M x 64	None	None	None
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	None
512MB	(1) 32M x 64	(1) 32M x 64	None	None
512MB	(1) 64M x 64	None	None	None
640MB	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64	None
640MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
640MB	(1) 64M x 64	(1) 16M x 64	None	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 64M x 64	(1) 32M x 64	None	None
768MB	(1) 64M x 64	(1) 16M x 64	(1) 16M x 64	None
896MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 16M x 64
896MB	(1) 64M x 64	(1) 32M x 64	(1) 16M x 64	None
1GB	(1) 64M x 64	(1) 64M x 64	None	None
1GB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
1.5GB	(1) 64M x 64	(1) 64M x 64	(1) 32M x 64	(1) 32M x 64
2GB	(1) 64M x 64	(1) 64M x 64	(1) 64M x 64	(1) 64M x 64

CACHE CONFIGURATION
Note: 256KB/512KB cache is located on the Pentium II CPU

CPU SPEED SELECTION						
Speed	**Multiplier**	**Clock Speed**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
400MHz	4x	100MHz	On	On	On	Off
450MHz	4.5x	100MHz	On	Off	On	Off
500MHz	5x	100MHz	On	On	Off	Off

DIAGNOSTIC LED(S)			
LED	**Color**	**Status**	**Condition**
CR8	Unidentified	On	Error detected in DIMM Bank 0
CR8	Unidentified	Off	DIMM Bank 0 is operating normally
CR9	Unidentified	On	Error detected in DIMM Bank 1
CR9	Unidentified	Off	DIMM Bank 1 is operating normally
CR10	Unidentified	On	Error detected in DIMM Bank 2
CR10	Unidentified	Off	DIMM Bank 2 is operating normally
CR11	Unidentified	On	Error detected in DIMM Bank 3
CR11	Unidentified	Off	DIMM Bank 3 is operating normally
CR12	Unidentified	On	Primary CPU has failed
CR12	Unidentified	Off	Primary CPU is operating normally
CR13	Unidentified	On	Secondary CPU has failed
CR13	Unidentified	Off	Secondary CPU is operating normally
CR17	Unidentified	On	The primary core VRM has failed
CR17	Unidentified	Off	Primary core VRM is operating normally
CR19	Unidentified	On	The primary cache VRM has failed
CR19	Unidentified	Off	Primary cache VRM is operating normally

CR36	Unidentified	On	The secondary core VRM has failed
CR36	Unidentified	Off	Secondary core VRM is operating normally
CR37	Unidentified	On	The secondary cache VRM has failed
CR37	Unidentified	Off	Secondary cache VRM is operating normally