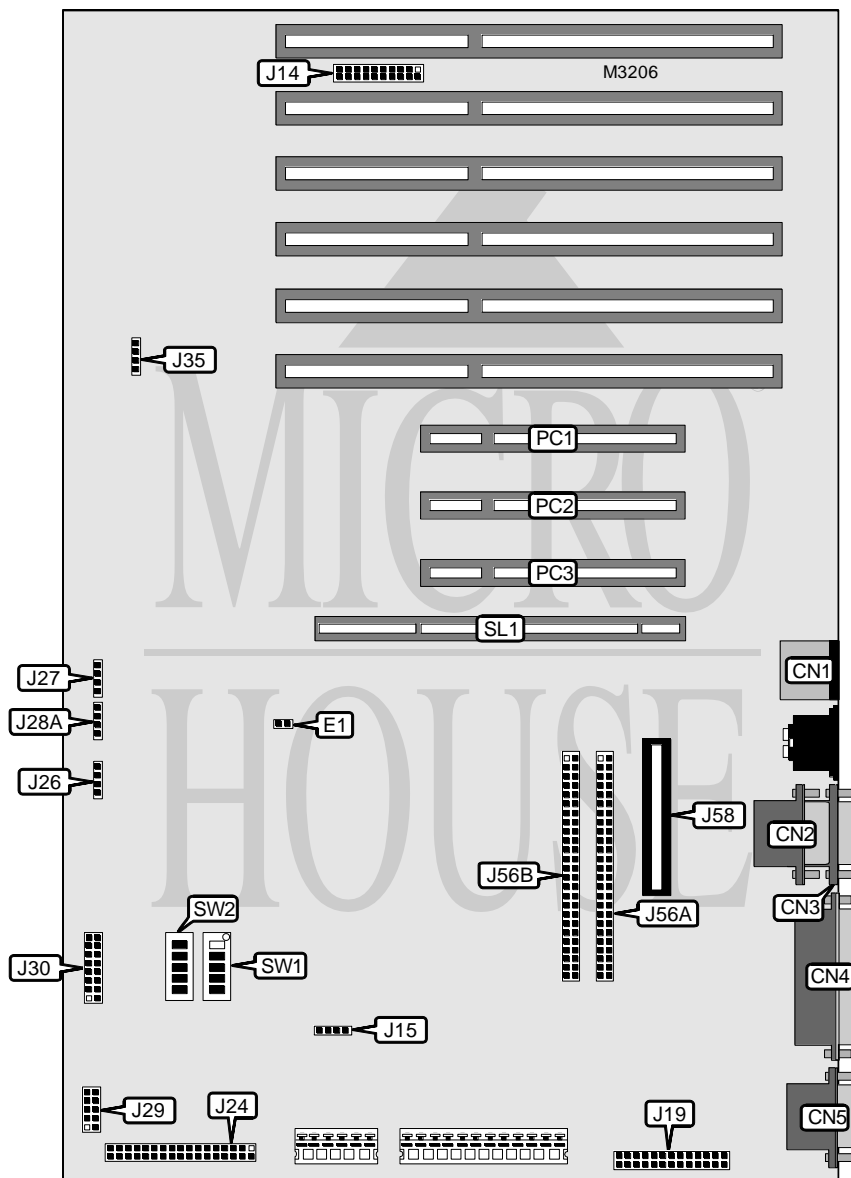


# AST RESEARCH, INC. MANHATTAN V PENTIUM (202620-001, 002, 011, 012)

<b>Processor</b>	Pentium
<b>Processor Speed</b>	90/100/133MHz
<b>Chip Set</b>	Unidentified
<b>Max. Onboard DRAM</b>	256MB
<b>Cache</b>	256KB
<b>BIOS</b>	Unidentified
<b>Dimensions</b>	330mm x 218mm
<b>I/O Options</b>	32-bit PCI slots (3), CPU slot, floppy drive interface, SCSI interfaces (2), parallel port, PS/2 mouse port, serial ports (2), 8514 video pass through connector, VGA port
<b>NPU Options</b>	None



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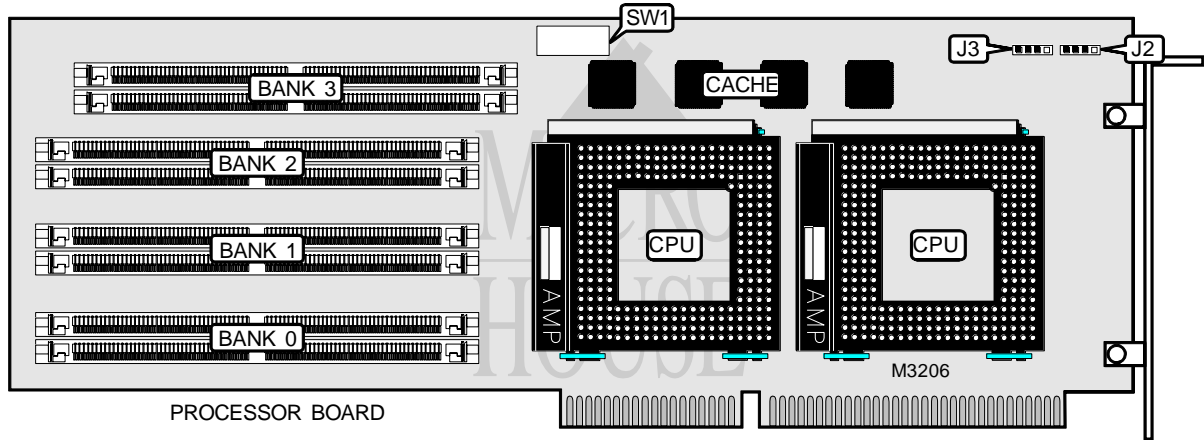
CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse port	CN1	Speaker	J27
Serial port	CN2	Chassis fan power	J28A
Serial port	CN3	Front panel console LED	J29
Parallel port	CN4	SCSI interface LED	J35
VGA port	CN5	Internal SCSI interface	J56A
System management interface	J14	External SCSI interface	J56B
Remote power connector	J15	XP interface board connector	J58
8514 video pass through connector	J19	32-bit PCI slots	PC1 - PC3
Floppy drive interface	J24	CPU slot	SL1
External battery	J26		

USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
í CMOS memory normal operation	E1	Open
CMOS memory clear	E1	Closed
í Factory configured - do not alter	J30	N/A
í Flash BIOS normal operation	SW1/1	Off
Flash BIOS force update at boot	SW1/1	On
í Password enabled	SW1/2	Off
Password disabled	SW1/2	On
í Monitor type select color	SW1/3	Off
Monitor type select monochrome	SW1/3	On
í EISA CMOS memory normal operation	SW1/4	Off
EISA CMOS memory clear	SW1/4	On
í Setup access enabled	SW1/5	Off
Setup access disabled	SW1/5	On
í Factory configured - do not alter	SW2	N/A

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CONNECTIONS			
Purpose	Location	Purpose	Location
Chassis fan power	J2	Chassis fan power	J3

USER CONFIGURABLE SETTINGS			
Function	Switch	Position	
í Factory configured - do not alter	SW1	N/A	

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
16MB	(2) 2M x 36	NONE	NONE	NONE
32MB	(2) 2M x 36	(2) 2M x 36	NONE	NONE
32MB	(2) 4M x 36	NONE	NONE	NONE
48MB	(2) 4M x 36	(2) 2M x 36	NONE	NONE
64MB	(2) 2M x 36	(2) 2M x 36	(2) 4M x 36	NONE
64MB	(2) 8M x 36	NONE	NONE	NONE
80MB	(2) 2M x 36	(2) 4M x 36	(2) 4M x 36	NONE
80MB	(2) 8M x 36	(2) 2M x 36	NONE	NONE
80MB	(2) 4M x 36	(2) 2M x 36	(2) 4M x 36	NONE
96MB	(2) 2M x 36	(2) 2M x 36	(2) 4M x 36	(2) 4M x 36
96MB	(2) 2M x 36	(2) 2M x 36	(2) 8M x 36	NONE
96MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	NONE
112MB	(2) 2M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
112MB	(2) 2M x 36	(2) 4M x 36	(2) 8M x 36	NONE
112MB	(2) 2M x 36	(2) 8M x 36	(2) 4M x 36	NONE
112MB	(2) 8M x 36	(2) 2M x 36	(2) 4M x 36	NONE
112MB	(2) 4M x 36	(2) 2M 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	Bank 3
112MB	(2) 4M x 36	(2) 2M x 36	(2) 8M x 36	NONE
128MB	(2) 2M x 36	(2) 2M x 36	(2) 4M x 36	(2) 8M x 36
128MB	(2) 2M x 36	(2) 2M x 36	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 4M x 36	(2) 4M x 36	NONE
128MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
128MB	(2) 4M x 36	(2) 4M x 36	(2) 8M x 36	NONE
128MB	(2) 4M x 36	(2) 8M x 36	(2) 4M x 36	NONE
144MB	(2) 2M x 36	(2) 4M x 36	(2) 4M x 36	(2) 8M x 36
144MB	(2) 2M x 36	(2) 4M x 36	(2) 8M x 36	(2) 4M x 36
144MB	(2) 2M x 36	(2) 8M x 36	(2) 4M x 36	(2) 4M x 36
144MB	(2) 2M x 36	(2) 8M x 36	(2) 8M x 36	NONE
144MB	(2) 8M x 36	(2) 2M x 36	(2) 4M x 36	(2) 4M x 36
144MB	(2) 8M x 36	(2) 2M x 36	(2) 8M x 36	NONE
144MB	(2) 4M x 36	(2) 2M x 36	(2) 4M x 36	(2) 8M x 36
144MB	(2) 4M x 36	(2) 2M x 36	(2) 8M x 36	(2) 4M x 36
160MB	(2) 2M x 36	(2) 2M x 36	(2) 8M x 36	(2) 8M x 36
160MB	(2) 8M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
160MB	(2) 8M x 36	(2) 4M x 36	(2) 8M x 36	NONE
160MB	(2) 8M x 36	(2) 8M x 36	(2) 4M x 36	NONE
160MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	(2) 8M x 36
160MB	(2) 4M x 36	(2) 4M x 36	(2) 8M x 36	(2) 4M x 36
160MB	(2) 4M x 36	(2) 8M x 36	(2) 4M x 36	(2) 4M x 36
160MB	(2) 4M x 36	(2) 8M x 36	(2) 8M x 36	NONE
176MB	(2) 2M x 36	(2) 4M x 36	(2) 8M x 36	(2) 8M x 36
176MB	(2) 2M x 36	(2) 8M x 36	(2) 4M x 36	(2) 8M x 36
176MB	(2) 2M x 36	(2) 8M x 36	(2) 8M x 36	(2) 4M x 36
176MB	(2) 8M x 36	(2) 2M x 36	(2) 4M x 36	(2) 8M x 36
176MB	(2) 8M x 36	(2) 2M x 36	(2) 8M x 36	(2) 4M x 36
176MB	(2) 4M x 36	(2) 2M x 36	(2) 8M x 36	(2) 8M x 36
192MB	(2) 8M x 36	(2) 4M x 36	(2) 4M x 36	(2) 8M x 36
192MB	(2) 8M x 36	(2) 4M x 36	(2) 8M x 36	(2) 4M x 36
192MB	(2) 8M x 36	(2) 8M x 36	(2) 4M x 36	(2) 4M x 36
192MB	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36	NONE
192MB	(2) 4M x 36	(2) 4M x 36	(2) 8M x 36	(2) 8M x 36
192MB	(2) 4M x 36	(2) 8M x 36	(2) 4M x 36	(2) 8M x 36
192MB	(2) 4M x 36	(2) 8M x 36	(2) 8M x 36	(2) 4M x 36
208MB	(2) 2M x 36	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36
208MB	(2) 8M x 36	(2) 2M x 36	(2) 8M x 36	(2) 8M x 36
224MB	(2) 8M x 36	(2) 4M x 36	(2) 8M x 36	(2) 8M x 36
224MB	(2) 8M x 36	(2) 8M x 36	(2) 4M x 36	(2) 8M x 36
224MB	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36	(2) 4M x 36
224MB	(2) 4M x 36	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36
256MB	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36	(2) 8M x 36

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CACHE CONFIGURATION

Note: 256KB cache is factory installed and is not configurable.