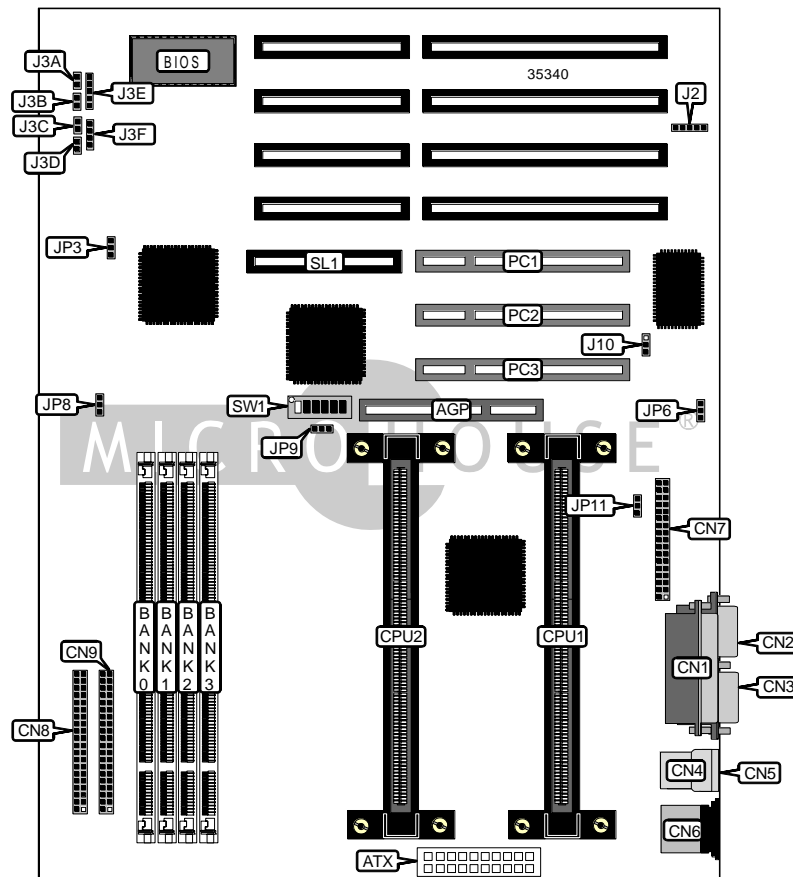


# M TECHNOLOGY, INC.

## M668 STALLION

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II
<b>Processor Speed</b>	233/266/300MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	1GB (EDO & SDRAM supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512KB (located on Pentium II CPU)
<b>BIOS</b>	AMI
<b>Dimensions</b>	305mm x 245mm
<b>I/O Options</b>	32-bit PCI slots (3), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, RAID slot
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
AGP slot	AGP	Reset switch	J3A
ATX power connector	ATX	Soft off power supply	J3B
Parallel port	CN1	Turbo LED	J3C
Serial port 2	CN2	IDE interface LED	J3D
Serial port 1	CN3	Power LED & keylock	J3E
USB connector 2	CN4	Speaker	J3F
USB connector 1	CN5	Wake on LAN connector	J10
PS/2 mouse port	CN6	CPU fan power	JP8
Floppy drive interface	CN7	CPU fan power	JP11
IDE interface 1	CN8	32-bit PCI slots	PC1 – PC3
IDE interface 2	CN9	RAID slot	SL1
IR connector	J2		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	JP3	Pins 2 & 3 closed
CMOS memory clear	JP3	Pins 1 & 2 closed
í Modem wake up COM select COM2	JP6	Pins 1 & 2 closed
Modem wake up COM select COM1	JP6	Pins 2 & 3 closed
í DRAM EEC mode select non EEC error	JP9	Pins 2 & 3 closed
DRAM EEC mode select EEC error	JP9	Pins 1 & 2 closed

DIMM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1M x 64	None	None	None
16MB	(1) 2M x 64	None	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None	None
24MB	(1) 2M x 64	(1) 1M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	None
32MB	(1) 4M x 64	None	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
40MB	(1) 4M x 64	(1) 1M x 64	None	None
48MB	(1) 4M x 64	(1) 2M x 64	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None

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DIMM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None	None	None
64MB	(1) 4M x 64	(1) 4M x 64	None	None
72MB	(1) 8M x 64	(1) 1M x 64	None	None
80MB	(1) 8M x 64	(1) 2M x 64	None	None
96MB	(1) 8M x 64	(1) 4M x 64	None	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
128MB	(1) 16M x 64	None	None	None
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
136MB	(1) 16M x 64	(1) 1M x 64	None	None
144MB	(1) 16M x 64	(1) 2M x 64	None	None
152MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None	None
176MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
224MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 32M x 64	None	None	None
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 16M x 64	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
280MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
304MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
352MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
448MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None	None
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
640MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None
1024MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board accepts EDO & SDRAM memory. Maximum SDRAM is 512MB. Maximum EDO is 1GB.

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**CACHE CONFIGURATION**

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

**CPU SPEED SELECTION**

<b>CPU speed</b>	<b>Clock speed</b>	<b>Multiplier</b>	<b>SW1/1</b>	<b>SW1/2</b>	<b>SW1/3</b>	<b>SW1/4</b>	<b>SW1/5</b>	<b>SW1/6</b>
233MHz	66MHz	3.5x	On	Off	Off	On	Off	Off
266MHz	66MHz	4x	Off	On	On	On	Off	Off
300MHz	66MHz	4.5x	Off	On	Off	On	Off	Off