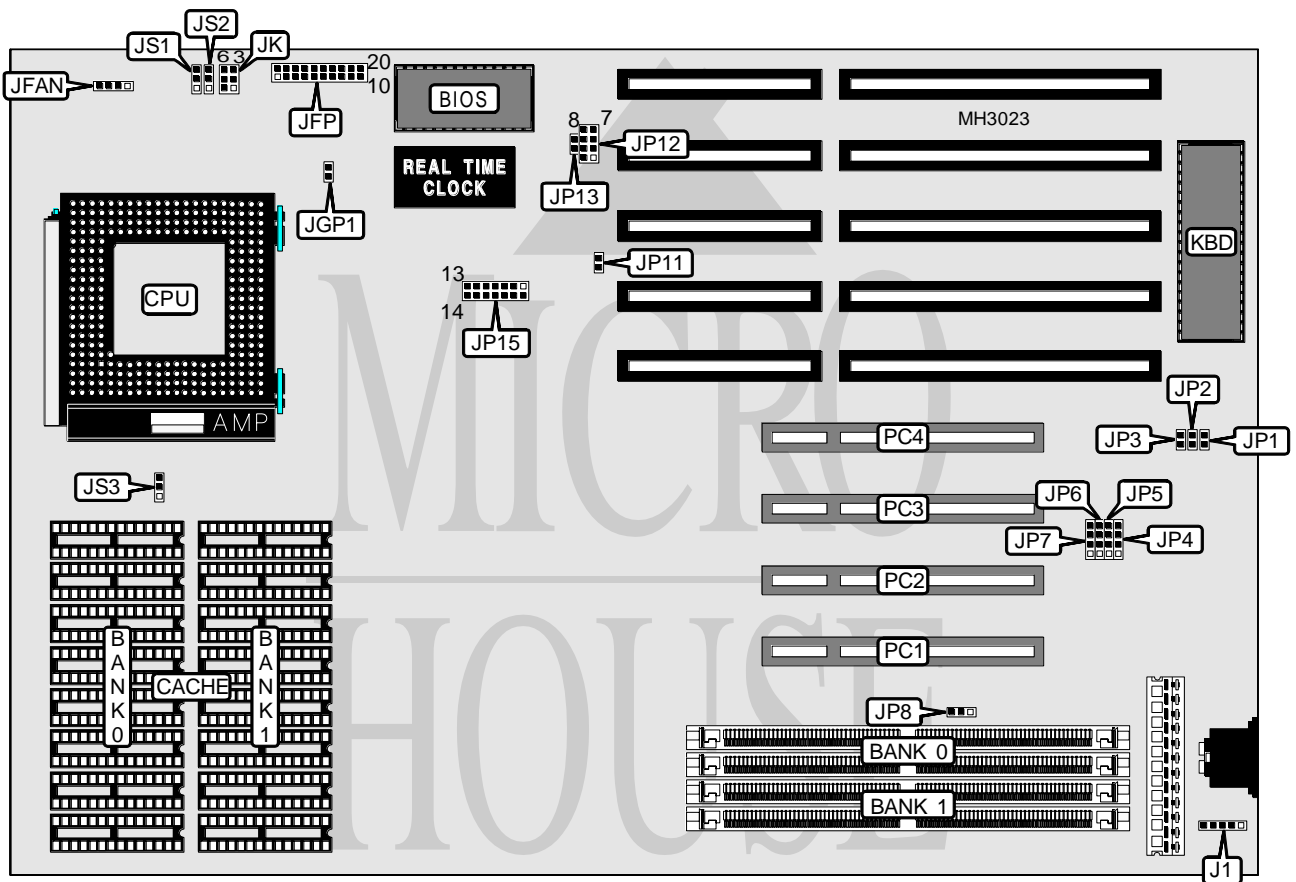


# MICRO-STAR INTERNATIONAL CO., LTD.

## MS - 5 1 0 3

<b>Processor</b>	Pentium
<b>Processor Speed</b>	60/66MHz
<b>Chip Set</b>	Intel
<b>Max. Onboard DRAM</b>	128MB
<b>Cache</b>	256/512KB
<b>BIOS</b>	Award/Phoenix
<b>Dimensions</b>	330mm x 218mm
<b>I/O Options</b>	32-bit PCI slots (4)
<b>NPU Options</b>	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Chassis fan power	JFAN	Turbo switch	JFP pins 15 - 17
Power LED & keylock	JFP pins 1 - 5	Reset switch	JFP pins 19 & 20
Speaker	JFP pins 7 - 10	Auxiliary keyboard connector	J1
Turbo LED	JFP pins 12 & 13	32-bit PCI slots	PC1 - PC4

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Factory configured - do not alter	JGP1	N/A
í Factory configured - do not alter	JP1	N/A
í Factory configured - do not alter	JP2	N/A
í Factory configured - do not alter	JP3	N/A
í PCI slot 1 card type select MS-3805 only	JP8	pins 1 & 2 closed
PCI slot 1 card type select any card installed	JP8	pins 2 & 3 closed
í CMOS memory normal operation	JP13	Open
CMOS memory clear	JP13	Closed

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
2MB	(2) 256K x 36	NONE
2MB	NONE	(2) 256K x 36
4MB	(2) 512K x 36	NONE
4MB	NONE	(2) 512K x 36
4MB	(2) 256K x 36	(2) 256K x 36
6MB	(2) 512K x 36	(2) 256K x 36
6MB	(2) 256K x 36	(2) 512K x 36
8MB	(2) 1M x 36	NONE
8MB	NONE	(2) 1M x 36
8MB	(2) 512K x 36	(2) 512K x 36
10MB	(2) 1M x 36	(2) 256K x 36
10MB	(2) 256K x 36	(2) 1M x 36
12MB	(2) 1M x 36	(2) 512K x 36
12MB	(2) 512K x 36	(2) 1M x 36
16MB	(2) 2M x 36	NONE
16MB	NONE	(2) 2M x 36
16MB	(2) 1M x 36	(2) 1M x 36
18MB	(2) 2M x 36	(2) 256K x 36
18MB	(2) 256K x 36	(2) 2M x 36
20MB	(2) 2M x 36	(2) 512K x 36
20MB	(2) 512K x 36	(2) 2M x 36
24MB	(2) 2M x 36	(2) 1M x 36
24MB	(2) 1M x 36	(2) 2M x 36
32MB	(2) 4M x 36	NONE
32MB	NONE	(2) 4M x 36
32MB	(2) 2M x 36	(2) 2M x 36
34MB	(2) 4M x 36	(2) 256K x 36
34MB	(2) 256K x 36	(2) 4M x 36
36MB	(2) 4M x 36	(2) 512K x 36
36MB	(2) 512K x 36	(2) 4M x 36
40MB	(2) 4M x 36	(2) 1M x 36
40MB	(2) 1M x 36	(2) 4M x 36
48MB	(2) 4M x 36	(2) 2M x 36

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DRAM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
48MB	(2) 2M x 36	(2) 4M x 36
64MB	(2) 8M x 36	NONE
64MB	NONE	(2) 8M x 36
64MB	(2) 4M x 36	(2) 4M x 36
66MB	(2) 8M x 36	(2) 256K x 36
66MB	(2) 256K x 36	(2) 8M x 36
68MB	(2) 8M x 36	(2) 512K x 36
68MB	(2) 512K x 36	(2) 8M x 36
72MB	(2) 8M x 36	(2) 1M x 36
72MB	(2) 1M x 36	(2) 8M x 36
80MB	(2) 8M x 36	(2) 2M x 36
80MB	(2) 2M x 36	(2) 8M x 36
96MB	(2) 8M x 36	(2) 4M x 36
96MB	(2) 4M x 36	(2) 8M x 36
128MB	(2) 8M x 36	(2) 8M x 36

CACHE CONFIGURATION		
Size	Bank 0	Bank 1
256KB	(8) 32K x 8	NONE
512KB (A)	(8) 32K x 8	(8) 32K x 8
512KB (B)	(8) 64K x 8	NONE

CACHE JUMPER CONFIGURATION			
Size	JS1	JS2	JS3
None	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
256KB	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
512KB (A)	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
512KB (B)	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed

CPU SPEED CONFIGURATION	
Speed	JK
60MHz	pins 1 & 4 closed
66MHz	pins 1 & 4, 2 & 5 closed

BIOS CONFIGURATION		
Type	JP11	JP12
EPROM	Open	pins 5 & 6 closed
Flash	Closed	pins 7 & 8 closed

PCI INTA CONFIGURATION (PCI SLOT 1)		
Setting	IRQ	JP4
Level Edge Trigger	see JP15 below	pins 1 & 2 closed
Rising Edge Trigger	IRQ11	pins 2 & 3 closed
Falling Edge Trigger	IRQ11	pins 3 & 4 closed

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PCI INTA CONFIGURATION (PCI SLOT 2)		
Setting	IRQ	JP5
Level Edge Trigger	see JP15 below	pins 1 & 2 closed
Rising Edge Trigger	IRQ14	pins 2 & 3 closed
Falling Edge Trigger	IRQ14	pins 3 & 4 closed

PCI INTA CONFIGURATION (PCI SLOT 3)		
Setting	IRQ	JP6
Level Edge Trigger	see JP15 below	pins 1 & 2 closed
Rising Edge Trigger	IRQ5	pins 2 & 3 closed
Falling Edge Trigger	IRQ5	pins 3 & 4 closed

PCI INTA CONFIGURATION (PCI SLOT 4)		
Setting	IRQ	JP7
Level Edge Trigger	see JP15 below	pins 1 & 2 closed
Rising Edge Trigger	IRQ9	pins 2 & 3 closed
Falling Edge Trigger	IRQ9	pins 3 & 4 closed

PCI IRQ CONFIGURATION	
IRQ	JP15
IRQ5	pins 1 & 2 closed
IRQ9	pins 7 & 8 closed
IRQ10	pins 9 & 10 closed
IRQ11	pins 3 & 4 closed
IRQ12	pins 11 & 12 closed
IRQ14	pins 13 & 14 closed
IRQ15	pins 5 & 6 closed