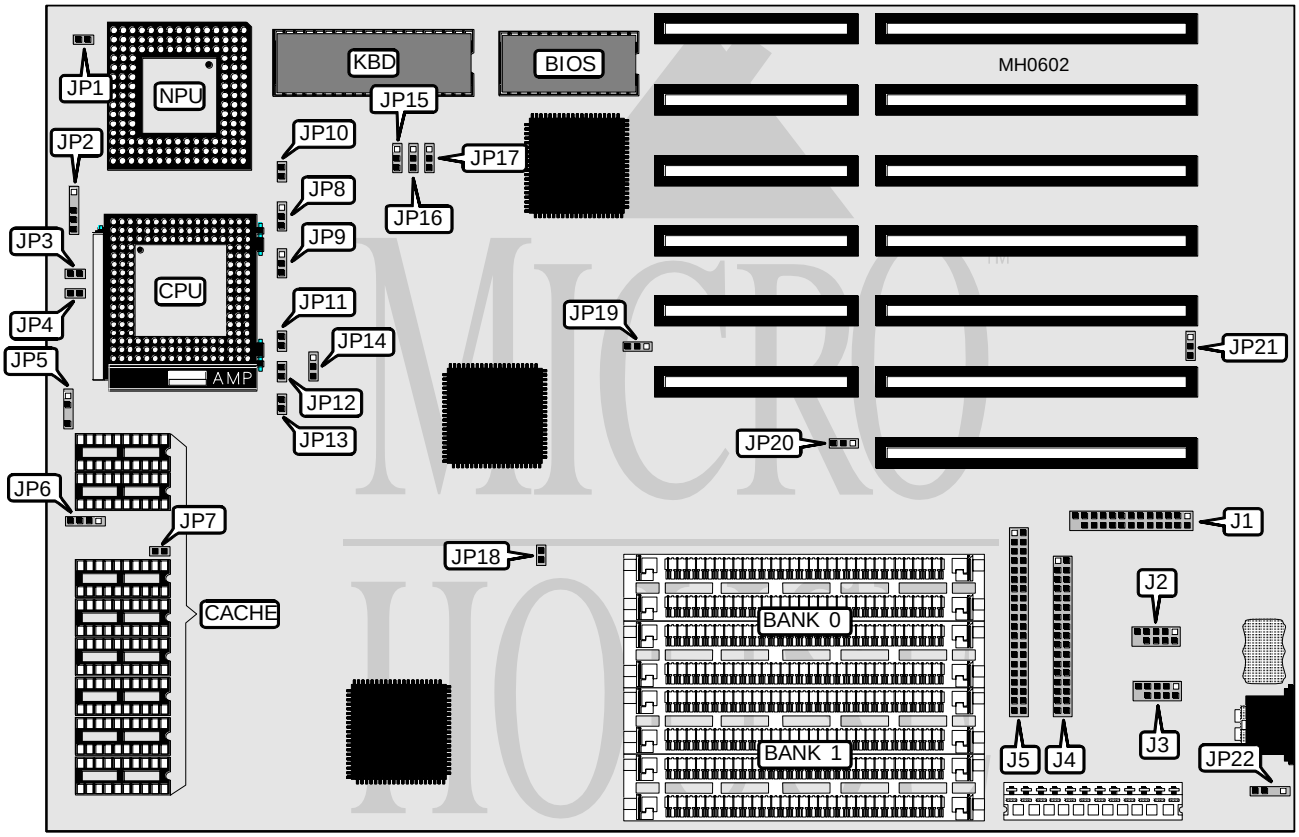
NORTHGATE COMPUTER SYSTEMS, INC.
4 8 6 Z X P

Processor	80486SX/80486DX/80486DX2
Processor Speed	16/20/25/33/50(internal)/66(internal)MHz
Chip Set	OPTI
Max. Onboard DRAM	32MB
Cache	64/256KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	Parallel port, serial ports (2), floppy drive interface, IDE interface
NPU Options	4167



CONNECTIONS			
Purpose	Location	Purpose	Location
Parallel port	J1	Turbo LED	JP3
Serial port 1	J2	Reset switch	JP4
Serial port 2	J3	Speaker	JP5
Floppy drive interface	J4	IDE interface LED	JP6
IDE interface	J5	External battery	JP22
Power LED & keylock	JP2		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
Monitor type select color	JP1	Closed
Monitor type select monochrome	JP1	Open
í Parallel port IRQ select LPT1/IRQ7	JP19	pins 2 & 3 closed
Parallel port IRQ select LPT2/IRQ5	JP19	pins 1 & 2 closed
í I/O ports enabled	JP20	pins 1 & 2 closed
I/O ports disabled	JP20	pins 2 & 3 closed
í Battery type select internal	JP21	pins 2 & 3 closed
Battery type select external	JP21	pins 1 & 2 closed

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(4) 256K x 9	NONE
2MB	(4) 256K x 9	(4) 256K x 9
4MB	(4) 1M x 9	NONE
5MB	(4) 256K x 9	(4) 1M x 9
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
20MB	(4) 4M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9
Note: Systems being used as file servers should not use the 5MB or 20MB configurations.		

CACHE CONFIGURATION	
Size	Bank 0
64KB	(8) 64K x 1
256KB	(8) 64K x 4

CACHE JUMPER CONFIGURATION				
Size	JP7	JP11	JP12	JP13
64KB	Open	Open	Open	Open
256KB	Closed	Closed	Open	Closed

CPU TYPE CONFIGURATION			
Type	JP8	JP9	JP10
80486SX	Open	pins 2 & 3 closed	Open
80486DX	pins 1 & 2 closed	pins 1 & 2 closed	Closed
80486DX2	pins 2 & 3 closed	pins 1 & 2 closed	Closed

CPU SPEEDCONFIGURATION				
Speed	JP14	JP15	JP16	JP17
16MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
20MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
25MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
33MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
50iMHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
66iMHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed