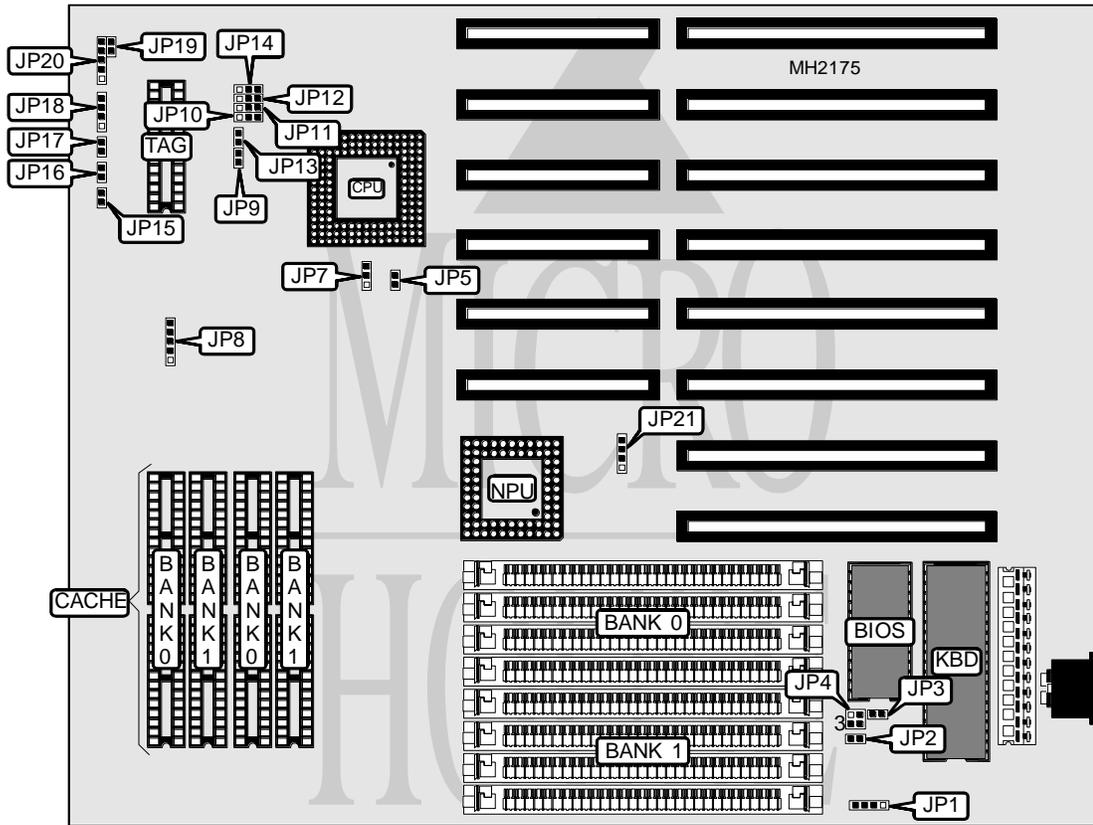


# ROBOTECH, INC. G M B - 3 8 6 U N

**Processor** 80386DX  
**Processor Speed** 33/40MHz  
**Chip Set** UMC  
**Max. Onboard DRAM** 32MB  
**Cache** 32/64/128/256KB  
**BIOS** AMI  
**Dimensions** 254mm x 220mm  
**I/O Options** None  
**NPU Options** 80387DX/3167



CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	JP1	Speaker	JP18
Turbo LED	JP16	Reset switch	JP19
Turbo switch	JP17	Power LED & keylock	JP20

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**GMB-386UN**

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	JP2	pins 1 & 2 closed
CMOS memory clear	JP2	pins 2 & 3 closed
í Monitor type select color	JP3	Closed
Monitor type select monochrome	JP3	Open

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) 256K x 9	(4) 1M x 9
20MB	(4) 1M x 9	(4) 256K x 9
32MB	(4) 4M x 9	(4) 4M x 9

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
32KB	(4) 8K x 8	NONE	(1) 8K x 8
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8
128KB	(4) 32K x 8	NONE	(1) 8K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION (WRITE BACK)								
Size	JP8	JP9	JP10	JP11	JP12	JP13	JP14	JP15
32KB	2 & 3	Open	2 & 3	1 & 2	2 & 3	Open	2 & 3	Open
64KB	1 & 2	Closed	2 & 3	2 & 3	1 & 2	Open	2 & 3	Open
128KB	1 & 2, 3 & 4	Closed	1 & 2	2 & 3	2 & 3	Closed	2 & 3	Open
256KB	1 & 2, 4 & 5	Closed	2 & 3	2 & 3	2 & 3	Closed	1 & 2	Closed

Note: Pins designated should be in the closed position.

CACHE JUMPER CONFIGURATION (WRITE THROUGH)								
Size	JP8	JP9	JP10	JP11	JP12	JP13	JP14	JP15
32KB	2 & 3	Open	2 & 3	2 & 3	2 & 3	Open	2 & 3	Open
64KB	1 & 2	Closed	2 & 3	2 & 3	2 & 3	Open	2 & 3	Open
128KB	1 & 2, 3 & 4	Closed	2 & 3	2 & 3	2 & 3	Closed	2 & 3	Open
256KB	1 & 2, 4 & 5	Closed	2 & 3	2 & 3	2 & 3	Closed	2 & 3	Closed

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION		
Speed	JP7	JP21
33MHz	pins 1 & 2 closed	pins 1 & 2 closed
40MHz	pins 2 & 3 closed	pins 1 & 2 closed

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MATH COPROCESSOR WAIT STATE CONFIGURATION	
Wait states	JP5
0 wait states	Closed
1 wait state	Open

A20 GATE CONFIGURATION	
Setting	JP4
Hardware emulate	Open
8042 keyboard controller	pins 1 & 2 closed
Cyrix CPU emulate	pins 2 & 4 closed
Keyboard controller controls Cyrix CPU	pins 3 & 4 closed