ROBOTECH, INC.
G M B - 4 8 6 U N L

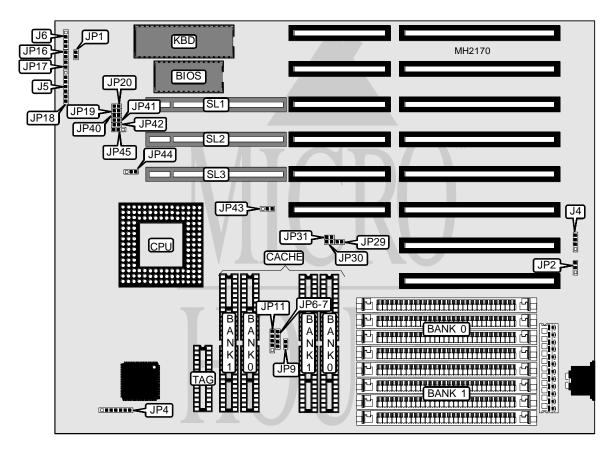|	
Processor	80486SX/80487SX/80486DX/80486DX2
Processor Speed	25/33/40/50(internal)/50/66(internal)MHz
Chip Set	Toshiba
Max. Onboard DRAM	32MB
Cache	64/128/256KB
BIOS	AMI
Dimensions	260mm x 220mm
I/O Options	32-bit VESA local bus slots (3)
NPU Options	None

CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	J4	Turbo switch	JP17
Power LED & keylock	J5	Reset switch	JP18
Speaker	J6	32-bit VESA local bus slots	SL1 - SL3
Turbo LED	JP16		

ROBOTECH, INC.
GMB-486UNL

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Monitor type select color	JP1	Closed
Monitor type select monochrome	JP1	Open
í CMOS memory normal operation	JP2	pins 2 & 3 closed
CMOS memory clear	JP2	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) 1M x 9	(4) 4M x 9
20MB	(4) 4M x 9	(4) 1M 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				
Size	JP6	JP7	JP9	JP11
32KB	Open	Open	Open	pins 2 & 3 closed
64KB	Open	Closed	Open	pins 1 & 2 closed
128KB	Open	Closed	Closed	pins 1 & 2, 3 & 4 closed
256KB	Closed	Closed	Closed	pins 1 & 2, 4 & 5 closed

CPU TYPE CONFIGURATION	
Type	JP4
80486SX	pins 5 & 6 closed
80487SX	pins 2 & 3, 4 & 5, 6 & 7 closed
80486DX/DX2	pins 1 & 2, 4 & 5, 6 & 7 closed

CPU SPEED CONFIGURATION			
Speed	JP29	JP30	JP31
25MHz	Closed	Open	Closed
33MHz	Closed	Closed	Open
40MHz	Open	Open	Closed
50iMHz	Closed	Open	Closed
50MHz	Open	Closed	Open
66iMHz	Closed	Closed	Open

ROBOTECH, INC.
G M B - 4 8 6 U N L

VESA CLOCK SPEED CONFIGURATION	
CPU speed	JP43
Same phase as CPU	pins 2 & 3 closed
Same phase as Toshiba U4800 chipset	pins 1 & 2 closed

BUS SPEED CONFIGURATION	
CPU speed	JP19
<=33MHz	Open
>33MHz	Closed

VESA WAIT STATE CONFIGURATION	
Wait states	JP20
0 wait states	Open
1 wait state	Closed

VESA MASTER/SLAVE CONFIGURATION				
Setting	JP40	JP41	JP42	JP44	JP45
PAL/GAL installed	Open	Open	Open	pins 1 & 2 closed	pins 2 & 3 closed
PAL/GAL not installed	Closed	Closed	Closed	pins 2 & 3 closed	pins 2 & 3 closed