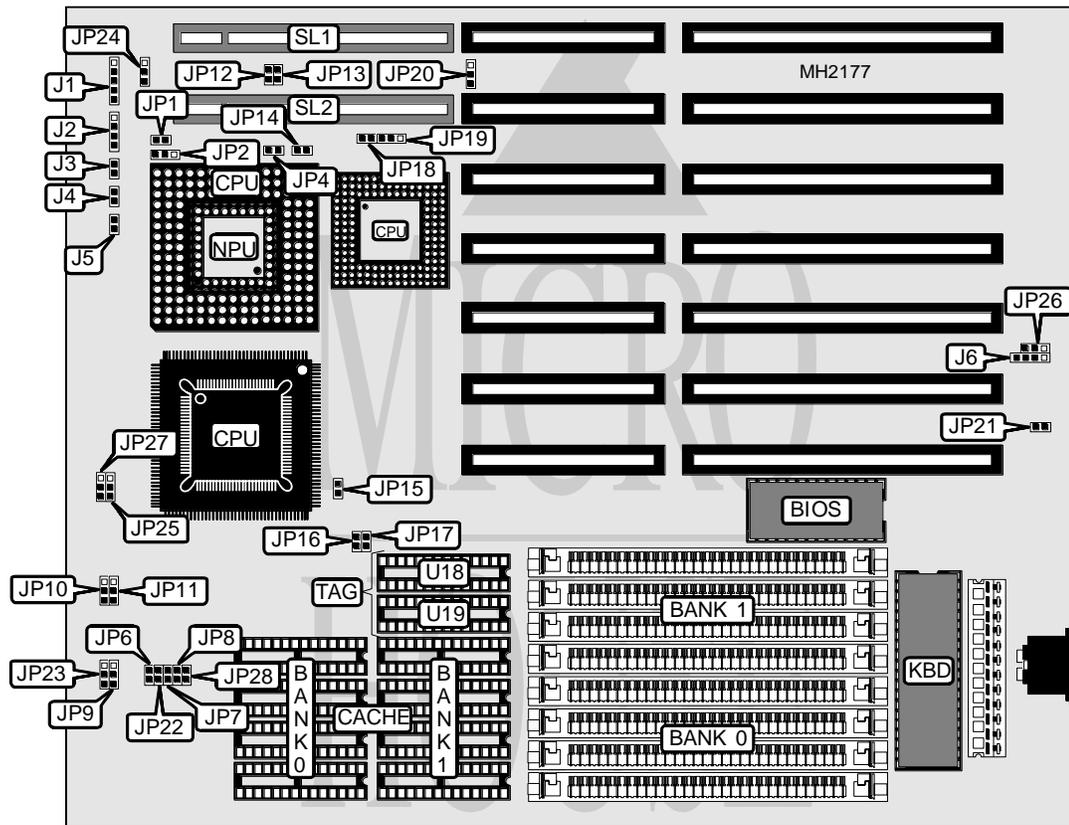


# ROBOTECH, INC.

## 386SX/486DX

<b>Processor</b>	80386DX/CX486DLC/80486SX/80487SX/ODP486SX/80486DX/80486DX2
<b>Processor Speed</b>	25/33/40/50(internal)/50/66(internal)MHz
<b>Chip Set</b>	OPTI
<b>Max. Onboard DRAM</b>	64MB
<b>Cache</b>	64/128/256KB
<b>BIOS</b>	AMI
<b>Dimensions</b>	254mm x 220mm
<b>I/O Options</b>	32-bit VESA local bus slots (2)
<b>NPU Options</b>	80387DX



CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	J1	Turbo LED	J5
Speaker	J2	External battery	J6
Turbo switch	J3	32-bit VESA local bus slots	SL1 & SL2
Reset switch	J4		

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## 386SX/486DX

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Turbo switch enabled	J3	Open
turbo switch disabled	J3	Closed
í CMOS memory normal operation	J6	pins 2 & 3 closed
CMOS memory clear	J6	pins 3 & 4 closed
í Cyrix DLC PQFP CPU disabled	JP4	Closed
Cyrix DLC PQFP CPU enabled	JP4	Open
í 80386DX/80486DX PQFP CPU disabled	JP15	Closed
80386DX/80486DX PQFP CPU enabled	JP15	Open
í Monitor type select color	JP21	Closed
Monitor type select monochrome	JP21	Open
í Factory configured - do not alter	JP23	Open
í VESA card select standard card in SL1	JP24	pins 2 & 3 closed
VESA card select WD31 or Tekram IDE card (50MHz only)	JP24	pins 1 & 2 closed
í Battery type select Lithum	JP26	pins 1 & 2 closed
Battery type select NI-CD	JP26	pins 2 & 3 closed
í 80486DX-50 version select old	JP28	Open
80486DX-50 version select new	JP28	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
17MB	(4) 256K x 9	(4) 4M x 9
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
64MB	(4) 16M x 9	NONE

CACHE CONFIGURATION				
Size	Bank 0	Bank 1	TAG (U18)	TAG (U19)
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8	NONE
128KB	(4) 32K x 8	NONE	(1) 8K x 8	NONE
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8	NONE
256KB	(4) 32K x 8	(4) 32K x 8	(1) 8K x 8	(1) 8K x 8

CACHE JUMPER CONFIGURATION				
Size	JP10	JP11	JP16	JP17
64KB	pins 2 & 3 closed	pins 2 & 3 closed	Open	Open
128KB	pins 1 & 2 closed	pins 1 & 2 closed	Closed	Open
256KB	pins 2 & 3 closed	pins 2 & 3 closed	Closed	Closed

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# ROBOTECH, INC.

## 386SX/486DX

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CPU TYPE CONFIGURATION				
Type	JP14	JP20	JP25	JP27
80386	Open	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486	Closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed

CPU TYPE CONFIGURATION (80386DX/CX486DLC)					
Type	JP14	JP15	JP20	JP25	JP27
80386DX (PQFP)	Open	Open	2 & 3	1 & 2	1 & 2
80386DX (PGA)	Open	Closed	2 & 3	1 & 2	1 & 2
CX486DLC (PGA)	Open	Closed	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION (80386DX/CX486DLC)					
Speed	JP6	JP7	JP8	JP9	JP22
33MHz	Closed	Closed	Open	pins 2 & 3 closed	Open
40MHz	Closed	Closed	Closed	pins 2 & 3 closed	Open

CPU TYPE CONFIGURATION (80486)			
Type	JP2	JP18	JP19
80486SX (PGA)	Open	Open	pins 2 & 3 closed
80487SX	pins 2 & 3 closed	Closed	pins 1 & 2 closed
ODP486SX	pins 2 & 3 closed	Closed	pins 1 & 2 closed
80486DX/DX2	pins 1 & 2 closed	Closed	pins 1 & 2 closed

CPU SPEED CONFIGURATION (80486)					
Speed	JP6	JP7	JP8	JP9	JP22
25MHz	Open	Open	Open	pins 1 & 2 closed	Closed
33MHz	Open	Open	Closed	pins 1 & 2 closed	Open
40MHz	Open	Closed	Closed	pins 1 & 2 closed	Open
50iMHz	Open	Open	Open	pins 1 & 2 closed	Closed
50MHz	Open	Closed	Open	pins 1 & 2 closed	Open
66iMHz	Open	Open	Closed	pins 1 & 2 closed	Open

VESA IDE CONFIGURATION			
IDE	JP1	JP12	JP13
IDE2	Open	Open	Closed
IDE3	Open	Closed	Open
IDE4	Closed	Open	Open