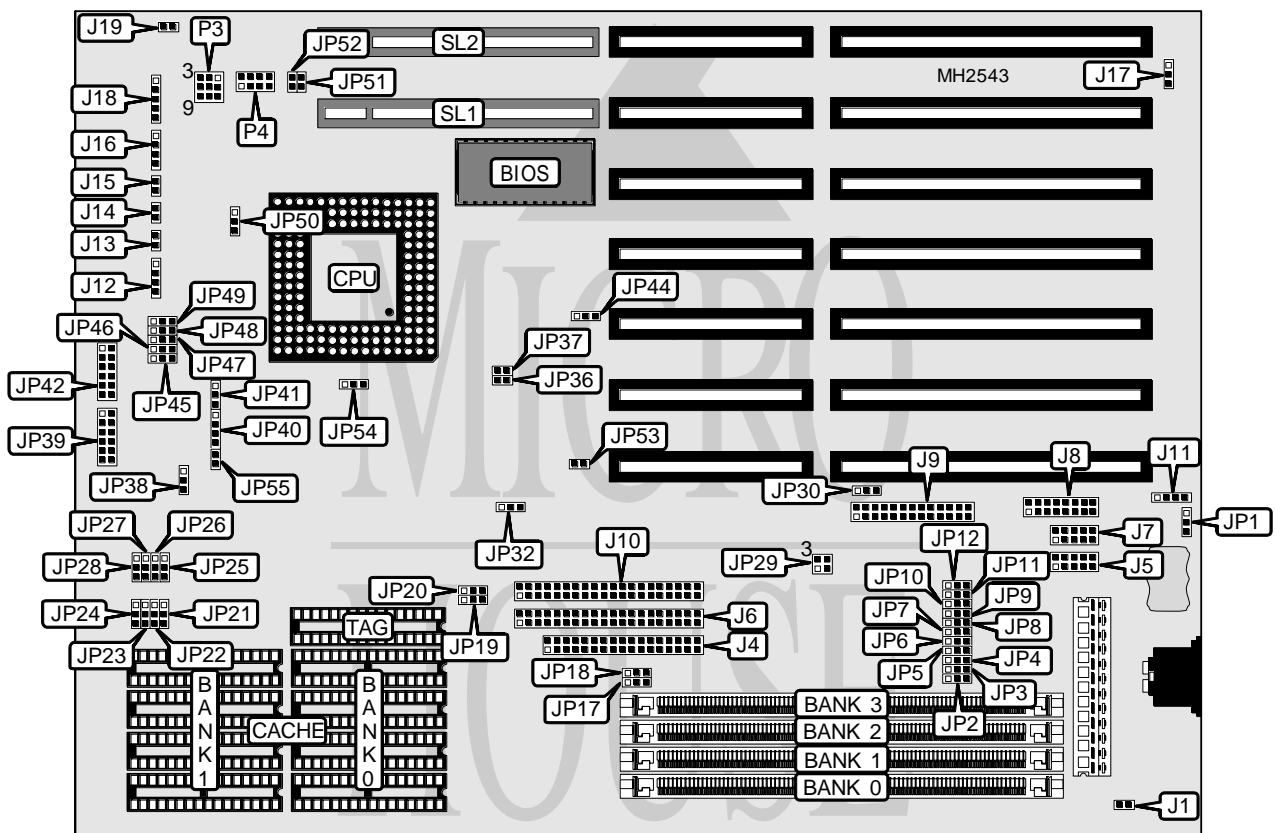


## CHICONY, INC.

## CH-471B

<b>Processor</b>	CX486S/80486SX/SL80486SX/SL80486SX2/CX486DX/AM486DX/SL80486DX/80486DX/CX486DX2/AM486DX2/SL80486DX2/80486DX2/80486DX4/P24D/ Pentium Overdrive
<b>Processor Speed</b>	25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
<b>Chip Set</b>	SIS
<b>Max. Onboard DRAM</b>	128MB
<b>Cache</b>	32/64/128/256/512/1024KB
<b>BIOS</b>	Award
<b>Dimensions</b>	330mm x 218mm
<b>I/O Options</b>	32-bit VESA local bus slots (2), floppy drive interface, game port, green PC connector, IDE interfaces (2), parallel port, serial ports (2)
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Green PC connector	J1	Reset switch	J13
Floppy drive interface	J4	Turbo switch	J14
Serial port 2	J5	Turbo LED	J15
IDE interface (VESA)	J6	Speaker	J16
Serial port 1	J7	Green PC connector	J17
Game interface	J8	Power LED & keylock	J18
Parallel port	J9	Green PC connector	J19
IDE interface (ISA)	J10	Voltage connector	P4
External battery	J11	32-bit VESA local bus slots	SL1 & SL2
IDE interface LED	J12		

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	JP1	pins 1 & 2 closed
CMOS memory clear	JP1	pins 2 & 3 closed
í Floppy drive interface enabled	JP6	pins 1 & 2 closed
Floppy drive interface disabled	JP6	pins 2 & 3 closed
í IDE interface enabled (ISA)	JP7	pins 1 & 2 closed
IDE interface disabled (ISA)	JP7	pins 2 & 3 closed
í Game port enabled	JP10	pins 1 & 2 closed
Game port disabled	JP10	pins 2 & 3 closed
í Floppy drive address range select 3F0 to 3F7	JP11	pins 2 & 3 closed
Floppy drive address range select 370 to 377	JP11	pins 1 & 2 closed
í ISA IDE address range select 170	JP12	pins 1 & 2 closed
ISA IDE address range select 1F0	JP12	pins 2 & 3 closed
í ISA IDE IRQ select IRQ15	JP32	pins 1 & 2 closed
ISA IDE IRQ select IRQ14	JP32	pins 2 & 3 closed
í Parallel port IRQ select IRQ7	JP30	pins 2 & 3 closed
Parallel port IRQ select IRQ5	JP30	pins 1 & 2 closed
í IDE interface enabled (VESA)	JP38	pins 1 & 2 closed
IDE interface disabled (VESA)	JP38	pins 2 & 3 closed
í Factory configured - do not alter	JP44	N/A

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
2MB	(1) 512K x 36	NONE	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	NONE
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	NONE
6MB	(1) 512K x 36	(1) 1M x 36	NONE	NONE

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	(1) 1M x 36
8MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 2M x 36	NONE	NONE	NONE
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	NONE
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
16MB	(1) 4M x 36	NONE	NONE	NONE
17MB	(1) 256K x 36	(1) 4M x 36	NONE	NONE
18MB	(1) 512K x 36	(1) 4M x 36	NONE	NONE
20MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	NONE
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
24MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	(1) 4M x 36
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	NONE
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	NONE
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 8M x 36	NONE	NONE	NONE
36MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE
36MB	(1) 1M x 36	(1) 8M x 36	NONE	NONE
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	NONE
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
48MB	(1) 4M x 36	(1) 8M x 36	NONE	NONE
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	NONE
64MB	(1) 16M x 36	NONE	NONE	NONE
64MB	(1) 8M x 36	(1) 8M x 36	NONE	NONE
65MB	(1) 256K x 36	(1) 16M x 36	NONE	NONE
68MB	(1) 1M x 36	(1) 16M x 36	NONE	NONE
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	NONE
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 1M x 36	(1) 16M x 36	NONE
80MB	(1) 4M x 36	(1) 16M x 36	NONE	NONE
80MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	NONE
96MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	NONE
96MB	(1) 4M x 36	(1) 4M x 36	(1) 16M x 36	NONE
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 16M x 36	(1) 16M x 36	NONE	NONE

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CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
32KB	(4) 8K x 8	NONE	(1) 2K x 8
64KB	(4) 8K x 8	(4) 8K x 8	(1) 4K x 8
128KB	(4) 32K x 8	NONE	(1) 8K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 16K x 8
512KB	(4) 128K x 8	NONE	(1) 32K x 8
1MB	(4) 128K x 8	(4) 128K x 8	(1) 64K x 8

CACHE JUMPER CONFIGURATION								
Size	JP21	JP22	JP23	JP24	JP25	JP26	JP27	JP28
32KB	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3
64KB	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
128KB	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
256KB	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
512KB	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
1MB	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION				
Type	JP39	JP42	JP45	JP46
CX486S	7 & 8, 9 & 10, 11 & 12	Open	Open	Open
80486SX	Open	Open	2 & 3	2 & 3
SL80486SX	7 & 8, 9 & 10, 11 & 12	Open	1 & 2	2 & 3
SL80486SX2	7 & 8, 9 & 10, 11 & 12	Open	1 & 2	2 & 3
CX486DX	7 & 8, 9 & 10, 11 & 12	Open	Open	Open
AM486DX	Open	Open	2 & 3	2 & 3
SL80486DX	7 & 8, 9 & 10, 11 & 12	Open	1 & 2	2 & 3
80486DX	Open	Open	2 & 3	2 & 3
CX486DX2	7 & 8, 9 & 10, 11 & 12	Open	Open	Open
AM486DX2	Open	Open	2 & 3	2 & 3
SL80486DX2	7 & 8, 9 & 10, 11 & 12	Open	1 & 2	2 & 3
80486DX2	Open	Open	2 & 3	2 & 3
80486DX4	7 & 8, 9 & 10, 11 & 12	Open	1 & 2	2 & 3
P24D	7 & 8, 9 & 10, 11 & 12	Open	Open	Open
P24T	7 & 8, 9 & 10, 11 & 12	Open	Open	Open

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION (CON'T)					
Type	JP47	JP48	JP49	JP53	JP54
CX486S	Open	Open	Open	Closed	2 & 3
80486SX	2 & 3	2 & 3	2 & 3	Open	2 & 3
SL80486SX	2 & 3	2 & 3	2 & 3	Closed	2 & 3
SL80486SX2	2 & 3	2 & 3	2 & 3	Closed	2 & 3
CX486DX	Open	Open	Open	Closed	2 & 3
AM486DX	2 & 3	2 & 3	2 & 3	Open	2 & 3

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CPU TYPE CONFIGURATION (CON'T)					
Type	JP47	JP48	JP49	JP53	JP54
SL80486DX	2 & 3	2 & 3	2 & 3	Closed	2 & 3
80486DX	2 & 3	2 & 3	2 & 3	Open	2 & 3
CX486DX2	Open	Open	Open	Closed	2 & 3
AM486DX2	2 & 3	2 & 3	2 & 3	Open	2 & 3
SL80486DX2	2 & 3	2 & 3	2 & 3	Closed	2 & 3
80486DX2	2 & 3	2 & 3	2 & 3	Open	2 & 3
80486DX4	2 & 3	2 & 3	2 & 3	Closed	1 & 2
P24D	Open	Open	Open	Closed	2 & 3
P24T	Open	Open	Open	Closed	2 & 3

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION		
Type	JP19	JP20
Intel/AMD	pins 1 & 2 closed	pins 2 & 3 closed
Cyrix	pins 2 & 3 closed	pins 1 & 2 closed
Intel P24D/P24T	pins 1 & 2 closed	pins 1 & 2 closed

CPU TYPE CONFIGURATION			
Type	JP40	JP41	JP55
80487SX	pins 1 & 2, 3 & 4 closed	pins 2 & 3 closed	Open
80486SX/CX M6/UMC U5S	pins 2 & 3 closed	Open	Open
CX M7	pins 1 & 2, 3 & 4 closed	pins 1 & 2 closed	Closed
Intel/AMD/Cyrix	pins 1 & 2, 3 & 4 closed	pins 1 & 2 closed	Open

CPU SPEED CONFIGURATION		
Speed	JP36	JP37
25MHz	Open	Open
33MHz	Closed	Closed
40MHz	Open	Closed
50MHz	Closed	Open
50iMHz	Open	Open
66iMHz	Closed	Closed
75iMHz	Open	Open
100iMHz	Closed	Closed

CPU SPEED CONFIGURATION	
Speed	JP50
2x	pins 2 & 3 closed
2.5x	pins 1 & 2 closed
3x	Open

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### CPU VOLTAGE CONFIGURATION

Voltage	P3
3.3v	pins 1 & 2, 4 & 5, 6 & 7 closed
5v	pins 2 & 3, 5 & 6, 8 & 9 closed

### VESA WAIT STATE CONFIGURATION

Wait states	JP52
0 wait states	Open
1 wait state	Closed

### BUS SPEED CONFIGURATION

CPU speed	JP51
<= 33MHz	Open
> 33MHz	Closed

### PARALLEL PORT CONFIGURATION

Address	JP8	JP9
378	pins 1 & 2 closed	pins 2 & 3 closed
278	pins 1 & 2 closed	pins 1 & 2 closed
3BC	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	pins 2 & 3 closed	pins 2 & 3 closed

### SERIAL PORT 1 CONFIGURATION

Address	JP2	JP3
3F8	pins 1 & 2 closed	pins 1 & 2 closed
2F8	pins 1 & 2 closed	pins 2 & 3 closed
3E8	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	pins 2 & 3 closed	pins 2 & 3 closed

### SERIAL PORT 2 CONFIGURATION

Address	JP4	JP5
2F8	pins 1 & 2 closed	pins 1 & 2 closed
3F8	pins 1 & 2 closed	pins 2 & 3 closed
3E8	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	pins 2 & 3 closed	pins 2 & 3 closed

### SERIAL PORT IRQ CONFIGURATION

COM1	COM2	JP29
IRQ3	IRQ4	pins 1 & 2, 3 & 4 closed
IRQ4	IRQ3	pins 1 & 3, 2 & 4 closed

### FLOPPY DRIVE MEDIA CONFIGURATION

Setting	JP17	JP18
All floppy types	pins 1 & 2 closed	pins 1 & 2 closed
2.88MB only	pins 2 & 3 closed	pins 2 & 3 closed