



**FREE COMPUTER TECHNOLOGY, INC.**  
**486F39X, 486VL VIII**

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	JP4	pins 2 & 3 closed
CMOS memory clear	JP4	pins 1 & 2 closed

DRAM CONFIGURATION (GROUP 1)			
Size	Bank 0	Bank 1	Bank 2
1MB	(4) 256Kx 9	NONE	NONE
2MB	(4) 256K x 9	(1) 256K x 36	NONE
4MB	(4) 256K x 9	(1) 256K x 36	(1) 512K x 36
4MB	(4) 1M x 9	NONE	NONE
5MB	(4) 256K x 9	(1) 1M x 36	NONE
6MB	(4) 256K x 9	(1) 256K x 36	(1) 1M x 36
8MB	(4) 1M x 9	(1) 1M x 36	NONE
10MB	(4) 256K x 9	(1) 256K x 36	(1) 2M x 36
12MB	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36
16MB	(4) 4M x 9	NONE	NONE
16MB	(4) 1M x 9	(1) 1M x 36	(1) 2M x 36
17MB	(4) 256K x 9	(1) 4M x 36	NONE
18MB	(4) 256K x 9	(1) 256K x 36	(1) 4M x 36
20MB	(4) 1M x 9	(1) 4M x 36	NONE
24MB	(4) 1M x 9	(1) 1M x 36	(1) 4M x 36
32MB	(4) 4M x 9	(1) 4M x 36	NONE
36MB	(4) 1M x 9	(1) 4M x 36	(1) 4M x 36
40MB	(4) 1M x 9	(1) 1M x 36	(1) 8M x 36
48MB	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36
64MB	(4) 4M x 9	(1) 4M x 36	(1) 8M x 36

DRAM CONFIGURATION (GROUP 2)			
Size	Bank 0	Bank 1	Bank 2
1MB	NONE	(1) 256K x 36	NONE
2MB	NONE	(1) 256K x 36	(1) 256K x 36
4MB	NONE	(1) 1M x 36	NONE
5MB	NONE	(1) 256K x 36	(1) 1M x 36
8MB	NONE	(1) 1M x 36	(1) 1M x 36
16MB	NONE	(1) 4M x 36	NONE
17MB	NONE	(1) 256K x 36	(1) 4M x 36
20MB	NONE	(1) 1M x 36	(1) 4M x 36
32MB	NONE	(1) 4M x 36	(1) 4M x 36

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DRAM CONFIGURATION (GROUP 3)			
Size	Bank 0	Bank 1	Bank 2
2MB	NONE	(1) 512K x 36	NONE
4MB	NONE	(1) 512K x 36	(1) 512K x 36
6MB	NONE	(1) 512K x 36	(1) 1M x 36
8MB	NONE	(1) 2M x 36	NONE
10MB	NONE	(1) 512K x 36	(1) 2M x 36
12MB	NONE	(1) 2M x 36	(1) 1M x 36
16MB	NONE	(1) 2M x 36	(1) 2M x 36
18MB	NONE	(1) 512K x 36	(1) 4M x 36
24MB	NONE	(1) 2M x 36	(1) 4M x 36
32MB	NONE	(1) 8M x 36	NONE
40MB	NONE	(1) 2M x 36	(1) 8M x 36
48MB	NONE	(1) 8M x 36	(1) 4M x 36
64MB	NONE	(1) 8M x 36	(1) 8M x 36

DRAM JUMPER CONFIGURATION	
Group	JP31
Group 1	pins 2 & 3, 4 & 5 closed
Group 2	pins 1 & 2, 3 & 4 closed
Group 3	pins 1 & 2, 4 & 5 closed

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

CACHE JUMPER CONFIGURATION		
Size	JP12	JP21
128KB	pins 1 & 2 closed	Open
256KB	pins 2 & 3 closed	Open
256KB	pins 1 & 2, 3 & 4 closed	Open
512KB	pins 2 & 3, 4 & 5 closed	Closed
512KB	pins 1 & 2, 3 & 4 closed	Closed

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CPU TYPE CONFIGURATION		
Type	JP6	JP7
CX486S	1 & 2, 3 & 4	2 & 3, 4 & 5, 7 & 8, 9 & 10
80486SX/SX2	2 & 3, 4 & 5	1 & 2, 3 & 4, 6 & 7, 8 & 9
CX486DX	1 & 2, 3 & 4	2 & 3, 4 & 5, 7 & 8, 9 & 10
CX486DX2	1 & 2, 3 & 4	2 & 3, 4 & 5, 7 & 8, 9 & 10
80486DX/DX2	2 & 3, 4 & 5	1 & 2, 3 & 4, 6 & 7, 8 & 9
80486DX4 (2x)	2 & 3, 4 & 5	1 & 2, 3 & 4, 6 & 7, 8 & 9
80486DX4 (2.5x)	2 & 3, 4 & 5	1 & 2, 3 & 4, 6 & 7, 8 & 9
80486DX4 (3x)	2 & 3, 4 & 5	1 & 2, 3 & 4, 6 & 7, 8 & 9
Overdrive	2 & 3, 4 & 5	1 & 2, 3 & 4, 6 & 7, 8 & 9
Pentium Overdrive	1 & 2, 4 & 5	1 & 2, 3 & 4, 6 & 7, 8 & 9

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION (CON'T)			
Type	JP11	JP14	JP15
CX486S	Open	2 & 3, 5 & 6	3 & 4
80486SX/SX2	Open	2 & 3, 4 & 5, 6 & 7	3 & 4
CX486DX	Open	3 & 4	1 & 2, 5 & 6
CX486DX2	Open	1 & 2, 5 & 6	1 & 2, 3 & 4
80486DX/DX2	Open	1 & 2, 4 & 5, 6 & 7	3 & 4
80486DX4 (2x)	2 & 3	1 & 2, 4 & 5, 6 & 7	3 & 4
80486DX4 (2.5x)	1 & 2	1 & 2, 4 & 5, 6 & 7	3 & 4
80486DX4 (3x)	Open	1 & 2, 4 & 5, 6 & 7	3 & 4
Overdrive	Open	1 & 2, 4 & 5, 6 & 7	3 & 4
Pentium Overdrive	Open	1 & 2, 4 & 5, 6 & 7	4 & 5

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION			
Speed	JP17	JP19	JP20
25MHz	Closed	Open	Closed
33MHz	Closed	Closed	Open
40MHz	Open	Open	Closed
50iMHz	Closed	Open	Closed
50MHz	Open	Closed	Open
66iMHz	Closed	Closed	Open

BUS SPEED CONFIGURATION	
CPU speed	JP24
<=33MHz	Open
>33MHz	Closed