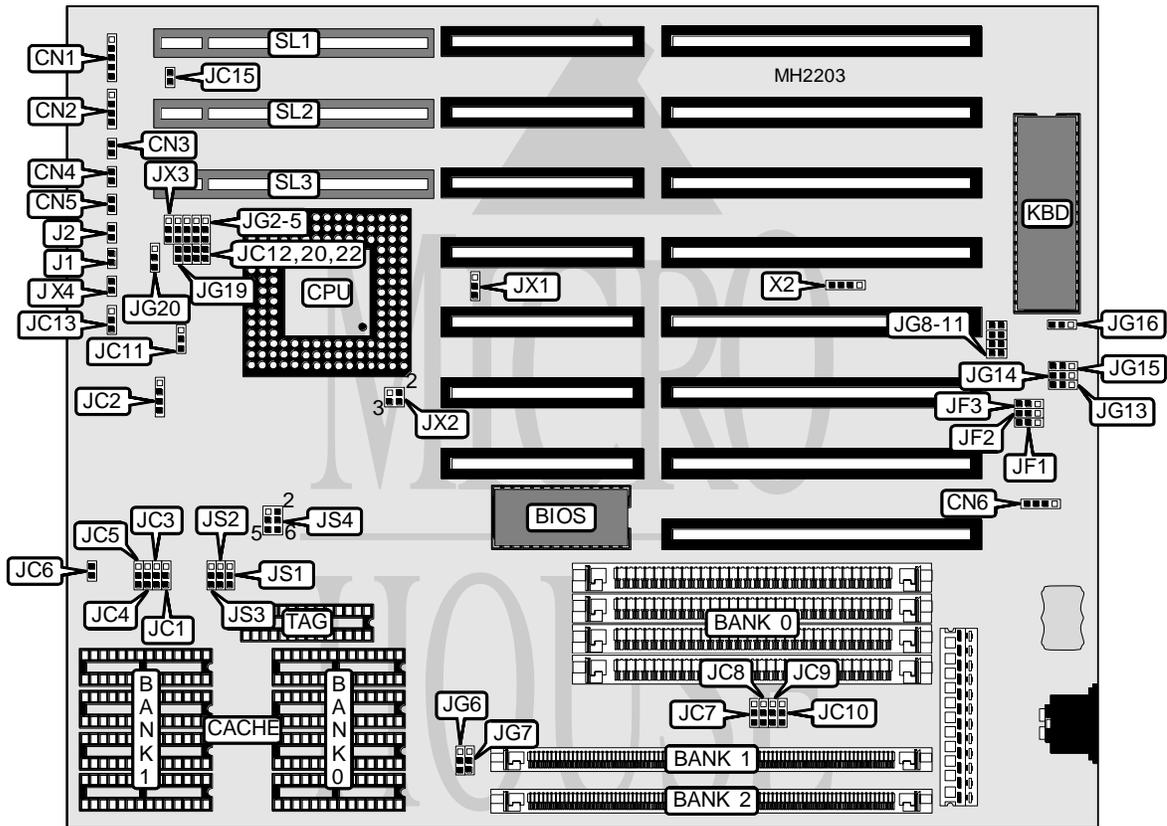


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SA-486 VL-BUS M.B. REV. V2C

Processor	CX486SX/80486SX/80487SX/AMD486DXLV/CX486DX/80486DX/80486DX2/ 80486DX4/Pentium Overdrive
Processor Speed	20/25/33/40/50(internal)/50/66(internal)MHz
Chip Set	ALI
Max. Onboard DRAM	128MB
Cache	128/256/512/1024KB
BIOS	Phoenix
Dimensions	254mm x 220mm
I/O Options	32-bit VESA local bus slots (3), green PC connector
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	CN1	Green PC connector	JG7
Speaker	CN2	Green PC connector	JG8
Reset switch	CN3	Green PC connector	JG9
Turbo switch	CN4	Green PC connector	JG10
Turbo LED	CN5	Green PC connector	JG11
External battery	CN6	32-bit VESA local bus slots	SL1 - SL3
SMI connector	JG6		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Turbo switch enabled	CN4	Closed
Turbo switch disabled	CN4	Open
í Factory configured - do not alter	JC12	Open
í Factory configured - do not alter	JC15	Open
í Factory configured - do not alter	JG16	Open
í Factory configured - do not alter	X2	Open

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
1MB	(4) 256K x 9	NONE	NONE
2MB	NONE	NONE	(1) 512K x 36
2MB	NONE	(1) 512K x 36	NONE
4MB	NONE	(1) 1M x 36	NONE
4MB	(4) 1M x 9	NONE	NONE
4MB	NONE	NONE	(1) 1M x 36
5MB	(4) 256K x 9	(1) 1M x 36	NONE
8MB	(4) 1M x 9	(1) 1M x 36	NONE
8MB	NONE	(1) 2M x 36	NONE
8MB	NONE	NONE	(1) 2M x 36
16MB	(4) 4M x 9	NONE	NONE
16MB	NONE	(1) 4M x 36	NONE
16MB	NONE	NONE	(1) 4M x 36
17MB	(4) 256K x 9	(1) 4M x 36	NONE
20MB	(4) 4M x 9	(1) 1M x 36	NONE
20MB	(4) 1M x 9	(1) 4M x 36	NONE
20MB	NONE	(1) 1M x 36	(1) 4M x 36
20MB	NONE	(1) 4M x 36	(1) 1M x 36
32MB	NONE	(1) 8M x 36	NONE
32MB	NONE	NONE	(1) 8M x 36
32MB	(4) 4M x 9	(1) 4M x 36	NONE
64MB	NONE	(1) 16M x 36	NONE
64MB	NONE	NONE	(1) 16M x 36
64MB	(4) 16M x 9	NONE	NONE
128MB	NONE	(1) 16M x 36	(1) 16M x 36

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) 32K x 8
256KB	(4) 64K x 8	NONE	(1) 32K x 8
512KB	(4) 64K x 8	(4) 64K x 8	(1) 32K x 8
512KB	(4) 128K x 8	NONE	(1) 64K x 8
1MB	(4) 128K x 8	(4) 128K x 8	(1) 64K or 128K x 8

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CACHE JUMPER CONFIGURATION				
Size	JS1	JS2	JS3	JS4
128KB	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 3 closed
256KB	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 4 closed
256KB	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 3 closed
512KB	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 3 & 5 closed
512KB	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 3 closed
1MB	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 4 & 6 closed

CPU TYPE CONFIGURATION							
Type	JC1	JC2	JC3	JC4	JC5	JC6	JC20
CX486SX	Open	2 & 3	1 & 2	1 & 2	2 & 3	Open	Open
80486SX	Open	2 & 3	1 & 2	1 & 2	Open	Closed	Closed
80487SX	1 & 2	1 & 2, 3 & 4	1 & 2	1 & 2	Open	Closed	Open
CX486DX	2 & 3	1 & 2, 3 & 4	1 & 2	1 & 2	2 & 3	Closed	Open
AMD486DX	2 & 3	1 & 2, 3 & 4	1 & 2	1 & 2	Open	Closed	Open
80486DX/DX2	2 & 3	1 & 2, 3 & 4	1 & 2	1 & 2	Open	Closed	Closed
80486DX4	2 & 3	1 & 2, 3 & 4	1 & 2	1 & 2	Open	Closed	Closed
P4S/P24S	2 & 3	1 & 2, 3 & 4	1 & 2	1 & 2	Open	Closed	Closed
P23S	Open	2 & 3	1 & 2	1 & 2	Open	Closed	Open
P24T	1 & 2	1 & 2, 3 & 4	2 & 3	2 & 3	1 & 2	Closed	Closed

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION (CON'T)							
Type	JC22	JG2	JG3	JG4	JG5	JG19	JG20
CX486SX	Closed	1 & 2	1 & 2	1 & 2	1 & 2	Closed	1 & 2
80486SX	Open	1 & 2	1 & 2	1 & 2	1 & 2	Open	Open
80487SX	Open	1 & 2	1 & 2	1 & 2	1 & 2	Open	2 & 3
CX486DX	Closed	1 & 2	1 & 2	1 & 2	1 & 2	Closed	1 & 2
AMD486DX	Open	2 & 3	2 & 3	2 & 3	2 & 3	Open	Open
80486DX/DX2	Open	1 & 2	1 & 2	1 & 2	1 & 2	Open	Open
80486DX4	Open	2 & 3	2 & 3	2 & 3	Open	Open	2 & 3
P4S/P24S	Open	2 & 3	2 & 3	2 & 3	2 & 3	Open	2 & 3
P23S	Open	2 & 3	2 & 3	2 & 3	2 & 3	Open	2 & 3
P24T	Open	2 & 3	2 & 3	2 & 3	2 & 3	Open	Open

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION (CON'T)			
Type	JC7	JC8	JC9
CX486SX	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
CX486DX	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
80486DX/DX2/DX4	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
Pentium Overdrive	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed

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CPU SPEED CONFIGURATION				
Speed	JF1	JF2	JF3	JG13
20MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
25MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	Open
33MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	Open
40MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
50iMHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	Open
50MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	Open
66iMHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	Open

CPU SPEED CONFIGURATION (CON'T)					
Speed	JG14	JG15	JC10	JC11	JC13
20MHz	Open	Open	1 & 2	1 & 2	1 & 2
25MHz	1 & 2	Open	1 & 2	1 & 2	1 & 2
33MHz	Open	1 & 2	1 & 2	1 & 2	1 & 2
40MHz	Open	Open	2 & 3	2 & 3	2 & 3
50iMHz	1 & 2	Open	1 & 2	1 & 2	1 & 2
50MHz	1 & 2	Open	2 & 3	2 & 3	2 & 3
66iMHz	Open	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION (DX4)		
Speed	JX3	JX4
2x	pins 2 & 3 closed	Open
2.5x	Open	Closed
3x	pins 1 & 2 closed	Open

CPU VOLTAGE CONFIGURATION		
Voltage	JX1	JX2
3.3v	pins 2 & 3 closed	Open
3.45v	pins 1 & 2 closed	Open
5v	Open	pins 1 & 2, 3 & 4 closed

BUS SPEED CONFIGURATION	
CPU speed	J1
<=33MHz	Open
>33MHz	Closed

VESA WAIT STATE CONFIGURATION	
Wait states	J2
0 wait states	Open
1 wait state	Closed