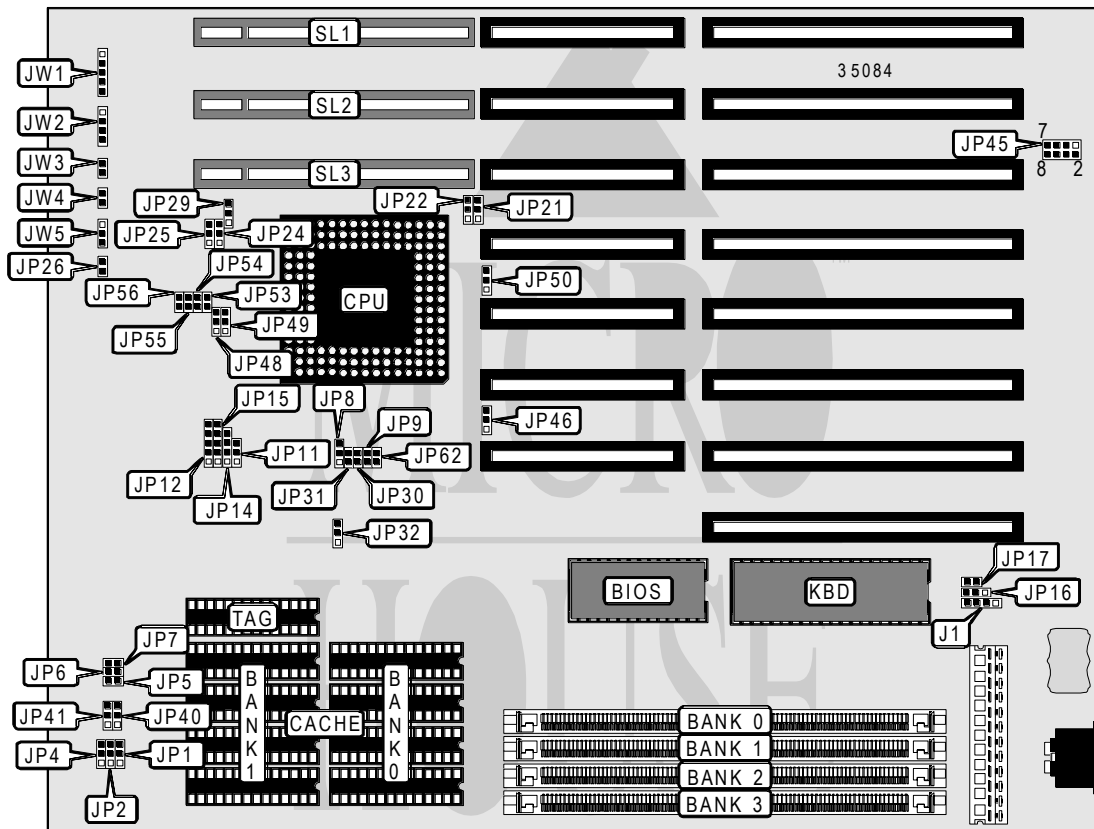


ABIT COMPUTER CORPORATION

AH4/AH4T (REV. 1.2)

Processor	80486SX/SL80486SX/CX486M7/80486DX/SL80486DX/CX486DX2/AM486DX2/80486DX2/SL80486DX2/AM486DX4/80486DX4
Processor Speed	20/25/33/40/50(internal)/66(internal)/75(internal)/100(internal)MHz
Chip Set	Unidentified
Max. Onboard DRAM	128MB
Cache	128/256/512KB
BIOS	Award
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (3), green PC connector
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	J1	Reset switch	JW3
Green PC connector	JP45 pins 7 - 8	Turbo LED	JW4
Power LED & keylock	JW1	Turbo switch	JW5
Speaker	JW2	32-bit VESA local bus slots	SL1 - SL3

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	JP16	pins 1 & 2 closed
CMOS memory clear	JP16	pins 2 & 3 closed
í Factory configured - do not alter	JP17	N/A
í Factory configured - do not alter	JP19	pins 1 & 2 closed
í Factory configured - do not alter	JP23	pins 1 & 2 closed
í Factory configured - do not alter	JP26	Open
í Factory configured - do not alter	JP30	N/A
í Factory configured - do not alter	JP31	N/A
í Factory configured - do not alter	JP42	Closed

Note: The locations of JP19, JP23 & JP42 are unidentified.

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) 512K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	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
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
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 4M x 36	NONE	NONE	NONE
17MB	(1) 256K x 36	(1) 4M x 36	NONE	NONE
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	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) 2M x 36	(1) 2M x 36	(1) 2M x 36	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
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
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

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
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) 16M x 36	NONE	NONE	NONE
64MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	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) 16M x 36	NONE
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
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) 16M 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
128MB	(1) 16M x 36	(1) 16M x 36	NONE	NONE
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M 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) 32K x 8

CACHE JUMPER CONFIGURATION					
Size	JP1	JP2	JP4	JP40	JP41
128KB	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
256KB	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
256KB	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
512KB	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3
512KB	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

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CPU TYPE CONFIGURATION					
Type	JP8	JP9	JP11	JP12	JP14
80486SX	2 & 3	Open	Open	3 & 4	2 & 3
SL80486SX	2 & 3	Open	Open	3 & 4	2 & 3
CX486M7	1 & 2	Closed	2 & 3	2 & 3	1 & 2, 3 & 4
80486DX	1 & 2	Closed	2 & 3	3 & 4	2 & 3
SL80486DX	1 & 2	Closed	2 & 3	3 & 4	2 & 3
CX486DX2	1 & 2	Closed	2 & 3	2 & 3	1 & 2, 3 & 4
AM486DX2	1 & 2	Closed	2 & 3	3 & 4	2 & 3
80486DX2	1 & 2	Closed	2 & 3	3 & 4	2 & 3
SL80486DX2	1 & 2	Closed	2 & 3	3 & 4	2 & 3
AM486DX4	1 & 2	Closed	2 & 3	3 & 4	2 & 3
80486DX4	1 & 2	Closed	2 & 3	3 & 4	2 & 3

Note: Pins designated should be in the closed position. SL80486DX/DX2 is only available on the AH4T mainboard

CPU TYPE CONFIGURATION					
Type	JP15	JP21	JP22	JP24	JP25
80486SX	4 & 5	2 & 3	1 & 2	Open	Open
SL80486SX	4 & 5	2 & 3	1 & 2	Open	Open
CX486M7	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
80486DX	4 & 5	2 & 3	1 & 2	Open	Open
SL80486DX	4 & 5	2 & 3	1 & 2	Open	Open
CX486DX2	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
AM486DX2	4 & 5	2 & 3	1 & 2	Open	Open
80486DX2	4 & 5	2 & 3	1 & 2	Open	Open
SL80486DX2	4 & 5	2 & 3	1 & 2	Open	Open
AM486DX4	4 & 5	2 & 3	1 & 2	Open	Open
80486DX4	4 & 5	2 & 3	1 & 2	Open	Open

Note: Pins designated should be in the closed position. SL80486DX/DX2 is only available on the AH4T mainboard

CPU TYPE CONFIGURATION						
Type	JP32	JP46	JP48	JP49	JP50	JP62
80486SX	1 & 2	2 & 3	2 & 3	Open	2 & 3	Open
SL80486SX	1 & 2	2 & 3	2 & 3	Open	2 & 3	Open
CX486M7	1 & 2	1 & 2	2 & 3	Open	2 & 3	Open
80486DX	1 & 2	2 & 3	2 & 3	Open	2 & 3	Open
SL80486DX	1 & 2	2 & 3	2 & 3	Open	2 & 3	Open
CX486DX2	1 & 2	1 & 2	1 & 2	Open	1 & 2	Open
AM486DX2	1 & 2	2 & 3	1 & 2	Open	1 & 2	Open
80486DX2	1 & 2	2 & 3	2 & 3	Open	2 & 3	Open
SL80486DX2	1 & 2	2 & 3	2 & 3	Open	2 & 3	Open
AM486DX4	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	Closed
80486DX4	Open	2 & 3	1 & 2	1 & 2	1 & 2	Open

Note: Pins designated should be in the closed position. SL80486DX/DX2 is only available on the AH4T mainboard

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CPU SPEED CONFIGURATION			
Speed	JP5	JP6	JP7
20MHz	Closed	Open	Closed
25MHz	Closed	Closed	Open
33MHz	Open	Closed	Closed
40MHz	Closed	Open	Open
50MHz	Closed	Closed	Open
66MHz	Open	Closed	Closed
75MHz	Closed	Closed	Open
100MHz	Open	Closed	Closed

CPU VOLTAGE CONFIGURATION				
Voltage	JP53	JP54	JP55	JP56
3.3v	Closed	Open	Open	Open
3.45v	Open	Closed	Open	Open
3.6v	Open	Open	Closed	Open
4v	Open	Open	Open	Closed

BUS SPEED CONFIGURATION	
CPU speed	JP29
<= 33MHz	pins 1 & 2 closed
> 33MHz	pins 2 & 3 closed