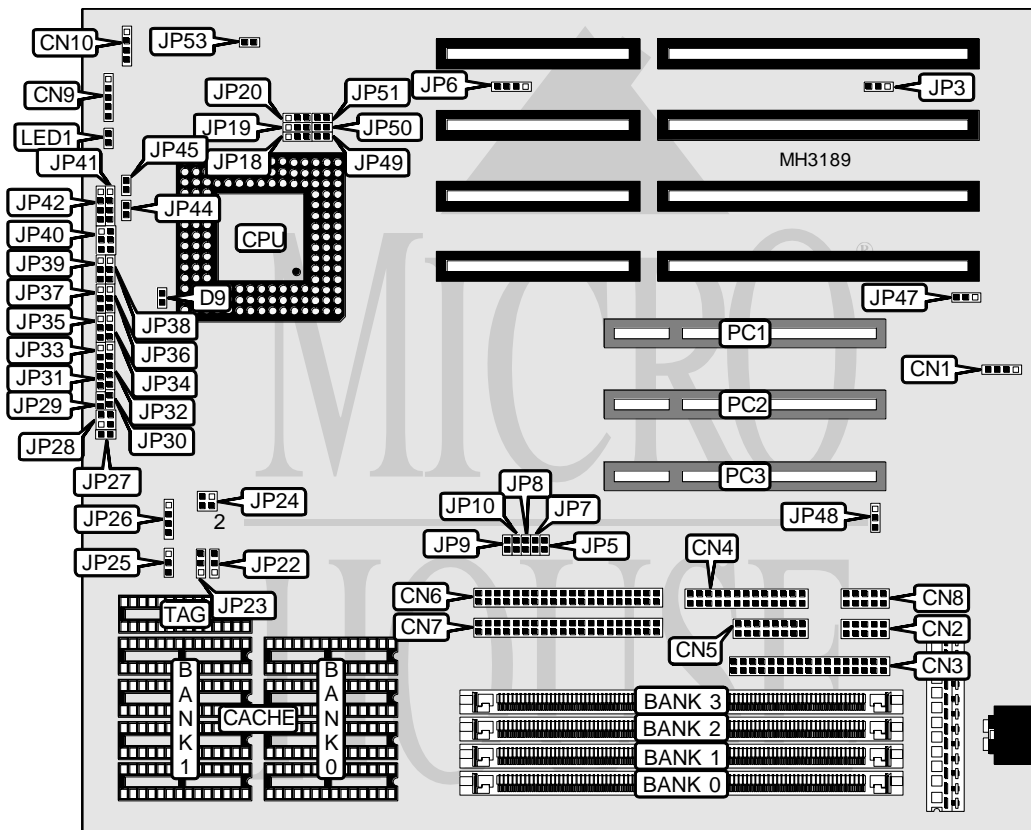


AQUARIUS SYSTEMS, INC.

M B - 4 D U P C

Processor	CX486S/80486SX/SL80486SX/CX486DX/AM486DX/UMCU5S/80486DX/ SL80486DX/CX486DX2/AM486DX2/80486DX2/SL80486DX2/AM486DX4/ 80486DX4/P24D/Pentium Overdrive/CXM1
Processor Speed	20/25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)/MHz
Chip Set	UMC
Max. Onboard DRAM	128MB
Cache	128/256/512KB
BIOS	Award
Dimensions	260mm x 220mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game port, green PC connector, IDE interfaces (2), parallel port, serial ports (2)
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	CN1	Power LED & keylock	CN9
Serial port 2	CN2	Speaker	CN10
Floppy drive interface	CN3	IDE interface LED	D9
Parallel port	CN4	Green PC connector	JP9
Game interface	CN5	Turbo switch	JP44
IDE interface 2	CN6	Reset switch	JP45
IDE interface 1	CN7	Turbo LED	LED1
Serial port 1	CN8	32-bit PCI slots	PC1 - PC3

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
Flash BIOS voltage select 12v	JP3	pins 1 & 2 closed
Flash BIOS voltage select 5v	JP3	pins 2 & 3 closed
CMOS memory normal operation	JP6	pins 1 & 2 closed
CMOS memory clear	JP6	pins 3 & 4 closed
í Factory configured - do not alter	JP28	Open
í Factory configured - do not alter	JP29	Open
í Factory configured - do not alter	JP31	Open
í Factory configured - do not alter	JP37	Open

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
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
8MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 2M x 36	NONE	NONE	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
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
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 8M 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 (A)	(4) 64K x 8	NONE	(1) 32K x 8
256KB (B)	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
512KB	(4) 128K x 8	NONE	(1) 32K x 8

CACHE JUMPER CONFIGURATION			
Size	JP24	JP25	JP26
128KB	Open	pins 1 & 2 closed	Open
256KB (A)	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
256KB (B)	pins 1 & 2 closed	pins 2 & 3 closed	Open
512KB	pins 1 & 2, 3 & 4 closed	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed

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CPU TYPE CONFIGURATION					
Type	JP10	JP27	JP30	JP32	JP34
CX486S	Open	Open	Open	1 & 2, 3 & 4	1 & 2
80486SX	Closed	Open	Open	Open	Open
SL80486SX	Open	Open	Open	2 & 3, 4 & 5	Open
CX486DX	Open	Open	3 & 4	1 & 2, 3 & 4	1 & 2
AM486DX	Closed	Open	3 & 4	Open	Open
UMC U5S	Closed	Open	1 & 2, 3 & 4	Open	Open
80486DX	Closed	Open	3 & 4	Open	Open
SL80486DX	Open	Open	3 & 4	2 & 3, 4 & 5	Open
CX486DX2	Open	Open	3 & 4	1 & 2, 3 & 4	1 & 2
AM486DX2	Closed	Open	3 & 4	Open	Open
80486DX2	Closed	Open	3 & 4	Open	Open
SL80486DX2	Open	Open	3 & 4	2 & 3, 4 & 5	Open
AM486DX4	Closed	Open	3 & 4	Open	Open
80486DX4	Open	Open	3 & 4	2 & 3, 4 & 5	Open
P24D	Open	Open	3 & 4	2 & 3, 4 & 5	Open
P24T	Open	Open	2 & 3	2 & 3, 4 & 5	2 & 3
CX M1	Open	Closed	3 & 4	2 & 3, 4 & 5	1 & 2
Note: Pins designated should be in the closed position.					

CPU TYPE CONFIGURATION (CON'T)				
Type	JP35	JP36	JP39	JP39
CX486S	2 & 3	2 & 3	1 & 2	1 & 2
80486SX	Open	Open	Open	Open
SL80486SX	Open	1 & 2	1 & 2	1 & 2
CX486DX	2 & 3	2 & 3	1 & 2	1 & 2
AM486DX	Open	Open	Open	Open
UMC U5S	Open	Open	2 & 3	2 & 3
80486DX	Open	Open	Open	Open
SL80486DX	Open	1 & 2	Open	Open
CX486DX2	2 & 3	2 & 3	1 & 2	1 & 2
AM486DX2	Open	Open	Open	Open
80486DX2	Open	Open	Open	Open
SL80486DX2	Open	1 & 2	Open	Open
AM486DX4	Open	Open	Open	Open
80486DX4	Open	1 & 2	Open	Open
P24D	Open	1 & 2	1 & 2	1 & 2
P24T	1 & 2	1 & 2	Open	Open
CX M1	2 & 3	1 & 2	1 & 2	1 & 2
Note: Pins designated should be in the closed position.				

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CPU TYPE CONFIGURATION				
Type	JP39	JP40	JP41	JP42
CX486S	1 & 2	3 & 4	1 & 2	2 & 3
80486SX	Open	1 & 2	Open	2 & 3
SL80486SX	1 & 2	3 & 4	Open	2 & 3
CX486DX	1 & 2	3 & 4	2 & 3	1 & 2, 3 & 4
AM486DX	Open	1 & 2	Open	1 & 2, 3 & 4
UMC U5S	2 & 3	1 & 2	3 & 4	2 & 3
80486DX	Open	1 & 2	Open	1 & 2, 3 & 4
SL80486DX	1 & 2	3 & 4	Open	1 & 2, 3 & 4
CX486DX2	1 & 2	3 & 4	2 & 3	1 & 2, 3 & 4
AM486DX2	Open	1 & 2	Open	1 & 2, 3 & 4
80486DX2	Open	1 & 2	Open	1 & 2, 3 & 4
SL80486DX2	1 & 2	3 & 4	Open	1 & 2, 3 & 4
AM486DX4	Open	1 & 2	Open	1 & 2, 3 & 4
80486DX4	1 & 2	3 & 4	Open	1 & 2, 3 & 4
P24D	1 & 2	3 & 4	Open	1 & 2, 3 & 4
P24T	1 & 2	3 & 4, 5 & 6	2 & 3	1 & 2, 3 & 4
CX M1	1 & 2	3 & 4	Open	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION		
Type	JP22	JP23
Cyrix	pins 2 & 3 closed	pins 1 & 2 closed
AMD	pins 1 & 2 closed	pins 2 & 3 closed
UMC	pins 1 & 2 closed	pins 2 & 3 closed
Intel	pins 1 & 2 closed	pins 1 & 2 closed

CPU SPEED CONFIGURATION			
Speed	JP5	JP7	JP8
20MHz	Open	Open	Open
25MHz	Open	Open	Closed
33MHz	Closed	Closed	Closed
40MHz	Open	Closed	Closed
50iMHz	Open	Open	Closed
50MHz	Closed	Open	Open
66iMHz	Closed	Closed	Closed
75iMHz	Open	Open	Closed
100iMHz	Closed	Closed	Closed

CPU SPEED CONFIGURATION (80486DX4 ONLY)	
Speed	JP33
2x	pins 2 & 3 closed
2.5x	pins 1 & 2 closed
3x	Open

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CPU CONFIGURATION	
Type	JP38
P24D write through	pins 1 & 2 closed
P24D write back	pins 2 & 3 closed
AMD CPU 2x	pins 1 & 2 closed
AMD CPU 3x	Open
Other CPU types	Open

CPU VOLTAGE CONFIGURATION							
Voltage	JP18	JP19	JP20	JP49	JP50	JP51	JP53
3.3v	1 & 2	1 & 2	1 & 2	Open	Open	Open	Closed
3.45v	1 & 2	1 & 2	1 & 2	Closed	Open	Open	Open
3.6v	1 & 2	1 & 2	1 & 2	Open	Closed	Open	Open
4v	1 & 2	1 & 2	1 & 2	Open	Open	Closed	Open
5v	2 & 3	2 & 3	2 & 3	Open	Open	Open	Open
Note: Pins designated should be in the closed position.							

DMA CONFIGURATION		
DMA	JP47	JP48
DMA 1	pins 1 & 2 closed	pins 1 & 2 closed
DMA 3	pins 2 & 3 closed	pins 2 & 3 closed