AQUARIUS SYSTEMS, INC.
M B - 5 A T R

Processor	CX M1/AM K5/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel
Max. Onboard DRAM	512MB
Cache	256/512KB
BIOS	AMI
Dimensions	330mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), VGA feature connector, VGA interface, VRM connector, cache slot
NPU Options	None
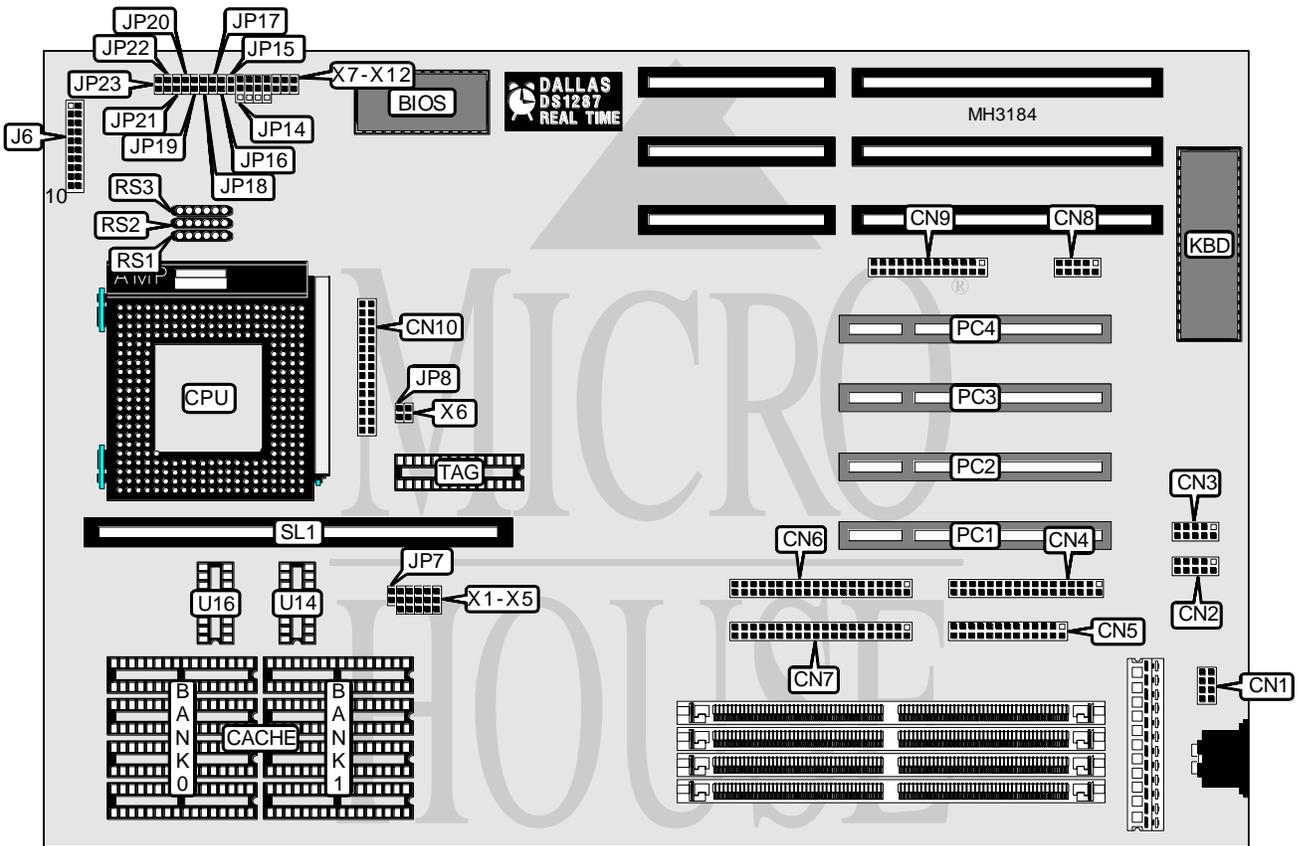
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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse interface	CN1	VRM connector	CN10
Serial port 1	CN2	Power LED & keylock	J6 pins 1 - 5
Serial port 2	CN3	Turbo LED	J6 pins 7 & 17
Floppy drive interface	CN4	Reset switch	J6 pins 8 & 18
Parallel port	CN5	Speaker	J6 pins 11 - 14
IDE interface 1	CN6	IDE interface LED	J6 pins 19 & 20
IDE interface 2	CN7	Cache slot	SL1
VGA interface	CN8	32-bit PCI slots	PC1 - PC4
VGA feature connector	CN9		
Note: CN9 & CN10 may not be present on all boards.			

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
	X1 - X12	N/A
í CMOS memory normal operation	JP15	Open
CMOS memory clear	JP15	Closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
6MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
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
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
18MB	(1) 256K x 36	(1) 256K x 36	(1) 2M x 36	(1) 2M x 36
20MB	(1) 512K x 36	(1) 512K x 36	(1) 2M x 36	(1) 2M x 36
24MB	(1) 1M x 36	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36
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
34MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
48MB	(1) 2M x 36	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M 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
66MB	(1) 256K x 36	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36
68MB	(1) 512K x 36	(1) 512K x 36	(1) 8M x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
80MB	(1) 2M x 36	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
96MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
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
130MB	(1) 256K x 36	(1) 256K x 36	(1) 16M x 36	(1) 16M x 36
132MB	(1) 512K x 36	(1) 512K x 36	(1) 16M x 36	(1) 16M x 36
136MB	(1) 1M x 36	(1) 1M x 36	(1) 16M x 36	(1) 16M x 36
144MB	(1) 2M x 36	(1) 2M x 36	(1) 16M x 36	(1) 16M x 36
160MB	(1) 4M x 36	(1) 4M x 36	(1) 16M x 36	(1) 16M x 36
192MB	(1) 8M x 36	(1) 8M x 36	(1) 16M x 36	(1) 16M x 36
256MB	(1) 16M x 36	(1) 16M x 36	(1) 16M x 36	(1) 16M x 36
256MB	(1) 32M x 36	(1) 32M x 36	NONE	NONE
264MB	(1) 1M x 36	(1) 1M x 36	(1) 32M x 36	(1) 32M x 36
272MB	(1) 2M x 36	(1) 2M x 36	(1) 32M x 36	(1) 32M x 36
288MB	(1) 4M x 36	(1) 4M x 36	(1) 32M x 36	(1) 32M x 36
320MB	(1) 8M x 36	(1) 8M x 36	(1) 32M x 36	(1) 32M x 36
384MB	(1) 16M x 36	(1) 16M x 36	(1) 32M x 36	(1) 32M x 36
512MB	(1) 32M x 36	(1) 32M x 36	(1) 32M x 36	(1) 32M x 36
Note: The exact location of the banks is unidentified.				

CACHE CONFIGURATION (ASYNCHRONOUS)			
Size	Bank 0	Bank 1	TAG
256KB	(4) 32K x 8	(4) 32K x 8	(1) 16K/32K/64K x 8
512KB	(4) 64K x 8	(4) 64K x 8	(1) 16K/32K/64K x 8

CACHE CONFIGURATION (SYNCHRONOUS)			
Size	U14	U16	SL1
256KB	(1) 32K x 32	(1) 32K x 32	Not installed
256KB	NONE	NONE	Installed
512KB	(1) 32K x 32	(1) 32K x 32	Installed
Note: If synchronous cache is used, remove all chips from Bank 0, Bank 1 and TAG.			

CACHE JUMPER CONFIGURATION	
Size	JP8
256KB	Open
512KB	Closed

CPU TYPE CONFIGURATION				
Type	JP7	RS1	RS2	RS3
CX M1	Closed	Not installed	Installed	Not installed
AM K5	Open	Not installed	Not installed	Installed
Pentium	Open	Installed	Not installed	Not installed
Note: JP7 is used only if U14 & U16 are installed.				

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CPU SPEED CONFIGURATION				
Speed	JP17	JP18	JP19	JP20
75MHz	Closed	Closed	Open	Open
90MHz	Open	Closed	Open	Open
100MHz	Closed	Open	Open	Open
120MHz	Open	Closed	Closed	Open
133MHz	Closed	Open	Closed	Open
150MHz	Open	Closed	Closed	Closed
166MHz	Closed	Open	Closed	Closed
180MHz	Open	Closed	Open	Closed
200MHz	Closed	Open	Open	Closed

CPU VOLTAGE CONFIGURATION			
Voltage	JP21	JP22	JP23
3.3v	Closed	Open	Open
í 3.4v	Open	Closed	Open
3.6v	Open	Open	Closed

VIDEO CONFIGURATION		
Setting	JP14	JP16
í Enabled	pins 2 & 3 closed	Closed
Disabled	pins 2 & 3 closed	Open