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G A - 5 8 6 A M

Processor	CXM1/Pentium
Processor Speed	75/90/100/120/133/150MHz
Chip Set	UMC
Max. Onboard DRAM	128MB
Cache	256/512/1024KB
BIOS	Award
Dimensions	280mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, serial ports (2)
NPU Options	None
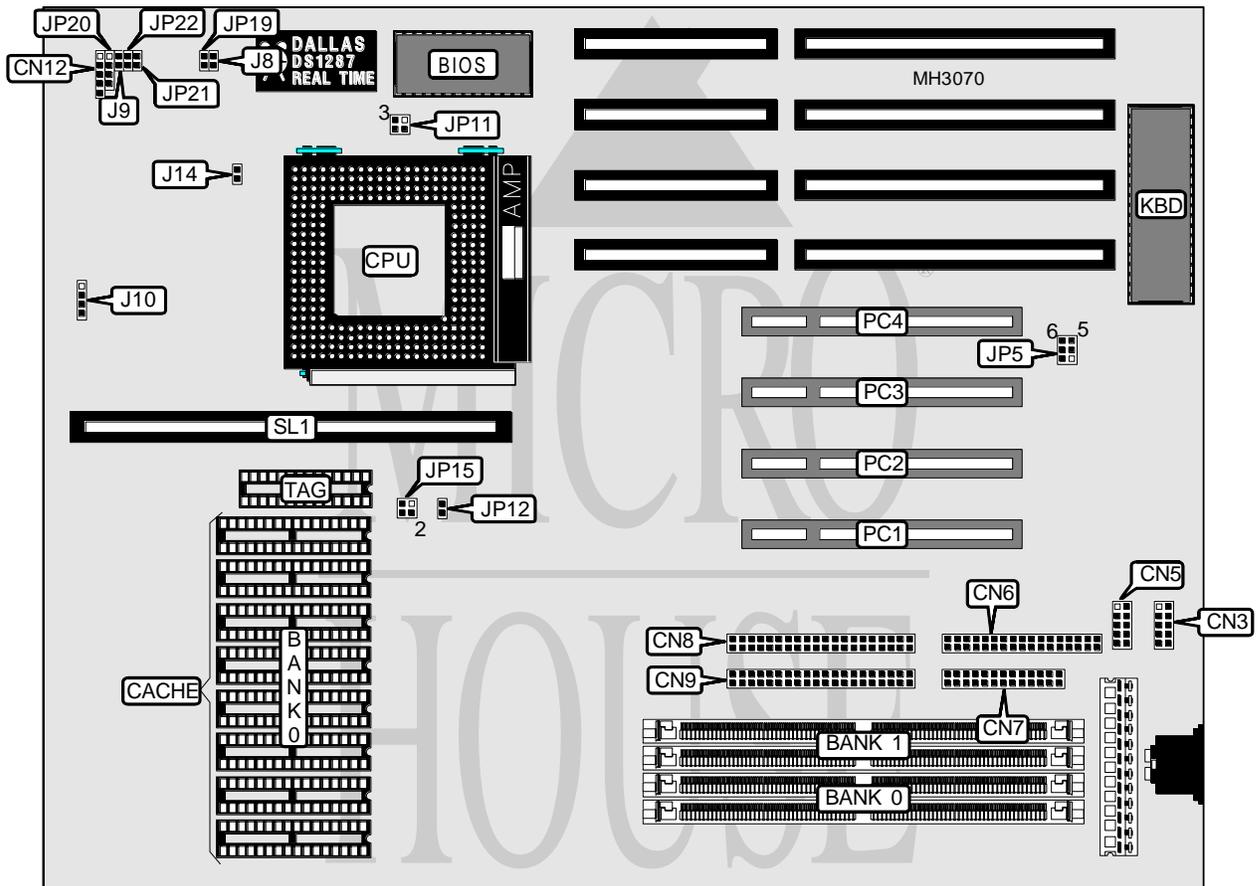
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CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	CN3	External battery	J10
Serial port 2	CN5	Chassis fan power	J14
Floppy drive interface	CN6	Green PC connector	JP19
Parallel port	CN7	Speaker	JP20
IDE interface 2	CN8	Reset switch	JP21
IDE interface 1	CN9	Turbo switch	JP22
Power LED & keylock	CN12	32-bit PCI slots	PC1 - PC4
IDE interface LED	J8	Cache slot	SL1
Green PC/turbo LED	J9		
Note: The location of pin 1 on CN6 - CN9 is unidentified.			

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	J10	pins 2 & 3 closed
CMOS memory clear	J10	Open
Battery type select external	J10	Closed

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
2MB	(2) 256K x 36	NONE
4MB	(2) 512K x 36	NONE
4MB	(2) 256K x 36	(2) 256K x 36
6MB	(2) 256K x 36	(2) 512K x 36
6MB	(2) 512K x 36	(2) 256K x 36
8MB	(2) 1M x 36	NONE
8MB	(2) 512K x 36	(2) 512K x 36
10MB	(2) 256K x 36	(2) 1M x 36
10MB	(2) 1M x 36	(2) 256K x 36
12MB	(2) 512K x 36	(2) 1M x 36
12MB	(2) 1M x 36	(2) 512K x 36
16MB	(2) 2M x 36	NONE
16MB	(2) 1M x 36	(2) 1M x 36
18MB	(2) 256K x 36	(2) 2M x 36
18MB	(2) 2M x 36	(2) 256K x 36
20MB	(2) 512K x 36	(2) 2M x 36
20MB	(2) 2M x 36	(2) 512K x 36
24MB	(2) 1M x 36	(2) 2M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	NONE
32MB	(2) 2M x 36	(2) 2M x 36
34MB	(2) 256K x 36	(2) 4M x 36
34MB	(2) 4M x 36	(2) 256K x 36

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DRAM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
36MB	(2) 512K x 36	(2) 4M x 36
36MB	(2) 4M x 36	(2) 512K x 36
40MB	(2) 1M x 36	(2) 4M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 2M x 36	(2) 4M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	NONE
64MB	(2) 4M x 36	(2) 4M x 36
66MB	(2) 256K x 36	(2) 8M x 36
66MB	(2) 8M x 36	(2) 256K x 36
68MB	(2) 512K x 36	(2) 8M x 36
68MB	(2) 8M x 36	(2) 512K x 36
72MB	(2) 1M x 36	(2) 8M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 2M x 36	(2) 8M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 4M x 36	(2) 8M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36

CACHE CONFIGURATION			
Size	Bank 0	TAG	SL1
256KB (A)	(8) 32K x 8	(1) 8K or (1) 32K x 8	Not installed
256KB (B)	NONE	(1) 8K or (1) 32K x 8	Installed
512KB (A)	(8) 64K x 8	(1) 16K or (1) 32K x 8	Not installed
512KB (B)	NONE	(1) 16K or (1) 32K x 8	Installed
1MB	(8) 128K x 8	(1) 32K x 8	Not installed

CACHE JUMPER CONFIGURATION	
Size	JP15
256KB (A)	Open
256KB (B)	Open
512KB (A)	pins 3 & 4 closed
512KB (B)	pins 3 & 4 closed
1MB	pins 1 & 2, 3 & 4 closed

CPU TYPE CONFIGURATION	
Type	JP12
CXM1	Closed
Pentium	Open

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CPU SPEED CONFIGURATION		
Speed	JP5	JP11
75MHz	pins 1 & 2 closed	Open
90MHz	pins 3 & 4 closed	Open
100MHz	pins 1 & 2, 5 & 6 closed	Open
120MHz	pins 3 & 4 closed	pins 1 & 2 closed
133MHz	pins 1 & 2, 5 & 6 closed	pins 1 & 2, 3 & 4 closed
150MHz	pins 3 & 4 closed	pins 1 & 2 closed