DASH COMPUTER, INC.
# GREEN FUNCTION VL-BUS (MV035)

Processor	AM486DX/80486DX/SL80486DX/CX486DX2/AM486DX2/(SL)AM486DX2/P24D/CX486DX4/ AM486DX4/(SL)AM486DX4/SL80486DX2/80486DX4/Pentium Overdrive/CX586/(SL)AM486DX5
Processor Speed	25/33/40/50(internal)/50/66(internal)/80(internal)100(internal)/ 120(internal)MHz
Chip Set	OPTI
Max. Onboard DRAM	128MB
Cache	64/128/256/512KB
BIOS	Award
Dimensions	250mm x 220mm
I/O Options	32-bit VESA local bus slots (3), green PC connector
NPU Options	None
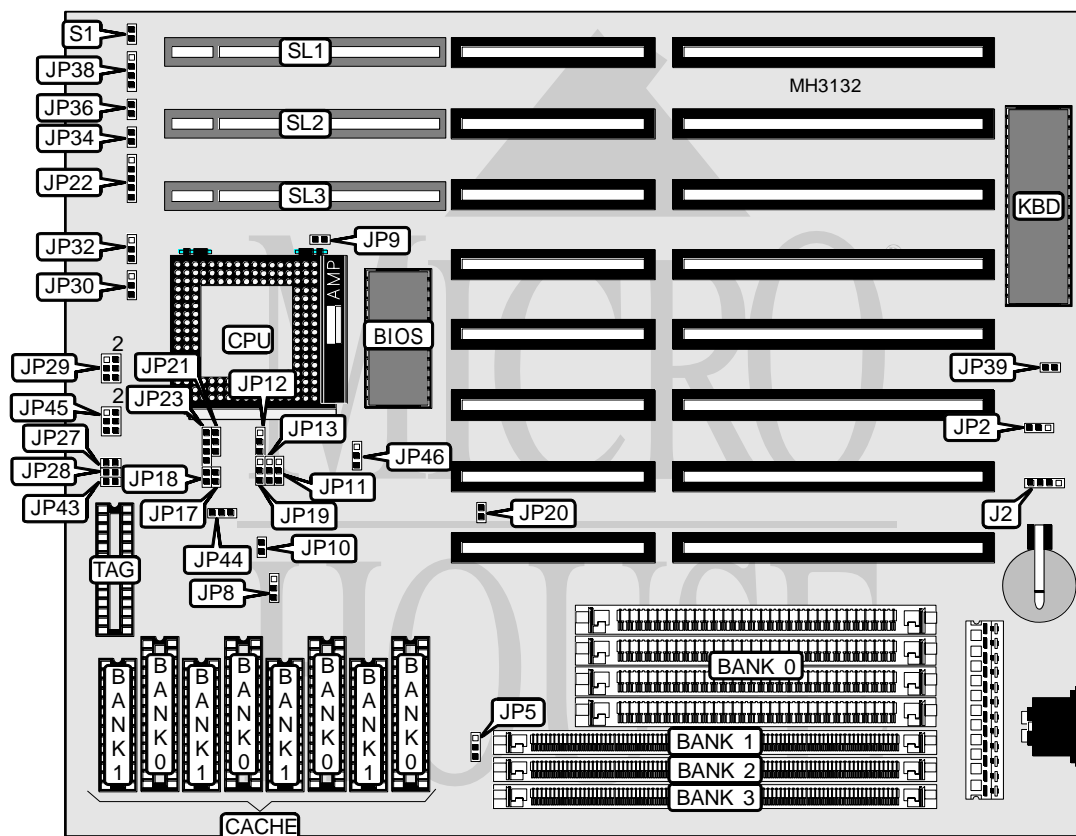
CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	J2	Speaker	JP38
Power LED & keylock	JP22	Green PC connector	JP39
Turbo LED	JP34	Reset switch	S1
Turbo switch	JP36	32-bit VESA local bus slots	SL1 - SL3

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	JP2	pins 2 & 3 closed
CMOS memory clear	JP2	pins 1 & 2 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
2MB	(4) 256K x 9	(1) 256K x 36	NONE	NONE
2MB	NONE	(1) 512K x 36	NONE	NONE
4MB	(4) 1M x 9	NONE	NONE	NONE
4MB	NONE	(1) 1M x 36	NONE	NONE
8MB	(4) 1M x 9	(1) 1M x 36	NONE	NONE
8MB	NONE	(1) 2M x 36	NONE	NONE
16MB	(4) 4M x 9	NONE	NONE	NONE
16MB	NONE	(1) 4M x 36	NONE	NONE
16MB	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	NONE	(1) 2M x 36	(1) 2M x 36	NONE
32MB	(4) 4M x 9	(1) 4M x 36	NONE	NONE
32MB	NONE	(1) 4M x 36	(1) 4M x 36	NONE
64MB	NONE	(1) 16M x 36	NONE	NONE
64MB	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
128MB	NONE	(1) 16M x 36	(1) 16M x 36	NONE

DRAM JUMPER CONFIGURATION	
Setting	JP5
72-pin SIMM set as Bank 0	pins 1 & 2 closed
30-pin SIMM set as Bank 0	pins 2 & 3 closed
Note: When using these settings, Bank 0 and Bank 1 are interchangeable.	

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8
128KB	(4) 32K x 8	NONE	(1) 8K x 8
256KB (A)	(4) 32K x 8	(4) 32K x 8	(1) 16K x 8
256KB (B)	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
256KB (C)	(4) 64K x 8	NONE	(1) 16K x 8
512KB	(4) 128K x 8	NONE	(1) 32K x 8

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CACHE JUMPER CONFIGURATION					
Size	JP8	JP27	JP28	JP43	JP44
64KB	2 & 3	Open	Open	Open	1 & 2
128KB	1 & 2	Closed	Open	Open	1 & 2
256KB (A)	2 & 3	Closed	Closed	Open	2 & 3
256KB (B)	2 & 3	Closed	Closed	Open	1 & 2
256KB (C)	1 & 2	Closed	Closed	Closed	2 & 3
512KB	1 & 2	Closed	Closed	Closed	1 & 2
Note: Pins designated should be in the closed position.					

CPU TYPE CONFIGURATION				
Type	JP9	JP10	JP11	JP12
AM486DX	Open	Open	pins 1 & 2 closed	Open
80486DX	Open	Open	pins 1 & 2 closed	Open
SL80486DX	Open	Closed	pins 1 & 2 closed	pins 1 & 2 closed
CX486DX2	Closed	Closed	pins 2 & 3 closed	pins 2 & 3 closed
AM486DX2 (3.45v)	Open	Open	pins 1 & 2 closed	Open
SL AM486DX2	Open	Closed	pins 2 & 3 closed	pins 1 & 2 closed
SL80486DX2	Open	Closed	pins 1 & 2 closed	pins 1 & 2 closed
P24D	Open	Closed	pins 2 & 3 closed	pins 1 & 2 closed
CX486DX4	Closed	Closed	pins 2 & 3 closed	pins 2 & 3 closed
AM486DX4 (3.45v)	Open	Open	pins 1 & 2 closed	Open
SL AM486DX4	Open	Closed	pins 2 & 3 closed	pins 1 & 2 closed
80486DX4	Open	Closed	pins 1 & 2 closed	pins 1 & 2 closed
Pentium Overdrive	Open	Closed	pins 2 & 3 closed	pins 1 & 2 closed
CX586	Closed	Closed	pins 2 & 3 closed	pins 2 & 3 closed
SL AM486DX5	Open	Closed	pins 2 & 3 closed	pins 1 & 2 closed

CPU TYPE CONFIGURATION (CON'T)				
Type	JP13	JP19	JP20	JP21
AM486DX	pins 1 & 2 closed	Open	Open	Open
80486DX	pins 1 & 2 closed	Open	Open	Open
SL80486DX	pins 1 & 2 closed	Open	Closed	pins 1 & 2 closed
CX486DX2	Open	Open	Closed	pins 2 & 3 closed
AM486DX2 (3.45v)	pins 1 & 2 closed	pins 2 & 3 closed	Open	Open
SL AM486DX2	pins 1 & 2 closed	pins 1 & 2 closed	Closed	pins 1 & 2 closed
SL80486DX2	pins 1 & 2 closed	Open	Closed	pins 1 & 2 closed
P24D	pins 1 & 2 closed	pins 1 & 2 closed	Closed	pins 1 & 2 closed
CX486DX4	Open	Open	Closed	pins 2 & 3 closed
AM486DX4 (3.45v)	pins 1 & 2 closed	pins 1 & 2 closed	Open	Open
SL AM486DX4	pins 1 & 2 closed	pins 1 & 2 closed	Closed	pins 1 & 2 closed
80486DX4	pins 1 & 2 closed	Open	Closed	pins 1 & 2 closed
Pentium Overdrive	pins 1 & 2 closed	Open	Closed	pins 1 & 2 closed
CX586	Open	pins 1 & 2 closed	Closed	pins 1 & 2 closed
SL AM486DX5	pins 1 & 2 closed	pins 1 & 2 closed	Closed	pins 1 & 2 closed

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CPU TYPE CONFIGURATION (CON'T)				
Type	JP23	JP30	JP32	JP46
AM486DX	1 & 2, 3 & 4	Open	Open	Open
80486DX	1 & 2, 3 & 4	Open	Open	Open
SL80486DX	1 & 2, 3 & 4	Open	Open	1 & 2
CX486DX2	1 & 2, 3 & 4	Open	1 & 2	2 & 3
AM486DX2 (3.45v)	1 & 2, 3 & 4	Open	Open	Open
SL AM486DX2	1 & 2, 3 & 4	1 & 2	2 & 3	1 & 2
SL80486DX2	1 & 2, 3 & 4	Open	Open	1 & 2
P24D	1 & 2, 3 & 4	Open	2 & 3	1 & 2
CX486DX4	1 & 2, 3 & 4	Open	1 & 2	2 & 3
AM486DX4 (3.45v)	1 & 2, 3 & 4	Open	Open	Open
SL AM486DX4	1 & 2, 3 & 4	Open	2 & 3	1 & 2
80486DX4	1 & 2, 3 & 4	Open	Open	1 & 2
Pentium Overdrive	1 & 2, 3 & 4	Open	2 & 3	1 & 2
CX586	1 & 2, 3 & 4	Open	2 & 3	2 & 3
SL AM486DX5	1 & 2, 3 & 4	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.				

CPU SPEED CONFIGURATION		
Speed	JP17	JP18
25MHz	Open	Open
33MHz	Closed	Closed
40MHz	Closed	Open
50iMHz	Open	Open
50MHz	Open	Closed
66iMHz	Closed	Closed
80iMHz	Closed	Open
100iMHz	Closed	Closed
120iMHz	Closed	Open
133iMHz	Closed	Closed

CPU VOLTAGE CONFIGURATION	
Voltage	JP29
Low voltage	pins 3 & 5, 4 & 6 closed
5v	pins 1 & 3, 2 & 4 closed
Note: If a low voltage is selected, see table below. If 5v is used, JP45 is left open.	

CPU VOLTAGE CONFIGURATION	
Voltage	JP45
3.3v	pins 1 & 2 closed
3.45v	pins 3 & 4 closed
4v	pins 5 & 6 closed