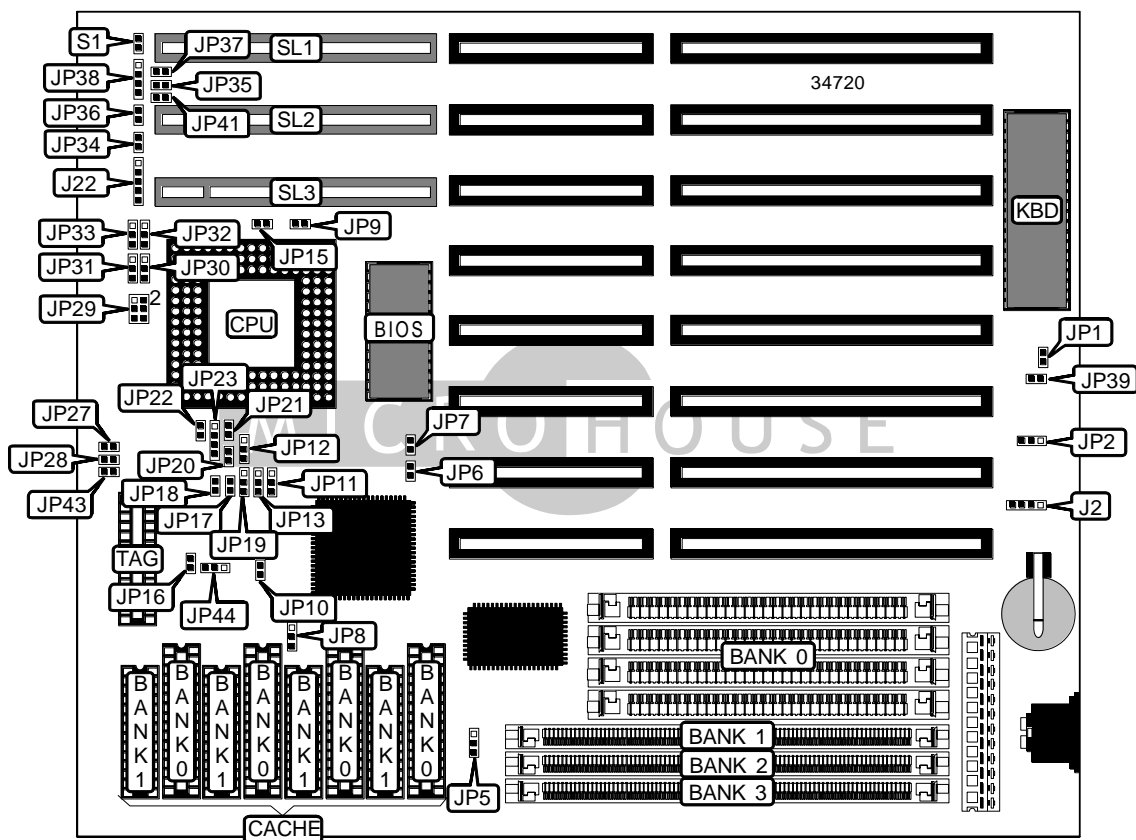


# DASH COMPUTER, INC.

## 486 VL3 CACHE (MV035E)

<b>Device Type</b>	Mainboard
<b>Processor</b>	80486SX/80487SX/80486DX/CX M6/CX M7/P24C/P24D/P24T
<b>Processor Speed</b>	25/33/40/50(internal)/50/66(internal)/100(internal)MHz
<b>Chip Set</b>	OPTI
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	128MB
<b>Maximum Video Memory</b>	None
<b>Cache</b>	64/128/256/512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	250mm x 220mm
<b>I/O Options</b>	32-bit VESA local bus slots (3), green PC connector
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	J2	Speaker	JP38
Power LED & keylock	J22	Green PC connector	JP39
Green PC connector	JP6	Green PC LED	JP41
Turbo LED	JP34	Reset switch	S1
Turbo switch	JP36	32-bit VESA local bus slots	SL1 – SL3

USER CONFIGURABLE SETTINGS		
Function	Label	Position
Monitor type select color	JP1	Closed
Monitor type select monochrome	JP1	Open
í CMOS memory normal operation	JP2	Pins 2 & 3 closed
CMOS memory clear	JP2	Pins 1 & 2 closed
í Factory configured - do not alter	JP7	Closed
í Factory configured - do not alter	JP31	Pins 2 & 3 closed

DRAM CONFIGURATION 1				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(4) 256K x 9	None	None	None
2MB	(4) 256K x 9	(1) 256K x 36	None	None
4MB	(4) 1M x 9	None	None	None
4MB	(4) 256K x 9	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
5MB	(4) 256K x 9	(1) 1M x 36	None	None
6MB	(4) 256K x 9	(1) 256K x 36	(1) 1M x 36	None
8MB	(4) 1M x 9	(1) 1M x 36	None	None
8MB	(4) 1M x 9	None	(1) 1M x 36	None
10MB	(4) 256K x 9	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
12MB	(4) 1M x 9	None	(1) 1M x 36	(1) 1M x 36
16MB	(4) 4M x 9	None	None	None
16MB	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
17MB	(4) 256K x 9	(1) 4M x 36	None	None
20MB	(4) 1M x 9	(1) 4M x 36	None	None
20MB	(4) 1M x 9	None	(1) 4M x 36	None
32MB	(4) 4M x 9	(1) 4M x 36	None	None
64MB	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
80MB	(4) 4M x 9	(1) 16M x 36	None	None
96MB	(4) 4M x 9	(1) 16M x 36	(1) 4M x 36	None
112MB	(4) 4M x 9	(1) 16M x 36	(1) 4M x 36	(1) 4M x 36

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DRAM CONFIGURATION 2				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	None	(1) 256K x 36	None	None
4MB	None	(1) 1M x 36	None	None
8MB	None	(1) 1M x 36	(1) 1M x 36	None
12MB	None	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	None	(1) 4M x 36	None	None
20MB	None	(1) 1M x 36	(1) 4M x 36	None
32MB	None	(1) 4M x 36	(1) 4M x 36	None
64MB	None	(1) 16M x 36	None	None
80MB	None	(1) 16M x 36	(1) 4M x 36	None
96MB	None	(1) 16M x 36	(1) 4M x 36	(1) 4M x 36
72MB	None	(1) 16M x 36	(1) 1M x 36	(1) 1M x 36
128MB	None	(1) 16M x 36	(1) 16M x 36	None

DRAM JUMPER CONFIGURATION	
Configuration	JP5
1	Pins 2 & 3 closed
2	Pins 1 & 2 closed

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)	(2) 64K x 32	None	(1) 32K x 8
512KB	(4) 128K x 8	None	(1) 32K x 8

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
512KB	1 & 2	Closed	Closed	Closed	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION			
Speed	JP16	JP17	JP18
25MHz	Open	Open	Open
33MHz	Open	Closed	Closed
40MHz	Open	Closed	Open
50iMHz	Open	Open	Open
50MHz	Open	Open	Closed
66iMHz	Open	Closed	Closed
100iMHz	Open	Closed	Closed

CPU TYPE SELECTION							
Type	JP9	JP11	JP12	JP13	JP15	JP23	JP32
80486SX	Open	1 & 2	Open	Open	Open	2 & 3	Open
80487SX	Open	1 & 2	Open	2 & 3	Open	1 & 2, 3 & 4	Open
80486DX	Open	1 & 2	Open	1 & 2	Open	1 & 2, 3 & 4	Open
CX M6	Closed	2 & 3	2 & 3	Open	Open	2 & 3	1 & 2
CX M7	Closed	2 & 3	2 & 3	1 & 2	Open	1 & 2, 3 & 4	Open
P24C	Open	1 & 2	Open	1 & 2	Open	1 & 2, 3 & 4	Open
P24D	Open	2 & 3	Open	1 & 2	Closed	1 & 2, 3 & 4	2 & 3
P24T	Open	2 & 3	Open	1 & 2	Open	1 & 2, 3 & 4	Open

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION (SL/NON-SL CPU)				
Type	JP10	JP12	JP20	JP21
SL-enhanced	Open	Open	Open	Open
Non SL-enhanced	Closed	Pins 1 & 2 closed	Closed	Closed

CPU TYPE SELECTION (CX M7)	
Type	JP22
All CPU types	Open
CX M7 2x	Closed

CPU TYPE SELECTION (P24D ONLY)	
Type	JP19
Write through	Pins 2 & 3 closed
Write back	Pins 1 & 2 closed

CPU MULTIPLIER SELECTION (80486DX4 ONLY)	
Multiplier	JP30
2x	Pins 1 & 2 closed
2.5x	Pins 2 & 3 closed
3x	Open

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CPU VOLTAGE SELECTION	
Voltage	JP29
3.45v	Pins 3 & 5, 4 & 6 closed
5v	Pins 1 & 3, 2 & 4 closed

VL BUS WAIT STATE SELECTION	
Setting	JP35
0	Open
1	Closed

VL BUS SPEED SELECTION		
Speed	JP33	JP37
<= 33MHz	Pins 2 & 3 closed	Open
>33 MHz	Pins 1 & 2 closed	Closed