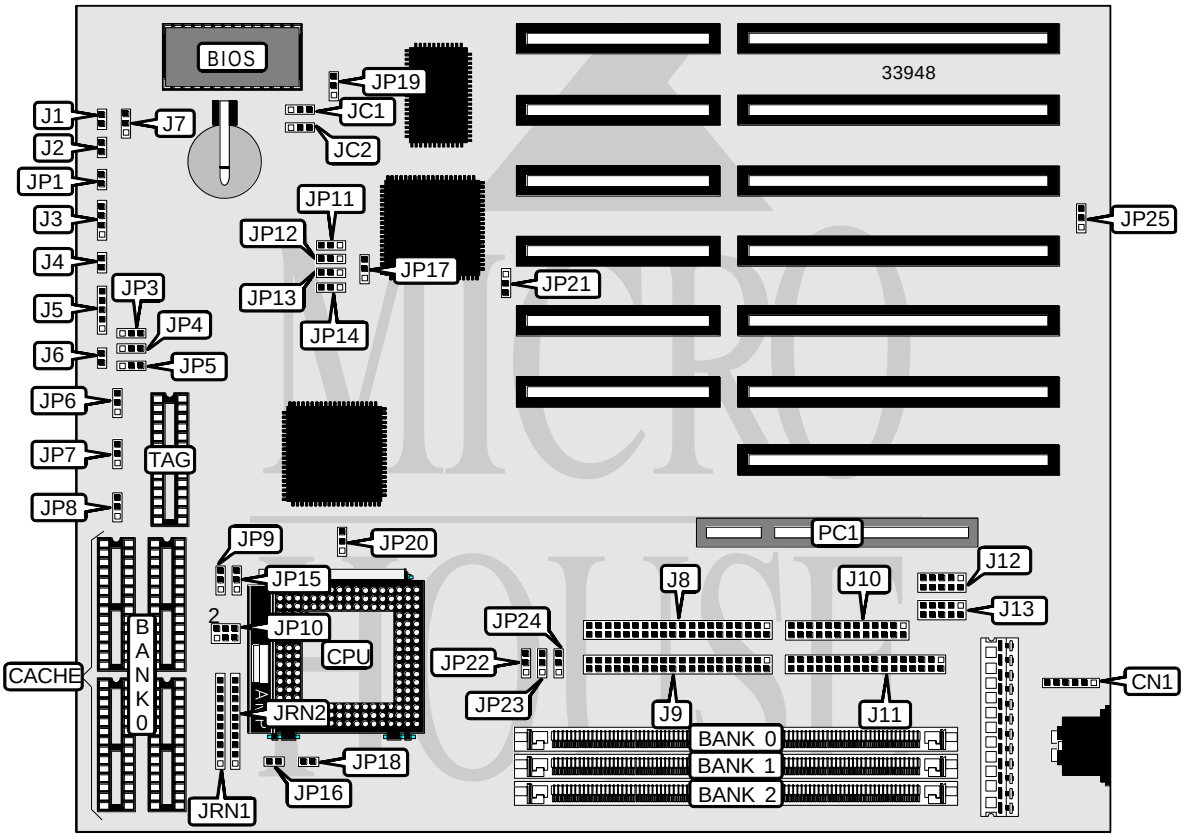
DIAMOND FLOWER, INC.
G486VPC (REV. BA0+)

Processor	CX486DX2/AM486DX2/SGS486DX2/80486DX2/CX486DX4/ AM486DX4/SGS486DX4/80486DX4/ODP80486DX4/P24T/AM5X86/ CX5X86/SGS5X86
Processor Speed	25/33/40/50(internal)/66(internal)/75(internal)/80(internal)/ 100(internal)/120(internal)/133(internal)/150(internal)/166(internal)MHz
Chip Set	VIA
Video Chip Set	None
Maximum Onboard Memory	128MB
Maximum Video Memory	None
Cache	128/256KB
BIOS	Award
Dimensions	250mm x 220mm
I/O Options	32-bit PCI slot, floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2)
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
PS/2 mouse interface	CN1	IDE interface 1	J8
Turbo LED	J1	IDE interface 2	J9
Green PC LED	J2	Parallel port	J10
Speaker	J3	Floppy drive interface	J11
Reset switch	J4	Serial port 1	J12
Power LED & keylock	J5	Serial port 2	J13
IDE interface LED	J6	32-bit PCI slot	PC1
Turbo switch	J7		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
On board battery disabled	JC1	Pins 2 & 3 closed
On board battery enabled	JC1	Pins 1 & 2 closed
? CMOS memory normal operation	JC2	Pins 1 & 2 closed
CMOS memory clear	JC2	Pins 2 & 3 closed
? Factory configured - do not alter	JP1	Open
? Factory configured - do not alter	JP11	Pins 1 & 2 closed
? Factory configured - do not alter	JP12	Pins 1 & 2 closed
? Factory configured - do not alter	JP14	Pins 1 & 2 closed
? Factory configured - do not alter	JP17	Pins 1 & 2 closed
Flash BIOS voltage select 12v	JP19	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP19	Pins 2 & 3 closed
? Factory configured - do not alter	JP24	Open
? Factory configured - do not alter	JP25	Pins 1 & 2 closed

DRAM CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**Bank 2**
1MB	(1) 256K x 32	None	None
2MB	(1) 256K x 32	(1) 256K x 32	None
2MB	(1) 512K x 32	None	None
3MB	(1) 256K x 32	(1) 256K x 32	(1) 256K x 32
3MB	(1) 512K x 32	None	(1) 256K x 32
4MB	(1) 1M x 32	None	None
4MB	(1) 512K x 32	None	(1) 512K x 32
5MB	(1) 1M x 32	(1) 256K x 32	None
6MB	(1) 1M x 32	(1) 256K x 32	(1) 256K x 32
6MB	(1) 512K x 32	None	(1) 1M x 32
8MB	(1) 1M x 32	(1) 1M x 32	None
8MB	(1) 2M x 32	None	None
9MB	(1) 1M x 32	(1) 1M x 32	(1) 256K x 32
9MB	(1) 2M x 32	None	(1) 256K x 32
12MB	(1) 1M x 32	(1) 1M x 32	(1) 1M x 32

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DRAM CONFIGURATION (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
12MB	(1) 2M x 32	None	(1) 1M x 32
16MB	(1) 4M x 32	None	None
16MB	(1) 2M x 32	None	(1) 2M x 32
17MB	(1) 4M x 32	(1) 256K x 32	None
18MB	(1) 4M x 32	(1) 256K x 32	(1) 256K x 32
18MB	(1) 512K x 32	None	(1) 4M x 32
20MB	(1) 4M x 32	(1) 1M x 32	None
21MB	(1) 4M x 32	(1) 1M x 32	(1) 256K x 32
24MB	(1) 4M x 32	(1) 1M x 32	(1) 1M x 32
24MB	(1) 2M x 32	None	(1) 4M x 32
32MB	(1) 4M x 32	(1) 4M x 32	None
32MB	(1) 4M x 32	None	(1) 4M x 32
32MB	(1) 8M x 32	None	None
33MB	(1) 4M x 32	(1) 4M x 32	(1) 256K x 32
33MB	(1) 8M x 32	None	(1) 256K x 32
34MB	(1) 8M x 32	None	(1) 512K x 32
36MB	(1) 4M x 32	(1) 4M x 32	(1) 1M x 32
36MB	(1) 8M x 32	None	(1) 1M x 32
40MB	(1) 8M x 32	None	(1) 2M x 32
48MB	(1) 4M x 32	(1) 4M x 32	(1) 4M x 32
48MB	(1) 8M x 32	None	(1) 4M x 32
64MB	(1) 16M x 32	None	None
64MB	(1) 8M x 32	None	(1) 8M x 32
65MB	(1) 16M x 32	(1) 256K x 32	None
68MB	(1) 16M x 32	(1) 1M x 32	None
69MB	(1) 16M x 32	(1) 1M x 32	(1) 256K x 32
72MB	(1) 16M x 32	(1) 1M x 32	(1) 1M x 32
72MB	(1) 2M x 32	None	(1) 16M x 32
80MB	(1) 16M x 32	(1) 4M x 32	None
81MB	(1) 16M x 32	(1) 4M x 32	(1) 256K x 32
84MB	(1) 16M x 32	(1) 4M x 32	(1) 1M x 32
96MB	(1) 8M x 32	None	(1) 16M x 32
128MB	(1) 16M x 32	(1) 16M x 32	None
128MB	(1) 16M x 32	None	(1) 16M x 32

CACHE CONFIGURATION		
Size	**Bank 0**	**TAG**
128KB	(4) 32K x 8	(1) 32K x 8
256KB	(4) 64K x 8	(1) 32K x 8

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CACHE JUMPER CONFIGURATION			
Size	**JP6**	**JP7**	**JP8**
128KB	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
256KB	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed

CPU SPEED SELECTION			
Speed	**JP3**	**JP4**	**JP5**
25MHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
33MHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
40MHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
50iMHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
66iMHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
75iMHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
80iMHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
100iMHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
120iMHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
133iMHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
150iMHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
166iMHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU TYPE SELECTION		
Type	**JRN1**	**JRN2**
CX486DX2	Open	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
AM486DX2 NV8T	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
AM486DX2 SV8B	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
SGS486DX2	Open	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
80486DX2	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
CX486DX4 (Cyrix pin out)	Open	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
CX486DX4 (Intel pin out)	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
AM486DX4 SV8B	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
AM486DX4 NV8T	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
SGS486DX4 (Cyrix pin out)	Open	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
SGS486DX4 (Intel pin out)	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
80486DX4	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
ODP80486DX4	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
P24T	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
AM5X86	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
CX5X86	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
SGS5X86	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open
Note: Pins designated should be in the closed position.		

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CPU TYPE SELECTION (CON'T)					
Type	**JP16**	**JP18**	**JP20**	**JP22**	**JP23**
CX486DX2	Open	Open	1 & 2	1 & 2	1 & 2
AM486DX2 NV8T	Open	Closed	1 & 2	1 & 2	2 & 3
AM486DX2 SV8B	Closed	Open	1 & 2	1 & 2	2 & 3
SGS486DX2	Open	Open	1 & 2	1 & 2	1 & 2
80486DX2	Open	Open	1 & 2	1 & 2	Open
CX486DX4 (Cyrix pin out)	Open	Open	1 & 2	1 & 2	1 & 2
CX486DX4 (Intel pin out)	Open	Open	1 & 2	1 & 2	1 & 2
AM486DX4 SV8B	Open	Open	1 & 2	1 & 2	2 & 3
AM486DX4 NV8T	Open	Open	1 & 2	1 & 2	2 & 3
SGS486DX4 (Cyrix pin out)	Open	Open	1 & 2	1 & 2	1 & 2
SGS486DX4 (Intel pin out)	Open	Open	1 & 2	1 & 2	1 & 2
80486DX4	Open	Open	1 & 2	1 & 2	2 & 3
ODP80486DX4	Open	Open	1 & 2	2 & 3	2 & 3
P24T	Open	Open	1 & 2	2 & 3	2 & 3
AM5X86	Closed	Open	1 & 2	1 & 2	2 & 3
CX5X86	Open	Open	1 & 2	1 & 2	1 & 2
SGS5X86	Open	Open	1 & 2	1 & 2	1 & 2
Note: Pins designated should be in the closed position.					

CPU VOLTAGE SELECTION			
Voltage	**JP9**	**JP10**	**JP15**
3.45v	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
3.6v	Pins 2 & 3 closed	Pins 3 & 4 closed	Pins 2 & 3 closed
4v	Pins 2 & 3 closed	Pins 5 & 6 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed

PCI SPEED SELECTION		
Speed	**JP13**	**JP21**
í < = 33MHz	Pins 1 & 2 closed	Pins 1 & 2 closed
= 40MHz	Pins 2 & 3 closed	Pins 2 & 3 closed