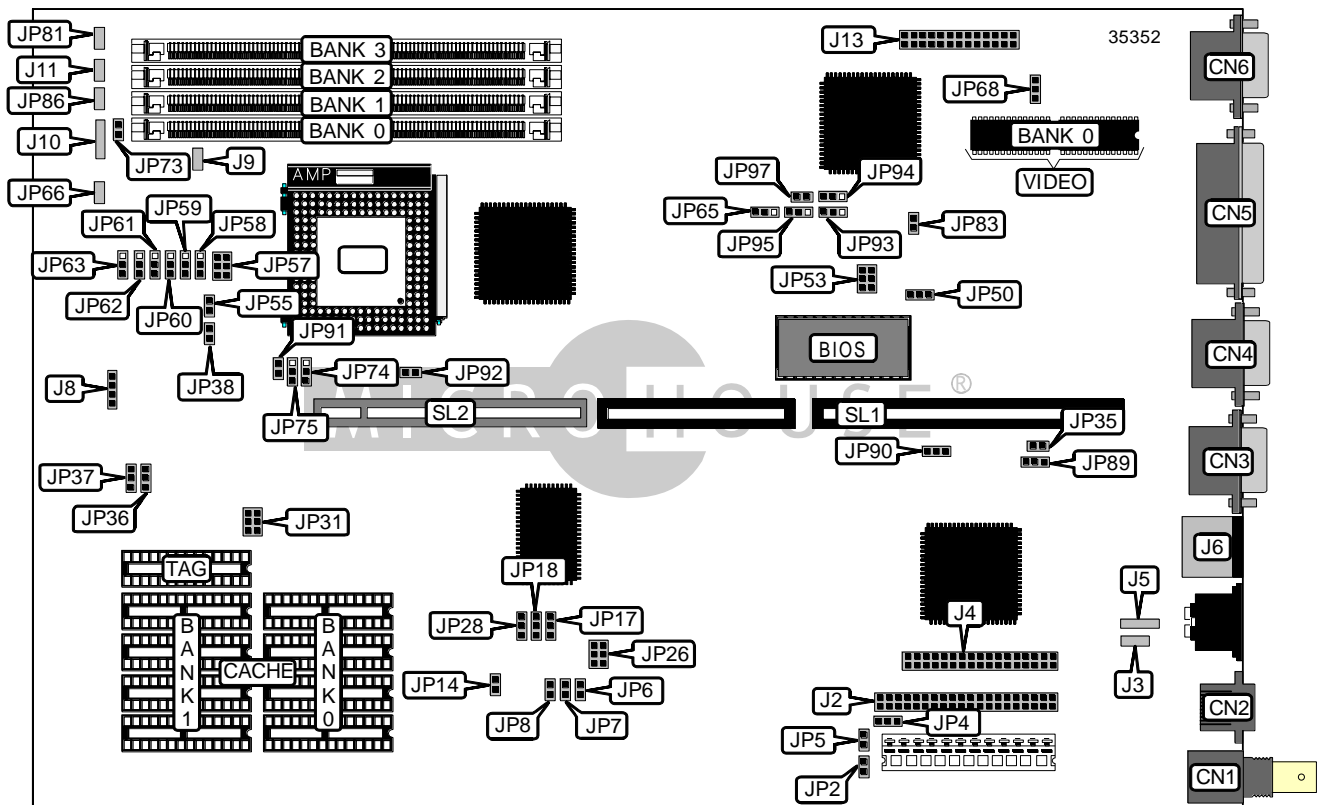


DIAMOND FLOWER, INC.

G486ESV AIO (REV. 0+)

Device Type	Mainboard
Processor	80486SX/80486WB/CX486DX/SGS486DX/AM486DX/UMCU5/ 80486DX/CX486DX2/SGS486DX2/AM486DX2/80486DX2/AM486DX4/80486DX4 /P24T
Processor Speed	25/33/40/50(internal)/63(internal)/66(internal)/75(internal)/ 80(internal)/83(internal)/100(internal)MHz
Chip Set	Unidentified
Video Chip Set	S3
Maximum Onboard Memory	64MB
Maximum Video Memory	2MB
Cache	128/256/512/1024KB
BIOS	Award
Dimensions	330mm x 228mm
I/O Options	32-bit VESA local bus slot, Ethernet BNC connector, Ethernet RJ-45 connector, Ethernet AUI connector, floppy drive interface, IDE interface, parallel port, PS/2 mouse port, serial ports (2), VGA feature connector, VGA port, riser slot
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Ethernet BNC connector	CN1	Floppy drive interface	J4
Ethernet RJ-45 connector	CN2	AUI connector	J5
Serial port 1	CN3	PS/2 mouse port	J6
Serial port 2	CN4	Speaker	J8
Parallel port	CN5	VGA feature connector	J13
VGA port	CN6	Riser slot	SL1
IDE interface	J2	32-bit VESA local bus slots	SL2
Extra LAN connector	J3		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
1 Speaker type select internal	J8	Pins 1 & 2 closed
Speaker type select external	J8	Pins 1 – 4 Closed
1 Factory configured - do not alter	J9	Unidentified
1 Factory configured - do not alter	J10	Unidentified
1 Factory configured - do not alter	J11	Unidentified
1 Factory configured - do not alter	JP2	Open
1 Monitor type select color	JP4	Pins 1 & 2 closed
Monitor type select monochrome	JP4	Pins 2 & 3 closed
1 CMOS memory normal operation	JP5	Open
CMOS memory clear	JP5	Closed
1 DMA sample rate select CPU speed	JP14	Closed
DMA sample rate select 28.636MHz	JP14	Open
1 LAN buffer size select 16K	JP35	Open
LAN buffer size select 64K	JP35	Closed
1 Flash BIOS voltage select 5v	JP50	Pins 1 & 2 closed
Flash BIOS voltage select 12v	JP50	Pins 2 & 3 closed
1 Factory configured - do not alter	JP66	Unidentified
1 On board video enabled	JP68	Pins 2 & 3 closed
On board video disabled	JP68	Pins 1 & 2 closed
1 Factory configured - do not alter	JP81	Unidentified
1 CPU type select Intel-SL/Cyrix-SL	JP83	Open
CPU type select all others	JP83	Closed
1 Factory configured - do not alter	JP86	Unidentified
1 LAN normal operation	JP89	Pins 2 & 3 closed
LAN clear	JP89	Pins 1 & 2 closed
1 On board LAN enabled	JP90	Pins 1 & 2 closed
On board LAN disabled	JP90	Pins 2 & 3 closed

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SIMM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	None	None	None
2MB	(1) 512K x 36	None	None	None
2MB	(1) 256K x 36	(1) 256K x 36	None	None
3MB	(1) 512K x 36	(1) 256K x 36	None	None
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	None
3MB	(1) 256K x 36	(1) 512K x 36	None	None
4MB	(1) 1M x 36	None	None	None
4MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	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
5MB	(1) 1M x 36	(1) 256K x 36	None	None
5MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	None
6MB	(1) 1M x 36	(1) 512K x 36	None	None
8MB	(1) 2M x 36	None	None	None
8MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	None
8MB	(1) 1M x 36	(1) 1M x 36	None	None
9MB	(1) 2M x 36	(1) 256K x 36	None	None
10MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	None
10MB	(1) 2M x 36	(1) 512K x 36	None	None
10MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
11MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
12MB	(1) 2M x 36	(1) 512K x 36	(1) 512K x 36	None
12MB	(1) 2M x 36	(1) 1M x 36	None	None
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
12MB	(1) 1M x 36	(1) 2M x 36	None	None
16MB	(1) 4M x 36	None	None	None
16MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	None
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
17MB	(1) 4M x 36	(1) 256K x 36	None	None
18MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	None
18MB	(1) 4M x 36	(1) 512K x 36	None	None
19MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	None
20MB	(1) 4M x 36	(1) 1M x 36	None	None
20MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36

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SIMM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
20MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	None
20MB	(1) 1M x 36	(1) 4M x 36	None	None
22MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	None
24MB	(1) 4M x 36	(1) 2M x 36	None	None
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	None
24MB	(1) 2M x 36	(1) 4M x 36	None	None
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 8M x 36	None	None	None
32MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	None
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
33MB	(1) 8M x 36	(1) 256K x 36	None	None
36MB	(1) 8M x 36	(1) 1M x 36	None	None
38MB	(1) 8M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
40MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	None
40MB	(1) 8M x 36	(1) 2M x 36	None	None
40MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
40MB	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36	None
40MB	(1) 2M x 36	(1) 8M x 36	None	None
44MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
48MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	None
48MB	(1) 8M x 36	(1) 4M x 36	None	None
52MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
56MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
56MB	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	None
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

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
128KB	(4) 32K x 8	None	(1) 8K/32 x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
512KB	(4) 128K x 8	None	(1) 32K x 8
1MB	(4) 128K x 8	(4) 128K x 8	(1) 128K x 8

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CACHE JUMPER CONFIGURATION				
Size	JP17	JP18	JP28	JP31
128KB	2 & 3	2 & 3	2 & 3	Open
256KB	2 & 3	1 & 2	1 & 2	1 & 2
512KB	1 & 2	2 & 3	2 & 3	1 & 2, 3 & 4
1MB	1 & 2	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6

Note: Pins designated should be in the closed position.

VIDEO MEMORY CONFIGURATION	
Size	Bank 0
2MB	(2) 256K x 16

CPU SPEED SELECTION	
Speed	JP53
25MHz	Open
33MHz	Pins 1 & 2, 3 & 4 closed
40MHz	Pins 3 & 4 closed
50iMHz	Open
63iMHz	Open
66iMHz	Pins 1 & 2, 3 & 4 closed
80iMHz	Pins 3 & 4 closed
83iMHz	Pins 1 & 2, 3 & 4 closed
100iMHz	Pins 1 & 2, 3 & 4 closed

CPU TYPE SELECTION					
Type	JP6	JP7	JP8	JP38	JP55
80486SX	Open	Open	Open	Open	Open
80486WB	Open	Open	Closed	Closed	Open
CX486DX	Closed	Open	Closed	Open	Open
SGS486DX	Closed	Open	Closed	Open	Open
AM486DX	Open	Open	Open	Open	Open
UMC U5	Open	Open	Open	Open	Open
80486DX	Open	Open	Open	Open	Open
CX486DX2	Closed	Open	Closed	Open	Open
SGS486DX2	Closed	Open	Closed	Open	Open
AM486DX2	Open	Open	Open	Open	Open
80486DX2	Open	Open	Open	Open	Open
AM486DX4	Open	Open	Open	Open	Open
80486DX4	Open	Open	Open	Open	Open
P24T	Open	Open	Closed	Open	Closed

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CPU TYPE SELECTION (CON'T)					
Type	JP58	JP59	JP60	JP61	JP62
80486SX	1 & 2	2 & 3	2 & 3	1 & 2	Open
80486WB	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
CX486DX	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
SGS486DX	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
AM486DX	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
UMC U5	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
80486DX	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
CX486DX2	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
SGS486DX2	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
AM486DX2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
80486DX2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
AM486DX4	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
80486DX4	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
P24T	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION (CON'T)					
Type	JP63	JP65	JP73	JP74	JP75
80486SX	1 & 2	2 & 3	Open	Open	1 & 2
80486WB	1 & 2	2 & 3	Open	Open	2 & 3
CX486DX	2 & 3	1 & 2	Open	1 & 2	2 & 3
SGS486DX	2 & 3	1 & 2	Open	1 & 2	2 & 3
AM486DX	1 & 2	2 & 3	Open	Open	1 & 2
UMC U5	1 & 2	2 & 3	Closed	Open	1 & 2
80486DX	1 & 2	2 & 3	Open	Open	1 & 2
CX486DX2	2 & 3	1 & 2	Open	1 & 2	2 & 3
SGS486DX2	2 & 3	1 & 2	Open	1 & 2	2 & 3
AM486DX2	1 & 2	2 & 3	Open	Open	1 & 2
80486DX2	1 & 2	2 & 3	Open	Open	1 & 2
AM486DX4	1 & 2	2 & 3	Open	Open	1 & 2
80486DX4	1 & 2	2 & 3	Open	Open	1 & 2
P24T	1 & 2	2 & 3	Open	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

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CPU TYPE SELECTION (CON'T)						
Type	JP91	JP92	JP93	JP94	JP95	JP97
80486SX	Open	Open	Open	1 & 2	Open	Open
80486WB	Open	Closed	Open	1 & 2	Open	Open
CX486DX	Open	Open	2 & 3	2 & 3	2 & 3	Open
SGS486DX	Open	Open	2 & 3	2 & 3	2 & 3	Open
AM486DX	Open	Open	Open	1 & 2	Open	Open
UMC U5	Closed	Open	Open	1 & 2	Open	Open
80486DX	Open	Open	Open	1 & 2	Open	Open
CX486DX2	Open	Open	2 & 3	2 & 3	2 & 3	Open
SGS486DX2	Open	Open	2 & 3	2 & 3	2 & 3	Open
AM486DX2	Open	Open	Open	1 & 2	Open	Closed
80486DX2	Open	Open	Open	1 & 2	Open	Open
AM486DX4	Open	Open	Open	1 & 2	Open	Open
80486DX4	Open	Open	Open	1 & 2	Open	Open
P24T	Open	Open	Open	1 & 2	Open	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION	
Voltage	JP57
3.45v	Pins 3 & 5, 4 & 6 closed
± 5v	Pins 1 & 3, 2 & 4 closed

VL BUS WAIT STATE SELECTION	
Setting	JP37
± 1	Pins 2 & 3 closed
0	Pins 1 & 2 closed

VL BUS SPEED SELECTION	
Speed	JP36
± ≤ 33MHz	Pins 2 & 3 closed
>33 MHz	Pins 1 & 2 closed

DMA CHANNEL SELECTION	
Channel	JP26
± 1	Pins 1 & 3, 2 & 4 closed
3	Pins 3 & 5, 4 & 6 closed