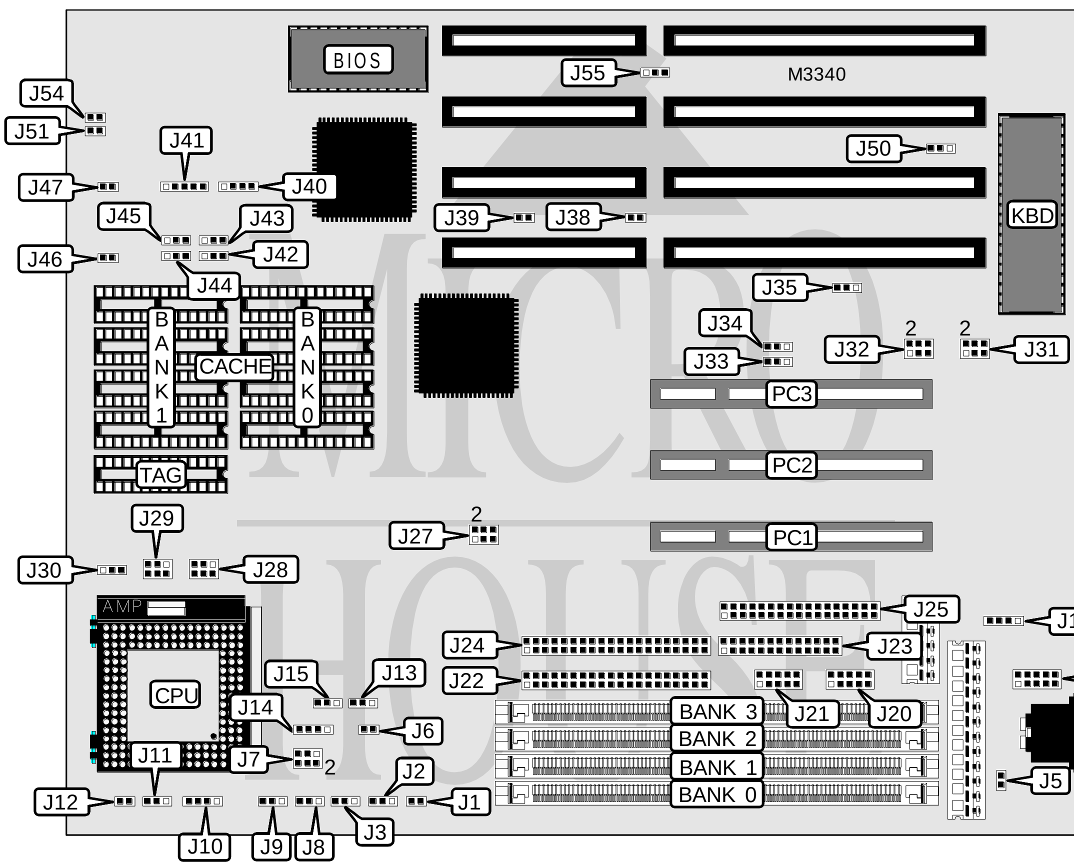
AMERICAN MEGATRENDS, INC.
SUPER VOYAGER PCI-II

Processor	80486SX/AM486DX/(SL)AM486DX/80486DX/CX486M7/(SL)AM486DX2(WB)/(SL)AM486DX2(WT)/80486DX2/(SL)AM486DX4(WB)/(SL)AM486DX4(WT)/80486DX4/P24D/P24T/CX M9
Processor Speed	25/33/+50(internal)/66(internal)75(internal)/100(internal)MHz
Chip Set	Unidentified
Video Chip Set	None
Maximum Onboard Memory	64MB
Maximum Video Memory	None
Cache	128/256KB
BIOS	AMI
Dimensions	260mm x 216mm
I/O Options	32-bit PCI slots (3), green PC connector, 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**
Green PC connector	J5	Floppy drive interface	J25
External battery	J18	Speaker	J40
PS/2 mouse interface	J19	Power LED & keylock	J41
Serial port 1	J20	Reset switch	J46
Serial port 2	J21	IDE interface LED	J47
IDE interface 1	J22	Turbo switch	J51
Parallel port	J23	Turbo LED	J54
IDE interface 2	J24	32-bit PCI slots	PC1 - PC3

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Parallel port IRQ select IRQ7	J33	Pins 1 & 2 closed
Parallel port IRQ select IRQ5	J33	Pins 2 & 3 closed
í Serial port 1 IRQ select IRQ4	J34	Pins 1 & 2 closed
Serial port 1 IRQ select IRQ3	J34	Pins 2 & 3 closed
í Serial port 2 IRQ select IRQ3	J35	Pins 1 & 2 closed
Serial port 2 IRQ select IRQ4	J35	Pins 2 & 3 closed
IDE2 IRQ 15 enabled	J38	Closed
IDE2 IRQ 15 disabled	J38	Open
IDE1 IRQ 14 enabled	J39	Closed
IDE1 IRQ 14 disabled	J39	Open
í CMOS memory normal operation	J44	Pins 1 & 2 closed
CMOS memory clear	J44	Pins 2 & 3 closed
PS/2 mouse IRQ12 enabled	J50	Pins 1 & 2 closed
PS/2 mouse IRQ12 disabled	J50	Pins 2 & 3 closed
í Flash BIOS installed	J55	Pins 2 & 3 closed
Flash BIOS not installed	J55	Pins 1 & 2 closed

DRAM CONFIGURATION (3.3V CPU INSTALLED)		
Size	Bank 0	Bank 1
1MB	(1) 256K x 36	None
2MB	(1) 256K x 36	(1) 256K x 36
4MB	(1) 1M x 36	None
5MB	(1) 1M x 36	(1) 256K x 36
8MB	(1) 1M x 36	(1) 1M x 36
8MB	None	(1) 2M x 36
16MB	(1) 4M x 36	None
17MB	(1) 256K x 36	(1) 4M x 36
32MB	(1) 4M x 36	(1) 4M x 36
32MB	None	(1) 8M x 36

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DRAM CONFIGURATION (5V CPU INSTALLED)				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
1MB	(1) 256K x 36	None	None	None
2MB	(1) 256K x 36	(1) 256K x 36	None	None
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	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
8MB	(1) 1M x 36	(1) 1M x 36	None	None
9MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	None
10MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	None
10MB	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36	None
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
13MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
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
19MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
32MB	(1) 4M x 36	(1) 4M x 36	None	None
34MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	None
34MB	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36	None
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) 2M x 36	(1) 4M x 36	(1) 4M x 36	None
40MB	(1) 2M x 36	(1) 8M x 36	None	None
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	None
52MB	(1) 1M 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) 32K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION			
Size	**J42**	**J43**	**J45**
128KB	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
256KB	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

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CACHE JUMPER CONFIGURATION			
Size	**J42**	**J43**	**J45**
128KB	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
256KB	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU SPEED SELECTION	
Speed	**J27**
25MHz	Pins 1 & 2, 3 & 4 closed
33MHz	Pins 3 & 4 closed
50iMHz	Pins 1 & 2, 3 & 4 closed
66iMHz	Pins 3 & 4 closed
75iMHz	Pins 1 & 2, 3 & 4 closed
100iMHz	Pins 3 & 4 closed

CPU TYPE SELECTION				
Type	**J1**	**J2**	**J3**	**J6**
80486SX	Open	Pins 2 & 3 closed	Open	Open
AM486DX	Open	Pins 2 & 3 closed	Open	Open
(SL) AM486DX	Open	Pins 2 & 3 closed	Open	Open
80486DX	Open	Pins 2 & 3 closed	Open	Open
CXM7 (3.3v)	Open	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
CXM7 (5v)	Open	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
(SL) AM486DX2 (WB)	Open	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
(SL) AM486DX2 (WT)	Open	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
80486DX2	Open	Pins 2 & 3 closed	Open	Open
(SL) AM486DX4 (WB)	Open	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
(SL) AM486DX4 (WT)	Open	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
80486DX4	Open	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
P24D	Open	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
P24T	Open	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
CX M9	Open	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed

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CPU TYPE SELECTION (CON'T)				
Type	**J7**	**J8**	**J9**	**J10**
80486SX	1 & 2, 3 & 4, 5 & 6	Open	Open	2 & 3
AM486DX	1 & 2, 3 & 4, 5 & 6	Open	Open	1 & 2, 3 & 4
(SL) AM486DX	Open	Open	Open	1 & 2, 3 & 4
80486DX	1 & 2, 3 & 4, 5 & 6	Open	Open	1 & 2, 3 & 4
CXM7 (3.3v)	Open	1 & 2	Open	1 & 2, 3 & 4
CXM7 (5v)	1 & 2, 3 & 4, 5 & 6	1 & 2	Open	1 & 2, 3 & 4
(SL) AM486DX2 (WB)	Open	2 & 3	1 & 2	1 & 2, 3 & 4
(SL) AM486DX2 (WT)	Open	2 & 3	1 & 2	1 & 2, 3 & 4
80486DX2	1 & 2, 3 & 4, 5 & 6	Open	Open	1 & 2, 3 & 4
(SL) AM486DX4 (WB)	Open	2 & 3	Open	1 & 2, 3 & 4
(SL) AM486DX4 (WT)	Open	2 & 3	Open	1 & 2, 3 & 4
80486DX4	Open	Open	Open	1 & 2, 3 & 4
P24D	1 & 2, 3 & 4, 5 & 6	2 & 3	Open	1 & 2, 3 & 4
P24T	1 & 2, 3 & 4, 5 & 6	Open	Open	1 & 2, 3 & 4
CX M9	Open	2 & 3	Open	1 & 2, 3 & 4
Note: Pins designated should be in the closed position.				

CPU TYPE SELECTION (CON'T)				
Type	**J11**	**J12**	**J13**	**J14**
80486SX	1 & 2	Open	Open	Open
AM486DX	1 & 2	Open	Open	Open
(SL) AM486DX	1 & 2	Open	Open	Open
80486DX	1 & 2	Open	Open	Open
CXM7 (3.3v)	1 & 2	Open	1 & 2	2 & 3
CXM7 (5v)	1 & 2	Open	1 & 2	2 & 3
(SL) AM486DX2 (WB)	1 & 2	Open	2 & 3	1 & 2, 3 & 4
(SL) AM486DX2 (WT)	1 & 2	Closed	2 & 3	1 & 2, 3 & 4
80486DX2	1 & 2	Open	Open	Open
(SL) AM486DX4 (WB)	1 & 2	Open	2 & 3	1 & 2, 3 & 4
(SL) AM486DX4 (WT)	1 & 2	Closed	2 & 3	1 & 2, 3 & 4
80486DX4	1 & 2	Open	Open	1 & 2, 3 & 4
P24D	1 & 2	Open	2 & 3	1 & 2, 3 & 4
P24T	2 & 3	Open	Open	3 & 4
CX M9	1 & 2	Open	Open	1 & 2, 3 & 4
Note: Pins designated should be in the closed position.				

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CPU TYPE SELECTION (CON'T)				
Type	**J15**	**J28**	**J29**	**J30**
80486SX	Open	Open	Open	Open
AM486DX	Open	Open	Open	Open
(SL) AM486DX	Open	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	1 & 2
80486DX	Open	Open	Open	Open
CXM7 (3.3v)	2 & 3	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	2 & 3
CXM7 (5v)	2 & 3	Open	Open	Open
(SL) AM486DX2 (WB)	1 & 2	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	1 & 2
(SL) AM486DX2 (WT)	1 & 2	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	1 & 2
80486DX2	Open	Open	Open	Open
(SL) AM486DX4 (WB)	1 & 2	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	1 & 2
(SL) AM486DX4 (WT)	1 & 2	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	1 & 2
80486DX4	Open	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	1 & 2
P24D	1 & 2	Open	Open	Open
P24T	Open	Open	Open	Open
CX M9	1 & 2	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	2 & 3
Note: Pins designated should be in the closed position. For jumper J28, if 3.3v from power supply, short pins shown. For jumper J29, if 3.3v from onboard voltage regulator, short pins shown.				

DMA CHANNEL SELECTION		
Channel	**J31**	**J32**
í Disabled	Open	Open
0	Pins 1 & 2 closed	Pins 1 & 2 closed
1	Pins 3 & 4 closed	Pins 3 & 4 closed
3	Pins 5 & 6 closed	Pins 5 & 6 closed