ATC/UNITRON COMPUTER & COMPUTER PARTS
486SL

Processor	CCX486M6/X486M7/AM486SXL/AM486SX(PLUS)/80486SX/AM486DXL/ 80486DX/ 80486DX2/AM486DX4(PLUS)/80486DX4/P23S/P24D/Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/80(internal)/100(internal)/ 120(internal)MHz
Chip Set	SIS
Max. Onboard DRAM	128MB
Cache	None
BIOS	AMI/Award
Dimensions	220mm x 220mm
I/O Options	Floppy drive interface, green PC connector, IDE interface, parallel port, serial ports (2), VGA feature connector, VGA port, riser slot
NPU Options	None
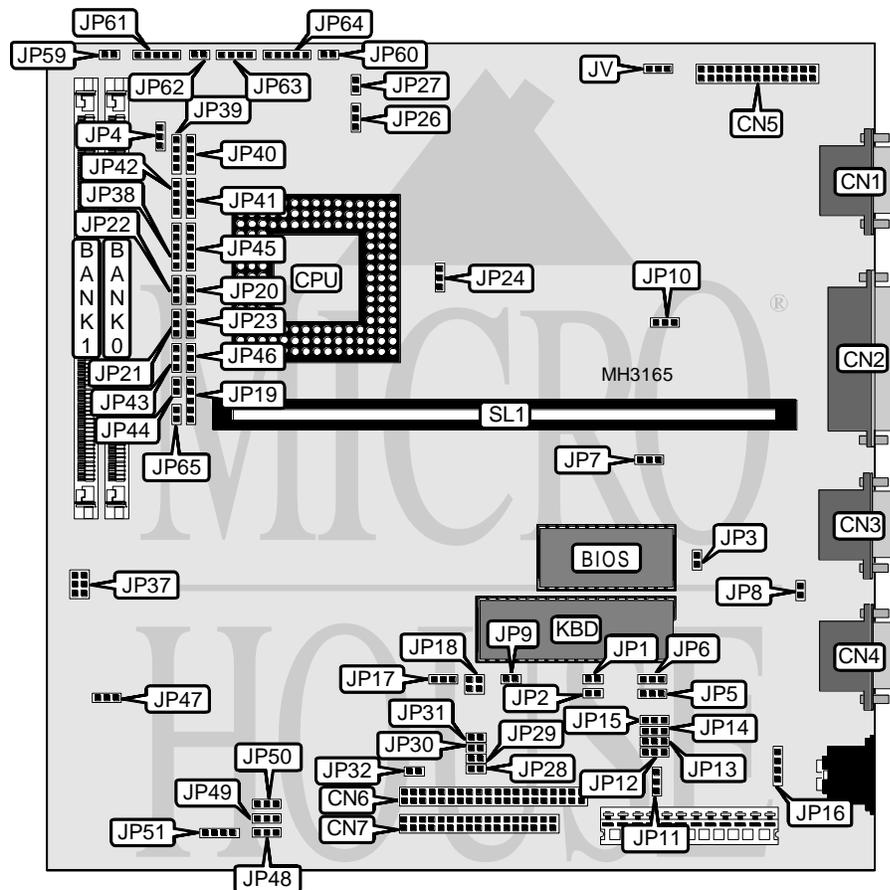
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CONNECTIONS			
Purpose	Location	Purpose	Location
VGA port	CN1	Green PC connector	JP59
Parallel port	CN2	IDE interface LED	JP60
Serial port 2	CN3	Turbo LED	JP61 pins 1 & 2
Serial port 1	CN4	Turbo switch	JP61 pins 3 & 4
VGA feature connector	CN5	Reset switch	JP62
IDE interface	CN6	Speaker	JP63
Floppy drive interface	CN7	Power LED & keylock	JP64
External battery	JP16	Riser Card	SL1
Green PC connector	JP51		

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
PS/2 mouse enabled	JP3	Closed
PS/2 mouse disabled	JP3	Open
í Power good signal detect from power supply	JP4	pins 1 & 2 closed
Power good signal detect from board	JP4	pins 2 & 3 closed
í VGA BIOS enabled	JP7	pins 1 & 2 closed
VGA BIOS disabled	JP7	pins 2 & 3 closed
í Factory configured - do not alter	JP8	N/A
Monitor type select color	JP9	Closed
Monitor type select monochrome	JP9	Open
í On board VGA enabled	JP10	pins 1 & 2 closed
On board VGA disabled	JP10	pins 2 & 3 closed
í CMOS memory normal operation	JP11	pins 1 & 2 closed
CMOS memory clear	JP11	pins 2 & 3 closed
í ECP DRQ enabled	JP12	pins 1 & 2 closed
ECP DRQ disabled	JP12	pins 2 & 3 closed
í ECP A10 enabled	JP15	pins 1 & 2 closed
ECP A10 disabled	JP15	pins 2 & 3 closed
í Parallel port IRQ select IRQ7	JP17	pins 2 & 3 closed
Parallel port IRQ select IRQ5	JP17	pins 1 & 2 closed
í Serial port IRQ select IRQ4	JP18	pins 3 & 4 closed
Serial port IRQ select IRQ3	JP18	pins 1 & 2 closed
í Factory configured - do not alter	JP24	N/A
CPU voltage regulator type select auto	JP27	Closed
CPU voltage regulator type select manual	JP27	Open
í IDE interface enabled	JP32	Open
IDE interface disabled	JP32	Closed
í CPU clock = CLKIN	JP47	pins 1 & 2 closed
CPU clock delayed for CLKIN	JP47	pins 2 & 3 closed
í Internal clock select CLKIN	JP50	pins 1 & 2 closed
Internal clock select 1/2 CLKIN	JP50	pins 2 & 3 closed
í Factory configured - do not alter	JP65	N/A
í Factory configured - do not alter	JV	N/A

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DRAM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(1) 256K x 36	NONE
2MB	(1) 256K x 36	(1) 256K x 36
2MB	(1) 512K x 36	NONE
3MB	(1) 512K x 36	(1) 256K x 36
3MB	(1) 256K x 36	(1) 512K x 36
4MB	(1) 512K x 36	(1) 512K x 36
4MB	(1) 1M x 36	NONE
5MB	(1) 1M x 36	(1) 256K x 36
5MB	(1) 256K x 36	(1) 1M x 36
6MB	(1) 1M x 36	(1) 512K x 36
6MB	(1) 512K x 36	(1) 1M x 36
8MB	(1) 1M x 36	(1) 1M x 36
8MB	(1) 2M x 36	NONE
9MB	(1) 2M x 36	(1) 256K x 36
9MB	(1) 256K x 36	(1) 2M x 36
10MB	(1) 2M x 36	(1) 512K x 36
10MB	(1) 512K x 36	(1) 2M x 36
12MB	(1) 2M x 36	(1) 1M x 36
12MB	(1) 1M x 36	(1) 2M x 36
16MB	(1) 2M x 36	(1) 2M x 36
16MB	(1) 4M x 36	NONE
17MB	(1) 4M x 36	(1) 256K x 36
17MB	(1) 256K x 36	(1) 4M x 36
18MB	(1) 4M x 36	(1) 512K x 36
18MB	(1) 512K x 36	(1) 4M x 36
20MB	(1) 4M x 36	(1) 1M x 36
20MB	(1) 1M x 36	(1) 4M x 36
24MB	(1) 4M x 36	(1) 2M x 36
24MB	(1) 2M x 36	(1) 4M x 36
32MB	(1) 4M x 36	(1) 4M x 36
32MB	(1) 8M x 36	NONE
33MB	(1) 8M x 36	(1) 256K x 36
33MB	(1) 256K x 36	(1) 8M x 36
34MB	(1) 8M x 36	(1) 512K x 36
34MB	(1) 512K x 36	(1) 8M x 36
36MB	(1) 8M x 36	(1) 1M x 36
36MB	(1) 1M x 36	(1) 8M x 36
40MB	(1) 8M x 36	(1) 2M x 36
40MB	(1) 2M x 36	(1) 8M x 36
48MB	(1) 8M x 36	(1) 4M x 36
48MB	(1) 4M x 36	(1) 8M x 36
64MB	(1) 8M x 36	(1) 8M x 36
64MB	(1) 16M x 36	NONE

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DRAM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
65MB	(1) 16M x 36	(1) 256K x 36
65MB	(1) 256K x 36	(1) 16M x 36
66MB	(1) 16M x 36	(1) 512K x 36
66MB	(1) 512K x 36	(1) 16M x 36
68MB	(1) 16M x 36	(1) 1M x 36
68MB	(1) 1M x 36	(1) 16M x 36
72MB	(1) 16M x 36	(1) 2M x 36
72MB	(1) 2M x 36	(1) 16M x 36
80MB	(1) 16M x 36	(1) 4M x 36
80MB	(1) 4M x 36	(1) 16M x 36
96MB	(1) 16M x 36	(1) 8M x 36
96MB	(1) 8M x 36	(1) 16M x 36
128MB	(1) 16M x 36	(1) 16M x 36

CPU TYPE CONFIGURATION					
Type	JP19	JP20	JP21	JP22	JP23
CX486M6	N/A	2 & 3	1 & 2	2 & 3	N/A
AM486SXL	1 & 2	N/A	2 & 3	2 & 3	N/A
AM486SX(PLUS)	4 & 5	N/A	1 & 2	2 & 3	2 & 3
80486SX	1 & 2	N/A	1 & 2	2 & 3	N/A
AM486DXL	1 & 2	N/A	2 & 3	2 & 3	N/A
CX486M7	N/A	2 & 3	1 & 2	2 & 3	N/A
80486DX	1 & 2	N/A	1 & 2	2 & 3	N/A
80486DX2	1 & 2	N/A	1 & 2	2 & 3	N/A
AM486DX4(PLUS)	4 & 5	N/A	1 & 2	2 & 3	2 & 3
80486DX4	1 & 2	N/A	1 & 2	2 & 3	N/A
P23S	1 & 2	N/A	1 & 2	2 & 3	N/A
P24D	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
P24T	1 & 2	1 & 2	1 & 2	1 & 2	N/A
Note: Pins designated should be in the closed position.					

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CPU TYPE CONFIGURATION (CON'T)					
Type	JP38	JP39	JP40	JP41	JP42
CX486M6	2 & 3	2 & 3	N/A	1 & 2	2 & 3
AM486SXL	N/A	3 & 4	1 & 2	3 & 4	2 & 3
AM486SX(PLUS)	4 & 5	N/A	N/A	2 & 3	2 & 3
80486SX	4 & 5	N/A	N/A	2 & 3	2 & 3
AM486DXL	N/A	3 & 4	1 & 2, 3 & 4	3 & 4	1 & 2, 3 & 4
CX486M7	2 & 3	2 & 3	3 & 4	1 & 2	1 & 2, 3 & 4
80486DX	4 & 5	N/A	3 & 4	2 & 3	1 & 2, 3 & 4
80486DX2	4 & 5	N/A	3 & 4	2 & 3	1 & 2, 3 & 4
AM486DX4(PLUS)	4 & 5	N/A	3 & 4	2 & 3	1 & 2, 3 & 4
80486DX4	4 & 5	N/A	3 & 4	2 & 3	1 & 2, 3 & 4
P23S	4 & 5	N/A	3 & 4	2 & 3	2 & 3
P24D	4 & 5	N/A	3 & 4	2 & 3	1 & 2, 3 & 4
P24T	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2, 3 & 4
Note: Pins designated should be in the closed position.					

CPU TYPE CONFIGURATION (CON'T)						
Type	JP43	JP44	JP45	JP46	JP48	JP49
CX486M6	N/A	N/A	2 & 3	N/A	N/A	N/A
AM486SXL	N/A	N/A	4 & 5	N/A	N/A	N/A
AM486SX(PLUS)	N/A	N/A	3 & 4	N/A	N/A	N/A
80486SX	N/A	N/A	3 & 4	N/A	2 & 3	1 & 2
AM486DXL	N/A	N/A	4 & 5	N/A	1 & 2	2 & 3
CX486M7	N/A	N/A	2 & 3	N/A	1 & 2	2 & 3
80486DX	2 & 3	N/A	3 & 4	N/A	2 & 3	1 & 2
80486DX2	2 & 3	N/A	3 & 4	N/A	2 & 3	1 & 2
AM486DX4(PLUS)	2 & 3	N/A	3 & 4	N/A	1 & 2	1 & 2
80486DX4	1 & 2	N/A	3 & 4	N/A	2 & 3	1 & 2
P23S	N/A	N/A	3 & 4	N/A	N/A	N/A
P24D	1 & 2, or 2 & 3	N/A	1 & 2, 3 & 4	N/A	1 & 2	1 & 2
P24T	N/A	N/A	3 & 4	1 & 2, or 2 & 3	1 & 2	1 & 2
Note: Pins designated should be in the closed position. This board also accepts SL-series CPUs & am486dxl2, but no jumper settings are listed.						

CPU SPEED CONFIGURATION	
Speed	JP37
25MHz	pins 1 & 2, 5 & 6 closed
33MHz	pins 1 & 2, 3 & 4 closed
40MHz	pins 5 & 6 closed
50iMHz	pins 1 & 2, 5 & 6 closed
50MHz	pins 3 & 4 closed
66iMHz	pins 1 & 2, 3 & 4 closed
75iMHz	pins 1 & 2, 5 & 6 closed
80iMHz	pins 5 & 6 closed
100iMHz	pins 1 & 2, 3 & 4 closed
120iMHz	pins 5 & 6 closed

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CPU VOLTAGE CONFIGURATION	
Voltage	JP26
Auto detect	Open
3.3v	pins 2 & 3 closed
5v	pins 1 & 2 closed

DMA CONFIGURATION		
DMA	JP13	JP14
DMA 1	pins 2 & 3 closed	pins 2 & 3 closed
í DMA 3	pins 1 & 2 closed	pins 1 & 2 closed

FLOPPY ENHANCED MODE CONFIGURATION		
Setting	JP28	JP29
í Enabled	Closed	Closed
Disabled	Open	Open

KEYBOARD CONFIGURATION				
Type	JP1	JP2	JP5	JP6
AT	Open	Open	pins 2 & 3 closed	pins 2 & 3 closed
PS/2	Closed	Closed	pins 1 & 2 closed	pins 1 & 2 closed

MEDIA DETECT CONFIGURATION		
Setting	JP30	JP31
Enabled	Closed	Closed
í Disabled	Open	Open

MISCELLANEOUS TECHNICAL NOTE
Note: The location of pin 1 is unidentified.