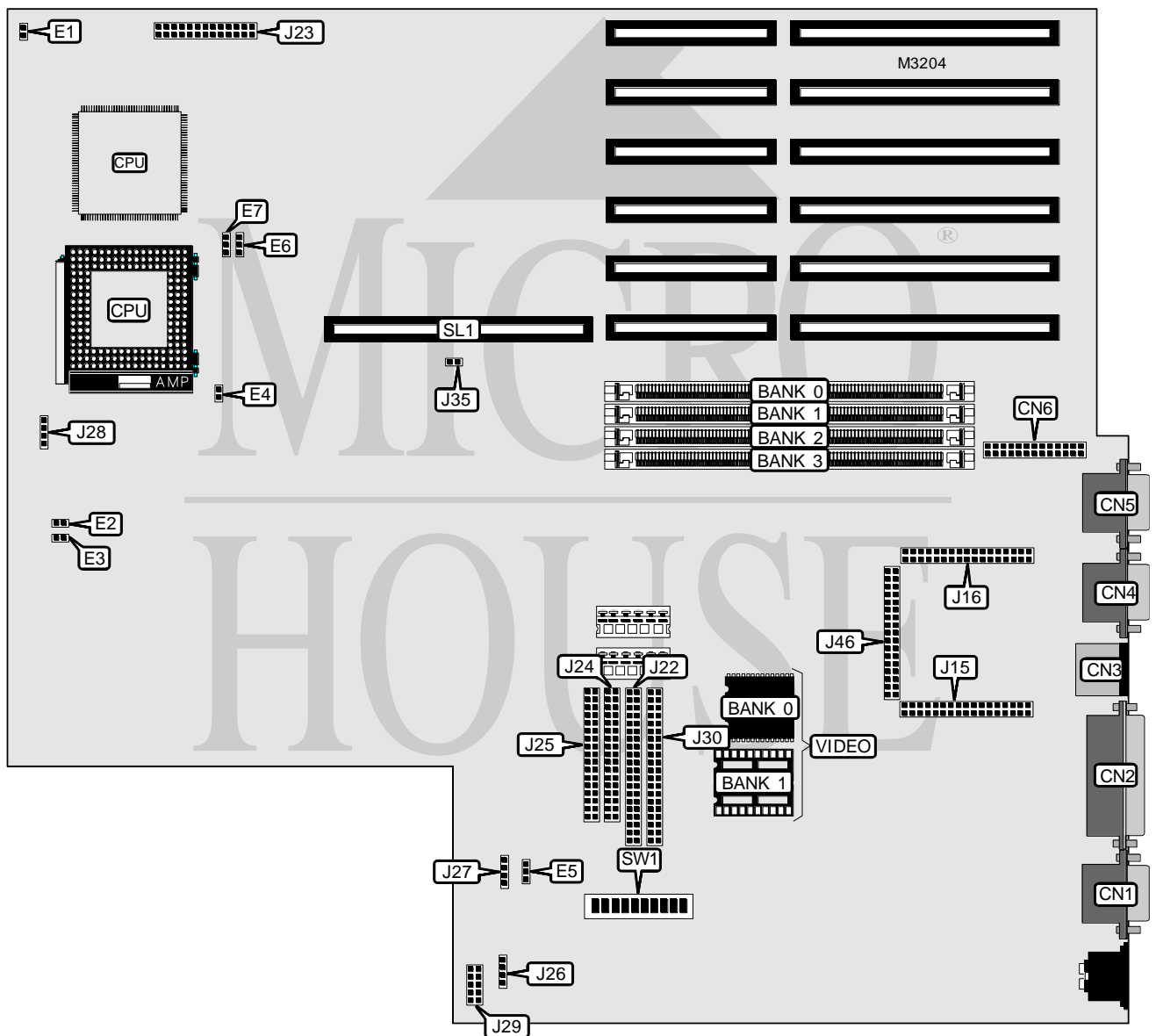


AST RESEARCH, INC.

PREMMIA 486

(202514-000,202557-000,101,202613-X0X)

Processor	80486SX/80487SX/ODP486SX/80486DX/80486DX2/Pentium Overdrive/Pentium
Processor Speed	25/33/50(internal)/60/66(internal)MHz
Chip Set	Unidentified
Max. Onboard DRAM	128MB
Cache	128/256/512KB
BIOS	Unidentified
Dimensions	355mm x 305mm
I/O Options	Floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA port, CPU/cache slot, LAN connectors (3)
NPU Options	None



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AST RESEARCH, INC.
PREMMIA 486
(202514-000,202557-000,101,202613-X0X)

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CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port	CN1	Floppy drive interface 2	J25
Parallel port	CN2	External battery	J26
PS/2 mouse port	CN3	Speaker	J27
Serial port	CN4	Chassis fan power	J28
VGA port	CN5	Front panel connector	J29
LAN module connector	J15	Test connector	J30
LAN module connector	J16	IDE interface LED	J35
IDE interface	J22	LAN module connector	J46
Test connector	J23	CPU/cache slot	SL1
Floppy drive interface 1	J24		

USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
í Factory configured - do not alter	CN6	N/A
í Factory configured - do not alter	E2	Open
í Parity enabled	E3	Closed
Parity disabled	E3	Open
í Factory configured - do not alter	E5	pins 2 & 3 closed
í On board video enabled	SW1/1	On
On board video disabled	SW1/1	Off
í Factory configured - do not alter	SW1/2	Off
í CMOS memory normal operation	SW1/3	Off
CMOS memory clear	SW1/3	On
í Flash BIOS normal operation	SW1/4	Off
Flash BIOS force update at boot	SW1/4	On
í Password enabled	SW1/5	Off
Password disabled	SW1/5	On
í Factory configured - do not alter	SW1/6	Off
í Factory configured - do not alter	SW1/7	Off
í Factory configured - do not alter	SW1/8	Off
í I/O address select 398h	SW1/9	On
I/O address select 26Eh	SW1/9	Off
í Monitor type select color	SW1/10	On
Monitor type select monochrome	SW1/10	Off

Note: E5 may not be present on all revisions.

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AST RESEARCH, INC.

PREMMIA 486

(202514-000,202557-000,101,202613-X0X)

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DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
6MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36
8MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
18MB	(1) 256K x 36	(1) 256K x 36	(1) 2M x 36	(1) 2M x 36
20MB	(1) 512K x 36	(1) 512K x 36	(1) 2M x 36	(1) 2M x 36
24MB	(1) 1M x 36	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
34MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
48MB	(1) 2M x 36	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 8M x 36	NONE	NONE
66MB	(1) 256K x 36	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36
68MB	(1) 512K x 36	(1) 512K x 36	(1) 8M x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
80MB	(1) 2M x 36	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36
96MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION	
Size	SL1
128KB	Installed
256KB	Installed
512KB	Installed

Note: Only one size can be installed at any one time. If CPU card is installed, cache cannot be installed.

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 PREMMIA 486
 (202514-000,202557-000,101,202613-X0X)

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CPU TYPE CONFIGURATION				
Type	E1	E4	E6	E7
80486SX (PQFP)	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486SX (PGA)	pins 1 & 2 closed	Open	pins 2 & 3 closed	pins 2 & 3 closed
80487SX	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
ODP486SX	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486DX	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486DX2	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
Pentium Overdrive	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
Pentium	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed

Note: If PQFP is used, E1 is open.

VIDEO MEMORY CONFIGURATION		
Size	Bank 0	Bank 1
1MB	1MB	NONE
2MB	1MB	(2) 256K x 16

Note: Bank 0 is factory installed and is not configurable.

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