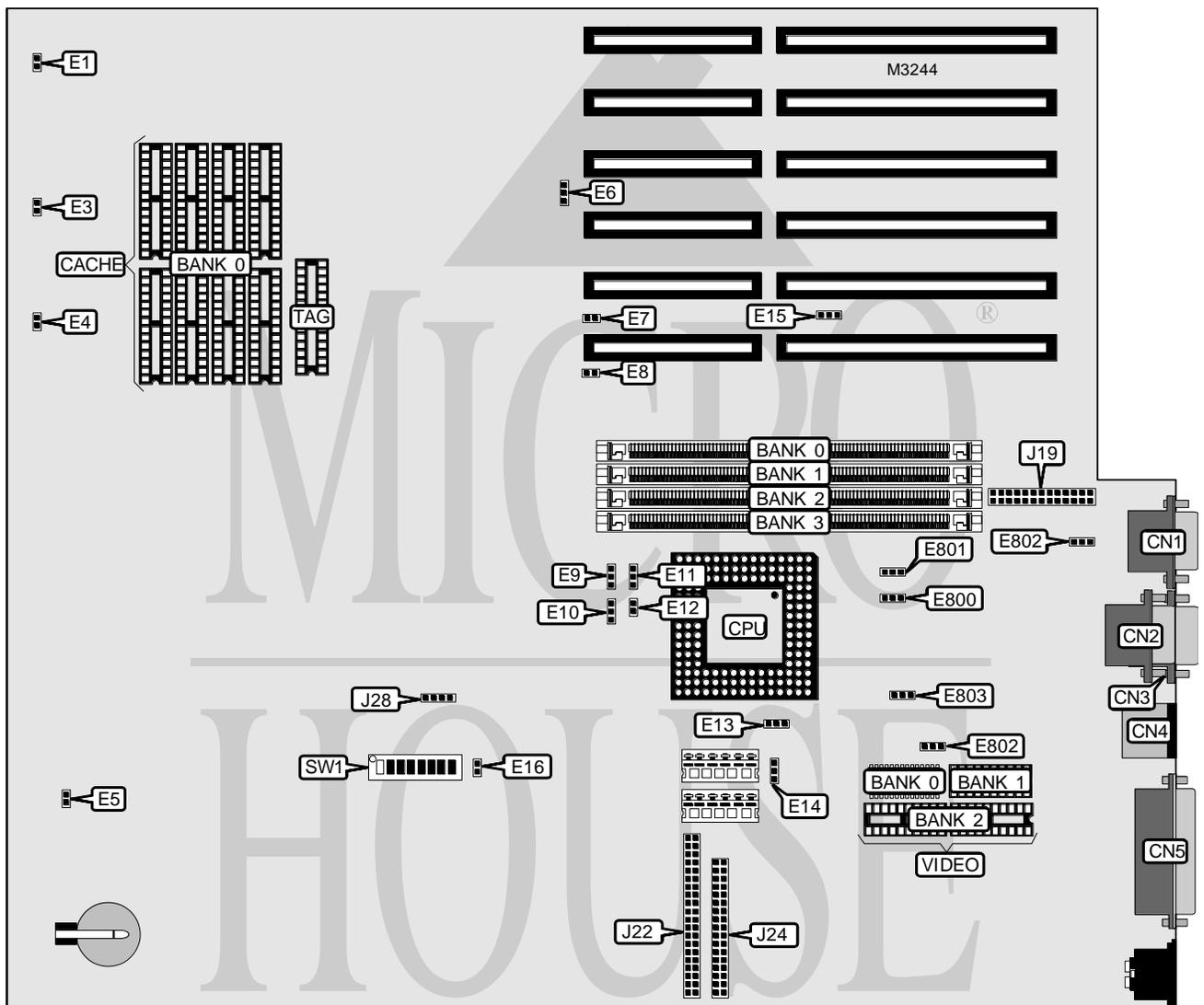


AST RESEARCH, INC. ADVANTAGE PLUS! SERIES 486 (MT) (202528-101)

Processor	80486SX/80487SX/ODP486/ODPR486/80486DX/80486DX2/P24T
Processor Speed	25/33/50(internal)/66(internal)MHz
Chip Set	Unidentified
Max. Onboard DRAM	64MB
Cache	64/256KB
BIOS	AST
Dimensions	355mm x 305mm
I/O Options	Floppy drive interface, IDE interface, parallel port, PS/2 mouse port, serial ports (2), 8514 video pass through connector, VGA port
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
VGA port	CN1	Reset switch	E3
Serial port	CN2	IDE interface LED	E4
Serial port	CN3	8514 video pass through connector	J19
PS/2 mouse port	CN4	IDE interface	J22
Parallel port	CN5	Floppy drive interface	J24
Power LED	E1	Chassis fan power	J28

USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
í CMOS memory normal operation	E5	Open
CMOS memory clear	E5	Closed
í Factory configured - do not alter	E14	Pins 1 & 2 closed
í Parallel port IRQ select IRQ7	E15	Pins 1 & 2 closed
Parallel port IRQ select IRQ5	E15	Pins 2 & 3 closed
í Factory configured - do not alter	E800	Pins 2 & 3 closed
í Factory configured - do not alter	E801	Pins 1 & 2 closed
í Monitor power conservation disabled	E802	Pins 2 & 3 closed
Monitor power conservation enabled	E802	Pins 1 & 2 closed
í Factory configured - do not alter	E803	Pins 1 & 2 closed
í Factory configured - do not alter	E804	Pins 1 & 2 closed
í On board video enabled	SW1/1	Off
On board video disabled	SW1/1	On
í Factory configured - do not alter	SW1/2	Off
í Flash BIOS normal operation	SW1/3	Off
Flash BIOS force update at boot	SW1/3	On
í Password enabled	SW1/4	Off
Password disabled	SW1/4	On
í Monitor type select color	SW1/5	On
Monitor type select monochrome	SW1/5	Off
í Factory configured - do not alter	SW1/6	Off
í Factory configured - do not alter	SW1/7	Off
í Setup access enabled	SW1/8	Off
Setup access disabled	SW1/8	On

DRAM CONFIGURATION				
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) 256K x 36			
5MB	(1) 1M x 36	(1) 256K x 36	None	None

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	None
7MB	(1) 1M 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) 1M x 36	(1) 1M x 36	(1) 256K x 36	None
10MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
13MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 4M x 36	None	None	None
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
19MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 4M x 36	(1) 1M x 36	None	None
21MB	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36	None
22MB	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	None
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
33MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	None
34MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
36MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	None
37MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36
40MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	None
49MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36
52MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36

CACHE CONFIGURATION		
Size	Bank 0	TAG
64KB	(8) 8K x 8	(1) 8K x 9
256KB	(8) 32K x 8	(1) 32K x 9

CACHE JUMPER CONFIGURATION			
Size	E6	E7	E8
None	Pins 1 & 2 closed	Open	Open
64KB	Pins 1 & 2 closed	Open	Open
256KB	Pins 2 & 3 closed	Closed	Closed

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CPU TYPE CONFIGURATION					
Type	E9	E10	E11	E12	E13
80486SX	Open	2 & 3	1 & 2	Open	2 & 3
80487SX	1 & 2	1 & 2	2 & 3	Closed	2 & 3
ODP486	1 & 2	1 & 2	2 & 3	Closed	2 & 3
ODPR486	2 & 3	1 & 2	1 & 2	Closed	2 & 3
80486DX	2 & 3	1 & 2	1 & 2	Closed	2 & 3
80486DX2	2 & 3	1 & 2	1 & 2	Closed	2 & 3
P24T	1 & 2	1 & 2	2 & 3	Closed	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION	
Speed	E16
25MHz	Open
33MHz	Closed
50iMHz	Open
66iMHz	Closed

VIDEO MEMORY CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
512KB	(1) 256K x 16	None	None
1MB	(1) 256K x 16	(1) 256K x 16	None
2MB	(1) 256K x 16	(1) 256K x 16	(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.