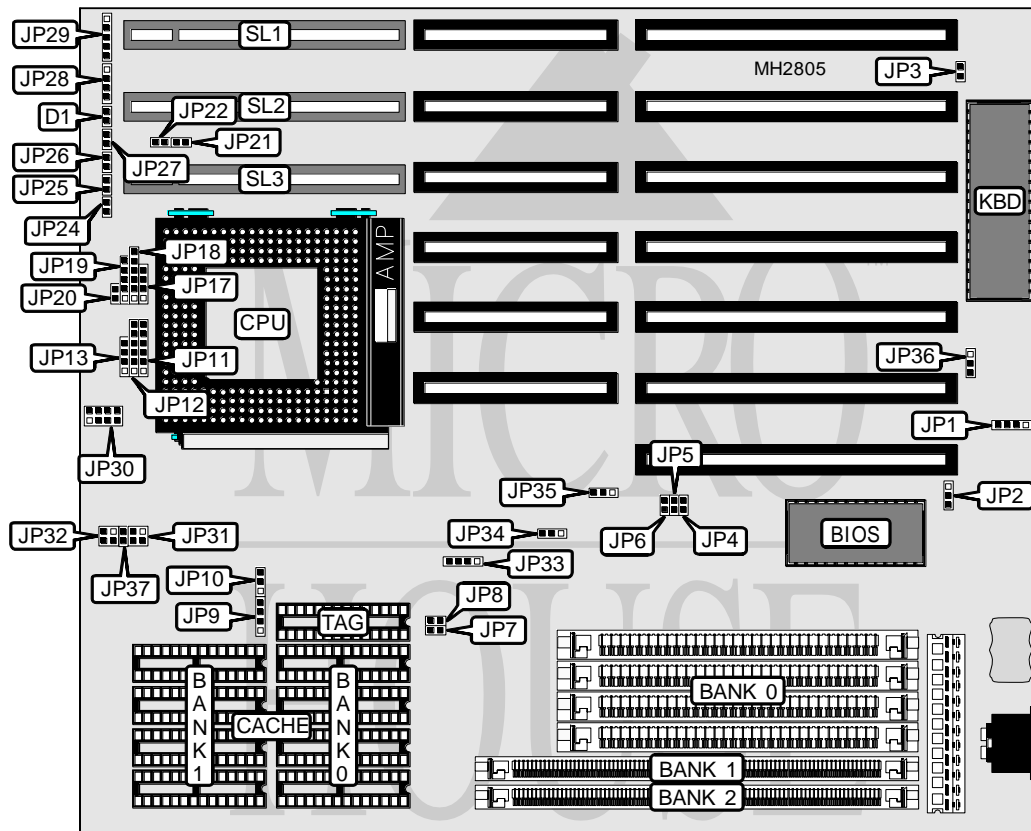


# PINE TECHNOLOGY

## P T - 4 3 0

<b>Processor</b>	CX486M6/80486SX/CX486M7/AM486DXL/UMC486/SL80486DX/80486DX/ 80486DX2/80486DX4/P24D/Pentium Overdrive
<b>Processor Speed</b>	25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
<b>Chip Set</b>	UMC
<b>Max. Onboard DRAM</b>	36MB
<b>Cache</b>	64/128/256KB
<b>BIOS</b>	AMI/Award
<b>Dimensions</b>	254mm x 218mm
<b>I/O Options</b>	32-bit VESA local bus slots (3), green PC connector
<b>NPU Options</b>	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Turbo LED	D1	Speaker	JP28
External battery	JP1	Power LED & keylock	JP29
Green PC LED	JP24	Chassis fan power	JP33
Green PC connector	JP25	ECO-PAD/green VGA & IDE card connector	JP35
Reset switch	JP26	32-bit VESA local bus slots	SL1 - SL3
Turbo switch	JP27		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í BIOS voltage select 5v	JP2	pins 1 & 2 closed
BIOS voltage select 12v	JP2	pins 2 & 3 closed
í Keyboard type select external	JP3	Open
Keyboard type select internal	JP3	Closed
í CPU fan control select controlled by green mode	JP34	pins 1 & 2 closed
CPU fan control select always on	JP34	pins 2 & 3 closed
í Power good signal detect from board	JP36	pins 1 & 2 closed
Power good signal detect from power supply	JP36	pins 2 & 3 closed

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
1MB	(4) 256K x 9	NONE	NONE
1MB	NONE	(1) 256K x 36	NONE
1MB	NONE	NONE	(1) 256K x 36
2MB	NONE	(1) 512K x 36	NONE
2MB	NONE	NONE	(1) 512K x 36
2MB	(4) 256K x 9	(1) 256K x 36	NONE
2MB	NONE	(1) 256K x 36	(1) 256K x 36
3MB	(4) 256K x 9	(1) 512K x 36	NONE
3MB	NONE	(1) 256K x 36	(1) 512K x 36
3MB	NONE	(1) 512K x 36	(1) 256K x 36
4MB	(4) 1M x 9	NONE	NONE
4MB	NONE	(1) 1M x 36	NONE
4MB	NONE	NONE	(1) 1M x 36
4MB	NONE	(1) 512K x 36	(1) 512K x 36
4MB	(4) 256K x 9	(1) 512K x 36	(1) 256K x 36
5MB	(4) 256K x 9	(1) 1M x 36	NONE
5MB	(4) 1M x 9	(1) 256K x 36	NONE
5MB	NONE	(1) 256K x 36	(1) 1M x 36
5MB	NONE	(1) 1M x 36	(1) 256K x 36
6MB	(4) 1M x 9	(1) 512K x 36	NONE
6MB	NONE	(1) 512K x 36	(1) 1M x 36
6MB	NONE	(1) 1M x 36	(1) 512K x 36
8MB	NONE	(1) 2M x 36	NONE
8MB	NONE	NONE	(1) 2M x 36
8MB	(4) 1M x 9	(1) 1M x 36	NONE
8MB	NONE	(1) 1M x 36	(1) 1M x 36
8MB	(4) 1M x 9	(1) 512K x 36	(1) 512K x 36
9MB	(4) 256K x 9	(1) 2M x 36	NONE
9MB	NONE	(1) 256K x 36	(1) 2M x 36
10MB	NONE	(1) 512K x 36	(1) 2M x 36
11MB	(4) 256K x 9	(1) 512K x 36	(1) 2M x 36
12MB	(4) 1M x 9	(1) 2M x 36	NONE
12MB	NONE	(1) 1M x 36	(1) 2M x 36

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# PINE TECHNOLOGY

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DRAM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
16MB	(4) 4M x 9	NONE	NONE
16MB	NONE	(1) 4M x 36	NONE
16MB	NONE	NONE	(1) 4M x 36
17MB	(4) 256K x 9	(1) 4M x 36	NONE
17MB	(4) 4M x 9	(1) 256K x 36	NONE
17MB	NONE	(1) 256K x 36	(1) 4M x 36
17MB	NONE	(1) 4M x 36	(1) 256K x 36
18MB	(4) 4M x 9	(1) 512K x 36	NONE
18MB	NONE	(1) 512K x 36	(1) 4M x 36
18MB	NONE	(1) 4M x 36	(1) 512K x 36
19MB	(4) 256K x 9	(1) 512K x 36	(1) 4M x 36
20MB	(4) 1M x 9	(1) 4M x 36	NONE
20MB	(4) 4M x 9	(1) 1M x 36	NONE
20MB	NONE	(1) 1M x 36	(1) 4M x 36
20MB	NONE	(1) 4M x 36	(1) 1M x 36
22MB	(4) 4M x 9	(1) 512K x 36	(1) 1M x 36
24MB	(4) 4M x 9	(1) 2M x 36	NONE
24MB	NONE	(1) 4M x 36	(1) 2M x 36
32MB	NONE	(1) 8M x 36	NONE
32MB	NONE	NONE	(1) 8M x 36
32MB	(4) 4M x 9	(1) 4M x 36	NONE
36MB	(4) 1M x 9	(1) 4M x 36	(1) 4M x 36
36MB	(4) 4M x 9	(1) 1M x 36	(1) 4M x 36

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8
128KB	(4) 32K x 8	NONE	(1) 8K x 8
256KB	(4) 64K x 8	NONE	(1) 32K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION				
Size	JP7	JP8	JP9	JP10
64KB	Open	Open	Open	2 & 3
128KB	Open	Closed	1 & 2	1 & 2
256KB	Closed	Closed	1 & 2, 3 & 4	1 & 2
256KB	Closed	Closed	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

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**PINE TECHNOLOGY**  
**P T - 4 3 0**

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CPU TYPE CONFIGURATION			
Type	JP11	JP12	JP13
CX486M6	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	2 & 3
80486SX	Open	2 & 3	2 & 3
CX486M7	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4, 5 & 6	1 & 2, 3 & 4
AM486DXL	2 & 3	2 & 3	1 & 2, 3 & 4
UMC486	2 & 3	2 & 3	2 & 3
80486DX	Open	2 & 3	1 & 2, 3 & 4
SL80486DX	1 & 2	1 & 2	1 & 2, 3 & 4
80486DX2	Open	2 & 3	1 & 2, 3 & 4
80486DX4	1 & 2	1 & 2	1 & 2, 3 & 4
P24D	1 & 2, 4 & 5	1 & 2, 4 & 5	1 & 2, 3 & 4
Pentium Overdrive	1 & 2	1 & 2	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION (CON'T)			
Type	JP17	JP18	JP19
CX486M6	Open	2 & 3, 4 & 5	2 & 3, 4 & 5
80486SX	Open	Open	Open
CX486M7	1 & 2	2 & 3, 4 & 5	2 & 3
AM486DXL	1 & 2, 3 & 4	1 & 2	Open
UMC486	3 & 4	1 & 2	Open
80486DX	1 & 2	Open	Open
SL80486DX	1 & 2	5 & 6	1 & 2, 3 & 4
80486DX2	1 & 2	Open	Open
80486DX4	1 & 2	5 & 6	1 & 2, 3 & 4
P24D	1 & 2	3 & 4, 5 & 6	1 & 2, 3 & 4
Pentium Overdrive	2 & 3	5 & 6	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION			
Speed	JP4	JP5	JP6
25MHz	Open	Open	Closed
33MHz	Closed	Closed	Closed
40MHz	Open	Closed	Closed
50iMHz	Open	Open	Closed
50MHz	Closed	Open	Open
66iMHz	Closed	Closed	Closed
75iMHz	Open	Open	Closed
100iMHz	Closed	Closed	Closed

CPU SPEED CONFIGURATION (80486DX4 ONLY)	
Speed	JP20
2x	Closed
3x	Open

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VESA WAIT STATE CONFIGURATION	
Wait states	JP22
0 wait states	Open
1 wait state	Closed

BUS SPEED CONFIGURATION	
CPU speed	JP21
<= 33MHz	Open
> 33MHz	Closed

DAUGHTER BOARD CONFIGURATION	
Note: In order to use the daughter board, remove jumpers from JP30 and install the daughter board on jumpers JP30, JP31, JP32 and JP37.	