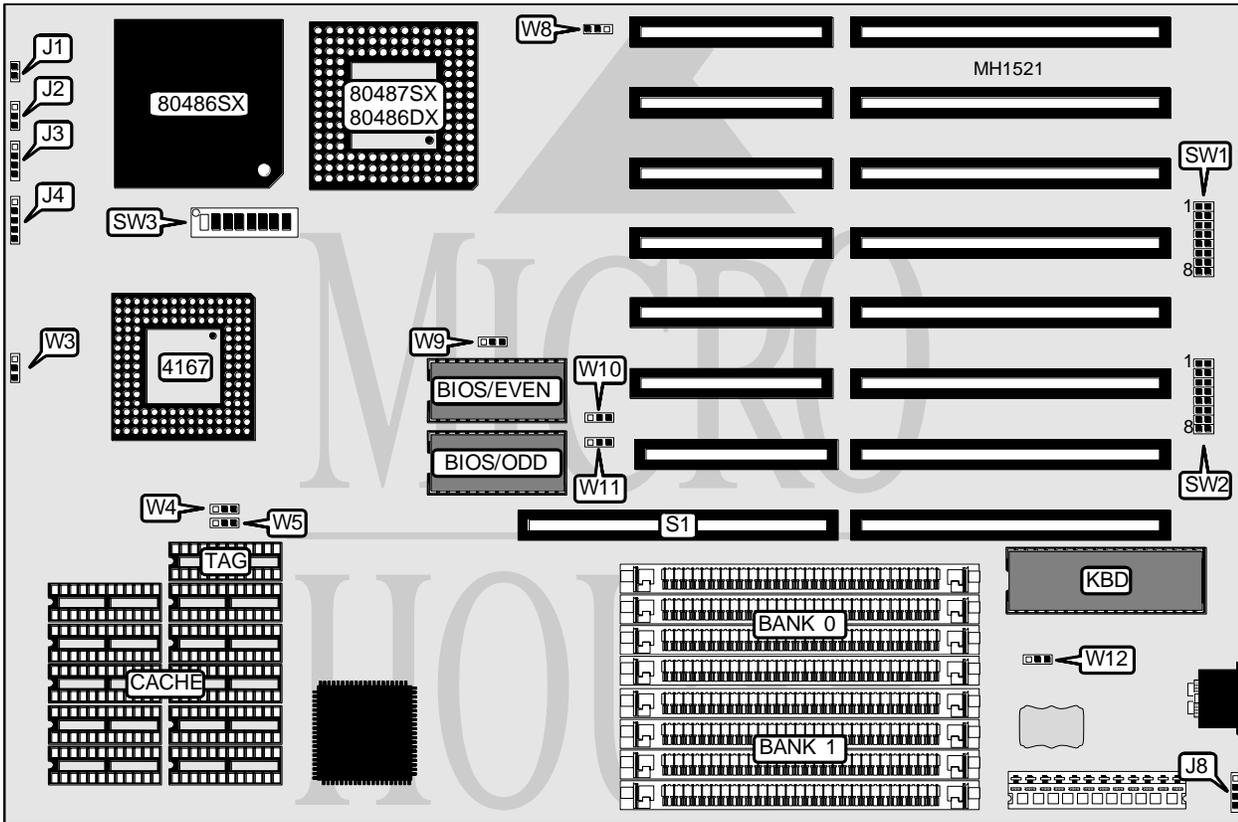


# TECHNOLOGY POWER ENTERPRISES, INC.

## TP486SX SONIC SERIES

<b>Processor</b>	80486SX/80487SX/80486DX
<b>Processor Speed</b>	16/20/25/33MHz
<b>Chip Set</b>	VLSI
<b>Max. onboard DRAM</b>	32MB
<b>Cache</b>	64/256KB
<b>BIOS</b>	AMI
<b>Dimensions</b>	330mm x 218mm
<b>I/O Options</b>	32-bit external memory card
<b>NPU Options</b>	4167



CONNECTIONS			
Purpose	Location	Purpose	Location
Reset switch	J1	Power LED & keylock	J4
Turbo	J2	External battery	J8
Speaker	J3	32-bit external card	S1

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# TECHNOLOGY POWER ENTERPRISES, INC.

## TP486SX SONIC SERIES

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USER CONFIGURABLE SETTINGS		
Function	Jumper/switch	Position
í Factory configured - do not alter	SW1/switch 1	On
í Factory configured - do not alter	SW1/switch 2	Off
í DRAM banks 0 & 1 enabled	SW1/switchs 5 & 6	On
í DRAM banks 0 & 1 disabled	SW1/switchs 5 & 6	Off
í Factory configured - do not alter	SW2/switch 1	On
í Factory configured - do not alter	SW2/switch 2	On
í Shadow video BIOS disabled	SW2/switch 3	Off
Shadow video BIOS enabled	SW2/switch 3	On
í Factory configured - do not alter	SW2/switch 4	Off
í Shadow system BIOS disabled	SW2/switch 5	Off
Shadow system BIOS enabled	SW2/switch 5	On
í Burst mode enabled	SW2/switch 6	On
Burst mode disabled	SW2/switch 6	Off
í Factory configured - do not alter	SW2/switch 7	On
í Factory configured - do not alter	SW2/switch 8	Off
í CPU speed select switchable from keyboard	W3	pins 1 & 2 closed
CPU speed select slow	W3	pins 2 & 3 closed
í Burst mode enabled	W4 & W5	pins 1 & 2 closed
Burst mode disabled	W4 & W5	pins 2 & 3 closed
í Factory configured - do not alter	W8	pins 1 & 2 closed
í Factory configured - do not alter	W9	pins 2 & 3 closed
í Monitor type select color	W12	pins 2 & 3 closed
Monitor type select monochrome	W12	pins 1 & 2 closed

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(4) 256K x 9	NONE
2MB	(4) 256K x 9	(4) 256K x 9
4MB	(4) 1M x 9	NONE
6MB	(4) 256K x 9	(4) 256K x 9
8MB	(4) 1M x 9	(4) 1M x 9
10MB	(4) 256K x 9	(4) 256K x 9
12MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
24MB	(4) 1M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9

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# TECHNOLOGY POWER ENTERPRISES, INC.

## TP486SX SONIC SERIES

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### MEMORY TYPE CONFIGURATION

SIMM Type	W10 (Bank 0)	W11 (Bank 1)	SW1/switch 7	SW1/switch 8
256K x 9	pins 2 & 3	pins 2 & 3	Off	On
1M x 9	pins 1 & 2	pins 2 & 3	On	Off
4M x 9	pins 1 & 2	pins 1 & 2	Off	On

### CACHE CONFIGURATION

Size	Cache	TAG	SW1/switch 3	SW1/switch 4
64KB	(10) 16K x 4	(1) 16K x 4	Off	Off
256KB	(10) 64K x 4	NONE	On	On

### CPU TYPE CONFIGURATION

Type	SW3/1	SW3/2	SW3/3	SW3/4	SW3/5	SW3/6	SW3/7
80486SX	Off	Off	Off	N/A	On	On	N/A
80487SX	On	On	Off	Off	Off	On	On
80486DX	On	On	On	On	Off	Off	Off

Note: SW3/switch 8 is factory configured and the setting can be either on or Off.