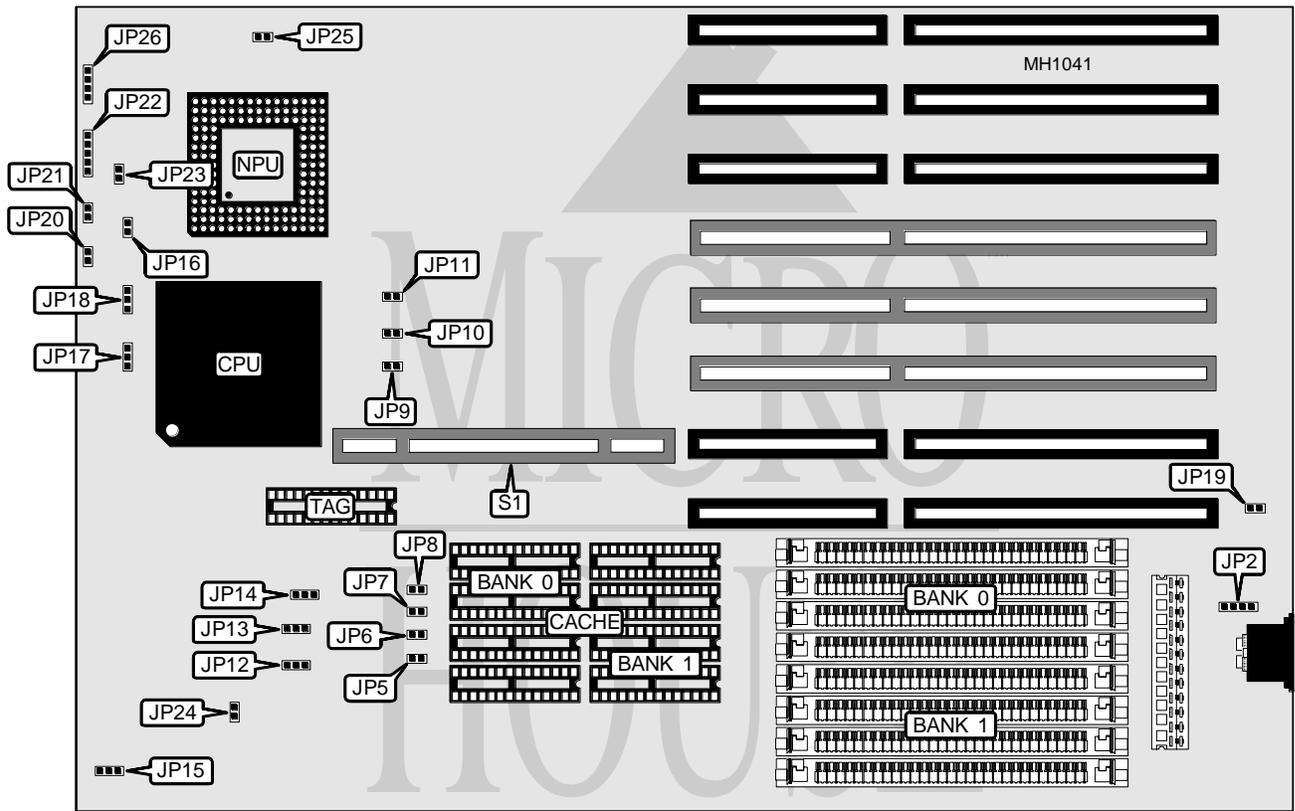# AMPTRON INTERNATIONAL, INC.
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Processor	80486SX/80487SX/80486DX/ODP486SX/80486DX2
Processor Speed	20/25/33/50(internal)/50/66(internal)MHz
Chip Set	Hint
Max. Onboard DRAM	128MB
Cache	64/128/256KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slot
NPU Options	4167

CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	JP2	Turbo LED	JP23
Reset switch	JP20	Speaker	JP26
Turbo switch	JP21	32-bit VESA local bus slot	S1
Power LED & keylock	JP22		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Factory configured - do not alter	JP9	Closed
í CPU speed select ≤ 33MHz	JP10	Open
CPU speed select > 33MHz	JP10	Closed
í VESA bus wait states select 0	JP11	Open
VESA bus wait states select 1	JP11	Closed
í System board frequency select 50MHz	JP15	pins 1 & 2 closed
System board frequency select 33MHz	JP15	pins 2 & 3 closed
í Battery type select internal	JP19	Closed
Battery type select external	JP19	Open
í Factory configured - do not alter	JP24	Closed
í Monitor type select color	JP25	Closed
Monitor type select monochrome	JP25	Open

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
5MB	(4) 256K x 9	(4) 1M x 9
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
17MB	(4) 256K x 9	(4) 4M x 9
20MB	(4) 1M x 9	(4) 4M x 9
32MB	(4) 4M x 9	(4) 4M x 9
64MB	(4) 16M x 9	NONE
65MB	(4) 256K x 9	(4) 16M x 9
68MB	(4) 1M x 9	(4) 16M x 9
80MB	(4) 4M x 9	(4) 16M x 9
128MB	(4) 16M x 9	(4) 16M x 9

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) 32K x 8	(4) 32K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION							
Size	JP5	JP6	JP7	JP8	JP12	JP13	JP14
64KB	Open	Open	Open	Open	1 & 2	1 & 2	1 & 2
128KB	Closed	Open	Open	Closed	2 & 3	2 & 3	1 & 2
256KB	Closed	Closed	Closed	Closed	2 & 3	2 & 3	2 & 3
Note: Pins designated should be in the closed position.							

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CPU TYPE CONFIGURATION			
Type	JP16	JP17	JP18
80486SX	Open	Open	pins 2 & 3 closed
80487SX	Closed	pins 2 & 3 closed	pins 1 & 2 closed
80486DX	Closed	pins 1 & 2 closed	pins 1 & 2 closed
80486DX2	Closed	pins 1 & 2 closed	pins 1 & 2 closed