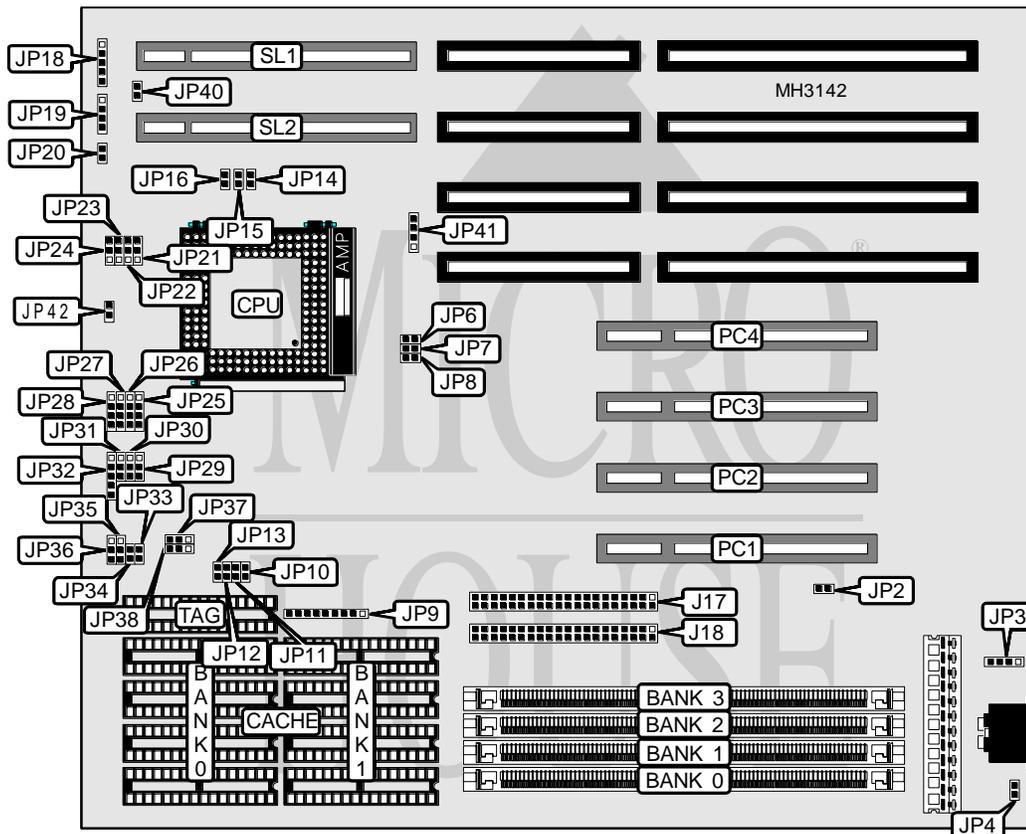


# AMPTRON INTERNATIONAL, INC. DX-92001

<b>Processor</b>	AM486SX/80486SX/SL80486SX/CX486DX/AM486DX/80486DX/SL80486DX/ CX486DX2/AM486DX2/80486DX2/SL80486DX2/AM486DX4/80486DX4
<b>Processor Speed</b>	25/33/40/50(internal)/66(internal)/80(internal)/100(internal)MHz
<b>Chip Set</b>	Unidentified
<b>Max. Onboard DRAM</b>	256MB
<b>Cache</b>	64/128/256/512/1024KB
<b>BIOS</b>	AMI/Award
<b>Dimensions</b>	330mm x 218mm
<b>I/O Options</b>	32-bit VESA local bus slots (2), 32-bit PCI slots (4), green PC connector, IDE interfaces (2)
<b>NPU Options</b>	None



CONNECTIONS			
Purpose	Location	Purpose	Location
IDE interface 2	J17	Speaker	JP19
IDE interface 1	J18	Turbo LED	JP20
Green PC connector	JP4	IDE interface LED	JP40
Turbo switch	JP14	Chassis fan power	JP41
Reset switch	JP15	32-bit PCI slots	PC1 - PC4
Green PC connector	JP16	32-bit VESA local bus slots	SL1 & SL2
Power LED & keylock	JP18		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Factory configured - do not alter	JP2	Open
í Battery type select internal	JP3	pins 2 & 3 closed
í Battery type select external	JP3	Closed
CMOS memory clear	JP3	pins 3 & 4 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
2MB	(1) 512K x 36	NONE	NONE	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
3MB	(1) 512K x 36	(1) 256K x 36	NONE	NONE
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	NONE
3MB	(1) 256K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
4MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	NONE
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 256K x 36			
5MB	(1) 1M x 36	(1) 256K x 36	NONE	NONE
5MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
5MB	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	NONE
6MB	(1) 1M x 36	(1) 512K x 36	NONE	NONE
6MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	NONE
6MB	(1) 512K x 36	(1) 1M x 36	NONE	NONE
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
7MB	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
8MB	(1) 2M x 36	NONE	NONE	NONE
8MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 512K x 36			
9MB	(1) 2M x 36	(1) 256K x 36	NONE	NONE
9MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	NONE
9MB	(1) 256K x 36	(1) 2M x 36	NONE	NONE
10MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	NONE
10MB	(1) 2M x 36	(1) 512K x 36	NONE	NONE
10MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
10MB	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36	NONE
10MB	(1) 512K x 36	(1) 2M x 36	NONE	NONE
11MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
12MB	(1) 2M x 36	(1) 512K x 36	(1) 512K x 36	NONE
12MB	(1) 2M x 36	(1) 1M x 36	NONE	NONE
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
12MB	(1) 1M x 36	(1) 2M x 36	NONE	NONE
13MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
14MB	(1) 2M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
14MB	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 4M x 36	NONE	NONE	NONE
16MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	NONE
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
16MB	(1) 1M x 36			
17MB	(1) 4M x 36	(1) 256K x 36	NONE	NONE
17MB	(1) 256K x 36	(1) 2M x 36	(1) 2M x 36	NONE
17MB	(1) 256K x 36	(1) 4M x 36	NONE	NONE
18MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	NONE
18MB	(1) 4M x 36	(1) 512K x 36	NONE	NONE
18MB	(1) 512K x 36	(1) 2M x 36	(1) 2M x 36	NONE
18MB	(1) 512K x 36	(1) 4M x 36	NONE	NONE
19MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	NONE
20MB	(1) 4M x 36	(1) 1M x 36	NONE	NONE
20MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
20MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	NONE
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
22MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	NONE
24MB	(1) 4M x 36	(1) 2M x 36	NONE	NONE
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	NONE
24MB	(1) 2M x 36	(1) 4M x 36	NONE	NONE
25MB	(1) 256K x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
26MB	(1) 512K x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 8M x 36	NONE	NONE	NONE
32MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	NONE
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 2M x 36			
33MB	(1) 8M x 36	(1) 256K x 36	NONE	NONE
33MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	NONE
33MB	(1) 256K x 36	(1) 8M x 36	NONE	NONE
34MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	NONE
34MB	(1) 8M x 36	(1) 512K x 36	NONE	NONE
34MB	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36	NONE
34MB	(1) 512K x 36	(1) 8M x 36	NONE	NONE
35MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
36MB	(1) 8M x 36	(1) 512K x 36	(1) 512K x 36	NONE

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
36MB	(1) 8M x 36	(1) 1M x 36	NONE	NONE
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE
36MB	(1) 1M x 36	(1) 8M x 36	NONE	NONE
38MB	(1) 8M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
40MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	NONE
40MB	(1) 8M x 36	(1) 2M x 36	NONE	NONE
40MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
40MB	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36	NONE
40MB	(1) 2M x 36	(1) 8M x 36	NONE	NONE
44MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
48MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	NONE
48MB	(1) 8M x 36	(1) 4M x 36	NONE	NONE
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
48MB	(1) 4M x 36	(1) 8M x 36	NONE	NONE
49MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
50MB	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
52MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
56MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
56MB	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	NONE
64MB	(1) 8M x 36	(1) 8M x 36	NONE	NONE
64MB	(1) 4M x 36			
65MB	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36	NONE
65MB	(1) 16M x 36	(1) 256K x 36	NONE	NONE
66MB	(1) 512K x 36	(1) 8M x 36	(1) 8M x 36	NONE
66MB	(1) 16M x 36	(1) 256K x 36	(1) 256K x 36	NONE
66MB	(1) 16M x 36	(1) 512K x 36	NONE	NONE
67MB	(1) 16M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	NONE
68MB	(1) 16M x 36	(1) 512K x 36	(1) 512K x 36	NONE
68MB	(1) 16M x 36	(1) 1M x 36	NONE	NONE
70MB	(1) 16M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
72MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36	NONE
72MB	(1) 16M x 36	(1) 1M x 36	(1) 1M x 36	NONE
72MB	(1) 16M x 36	(1) 2M x 36	NONE	NONE
76MB	(1) 16M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
80MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
80MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	NONE
80MB	(1) 16M x 36	(1) 2M x 36	(1) 2M x 36	NONE
80MB	(1) 16M x 36	(1) 4M x 36	NONE	NONE
88MB	(1) 16M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	NONE
96MB	(1) 16M x 36	(1) 4M x 36	(1) 4M x 36	NONE

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
96MB	(1) 16M x 36	(1) 8M x 36	NONE	NONE
97MB	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
98MB	(1) 512K x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
100MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
104MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
112MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
112MB	(1) 16M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 16M x 36	(1) 8M x 36	(1) 8M x 36	NONE
128MB	(1) 16M x 36	(1) 16M x 36	NONE	NONE
160MB	(1) 16M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
192MB	(1) 16M x 36	(1) 16M x 36	(1) 16M x 36	NONE
256MB	(1) 16M x 36	(1) 16M x 36	(1) 16M x 36	(1) 16M 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 (A)	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
256KB (B)	(4) 64K x 8	NONE	(1) 32K x 8
512KB (A)	(4) 64K x 8	(4) 64K x 8	(1) 32K x 8
512KB (B)	(4) 128K x 8	NONE	(1) 32K x 8
1MB	(4) 128K x 8	(4) 128K x 8	(1) 64K x 8

CACHE JUMPER CONFIGURATION					
Size	JP9	JP10	JP11	JP12	JP13
64KB	Open	Open	Open	Open	Open
128KB	1 & 2, 3 & 4	Open	Open	Open	Closed
256KB (A)	2 & 3, 4 & 5	Open	Open	Closed	Closed
256KB (B)	1 & 2, 3 & 4, 5 & 6	Open	Open	Closed	Closed
512KB (A)	2 & 3, 4 & 5, 6 & 7	Open	Closed	Closed	Closed
512KB (B)	1 & 2, 3 & 4, 5 & 6, 7 & 8	Open	Closed	Closed	Closed
1MB	2 & 3, 4 & 5, 6 & 7, 8 & 9	Closed	Closed	Closed	Closed

Note: Pins designated should be in the closed position.

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CPU TYPE CONFIGURATION					
Type	JP25	JP26	JP27	JP28	JP29
AM486SX	2 & 3	Open	Open	Open	2 & 3
80486SX	2 & 3	Open	Open	Open	2 & 3
SL80486SX	2 & 3	Open	1 & 2	Open	1 & 2
CX486DX	1 & 2, 3 & 4	3 & 4	1 & 2	2 & 3	1 & 2
AM486DX	1 & 2, 3 & 4	3 & 4	Open	Open	2 & 3
80486DX	1 & 2, 3 & 4	3 & 4	Open	Open	2 & 3
SL80486DX	1 & 2, 3 & 4	3 & 4	1 & 2	Open	1 & 2
CX486DX2	1 & 2, 3 & 4	3 & 4	1 & 2	2 & 3	1 & 2
AM486DX2	1 & 2, 3 & 4	3 & 4	Open	Open	2 & 3
80486DX2	1 & 2, 3 & 4	3 & 4	Open	Open	2 & 3
SL80486DX2	1 & 2, 3 & 4	3 & 4	1 & 2	Open	1 & 2
AM486DX4	1 & 2, 3 & 4	3 & 4	Open	Open	2 & 3
80486DX4	1 & 2, 3 & 4	3 & 4	1 & 2	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION (CON'T)					
Type	JP30	JP31	JP32	JP33	JP34
AM486SX	Open	Open	Open	Closed	Open
80486SX	Open	Open	Open	Closed	Open
SL80486SX	1 & 2	Open	2 & 3, 4 & 5	Open	Open
CX486DX	2 & 3	2 & 3	1 & 2, 3 & 4	Open	Open
AM486DX	Open	Open	Open	Closed	Open
80486DX	Open	Open	Open	Closed	Open
SL80486DX	1 & 2	Open	2 & 3, 4 & 5	Open	Open
CX486DX2	2 & 3	2 & 3	1 & 2, 3 & 4	Open	Open
AM486DX2	Open	Open	Open	Closed	Open
80486DX2	Open	Open	Open	Closed	Open
SL80486DX2	1 & 2	Open	2 & 3, 4 & 5	Open	Open
AM486DX4	Open	Open	Open	Closed	Open
80486DX4	1 & 2	Open	2 & 3, 4 & 5	Open	Open

Note: Pins designated should be in the closed position.

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CPU TYPE CONFIGURATION (CON'T)				
Type	JP35	JP36	JP37	JP38
AM486SX	Open	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486SX	Open	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
SL80486SX	Open	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
CX486DX	pins 1 & 2 closed	Open	pins 1 & 2 closed	pins 2 & 3 closed
AM486DX	Open	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486DX	Open	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
SL80486DX	Open	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
CX486DX2	pins 1 & 2 closed	Open	pins 1 & 2 closed	pins 2 & 3 closed
AM486DX2	Open	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486DX2	Open	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
SL80486DX2	Open	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
AM486DX4	Open	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486DX4	Open	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed

CPU SPEED CONFIGURATION			
Speed	JP6	JP7	JP8
25MHz	Open	Open	Closed
33MHz	Closed	Closed	Closed
40MHz	Open	Closed	Closed
50iMHz	Open	Open	Closed
66iMHz	Closed	Closed	Closed
80iMHz	Open	Closed	Closed
100iMHz	Closed	Closed	Closed

CPU VOLTAGE CONFIGURATION					
Voltage	JP21	JP22	JP23	JP24	JP42
3.3v	1 & 2	1 & 2	1 & 2	1 & 2	Closed
4v	1 & 2	1 & 2	1 & 2	1 & 2	Open
5v	2 & 3	2 & 3	2 & 3	2 & 3	N/A

Note: Pins designated should be in the closed position.