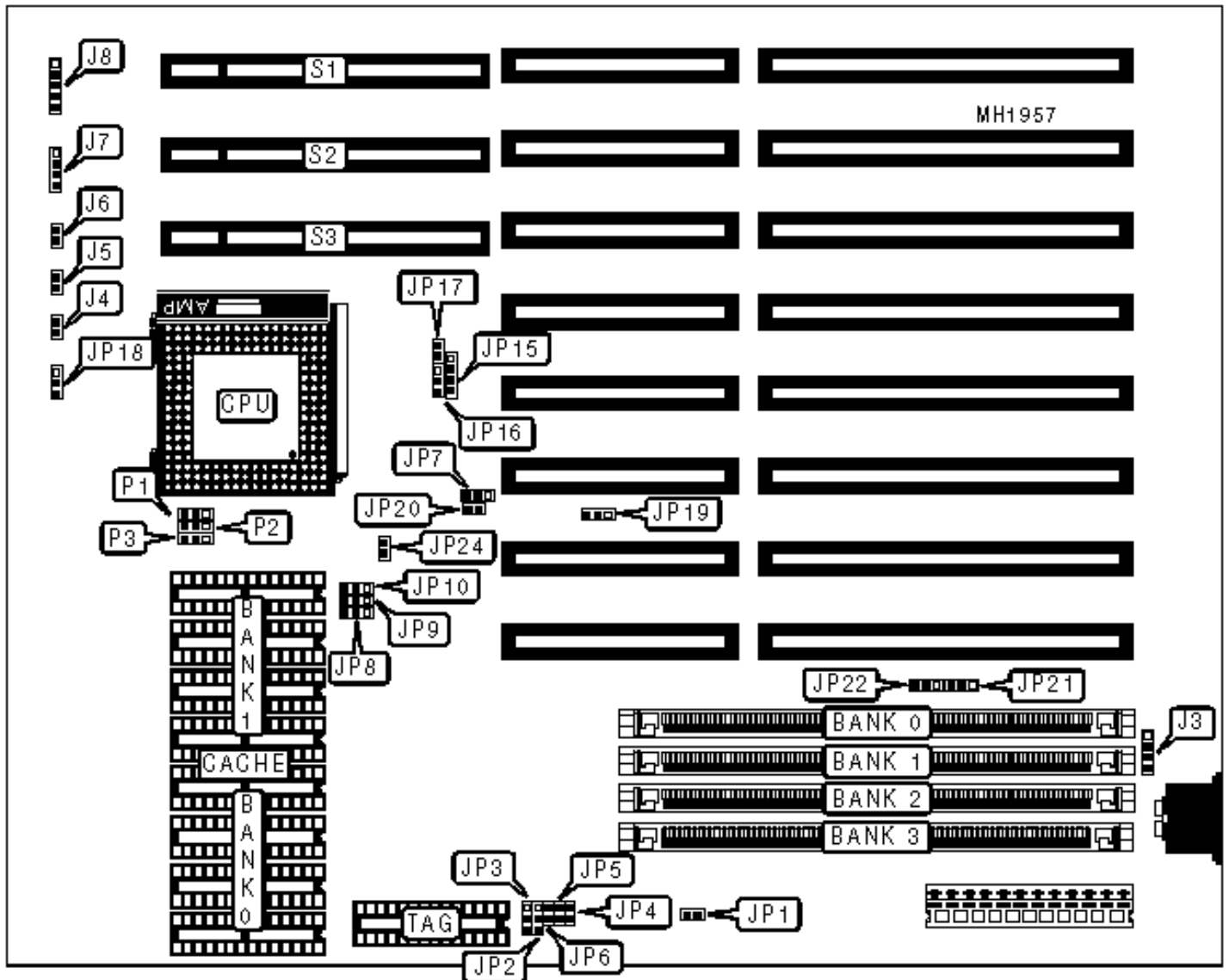


AMPTRON INTERNATIONAL, INC.

DX-6800K

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
External battery	J3	Power LED & keylock	J8
Reset switch	J4	32-bit VESA Local bus slot	S1
Turbo switch	J5	32-bit VESA Local bus slot	S2
Turbo LED	J6	32-bit VESA Local bus slot	S3
Speaker	J7		

USER CONFIGURABLE SETTINGS

Function	Jumper	Position
» CMOS memory normal operation	JP1	Open
CMOS memory clear	JP1	Closed
» Address strobe operation normal	JP7	pins 1 & 2 closed
Address strobe delay	JP7	pins 2 & 3 closed
» Graphic controller Weitek Power 9000 not installed	JP19	pins 1 & 2 closed
Graphic controller Weitek Power 9000 installed	JP19	pins 2 & 3 closed
» Factory configured - do not alter	JP20	Open
» Double sided (double RAS) SIMM module installed	JP21 & JP22	pins 1 & 2 closed
16M x 36 (four RAS) SIMM module installed	JP21 & JP22	pins 2 & 3 closed
» Factory configured - do not alter	JP24	Open

Note: 16M x 36 can only be installed in bank 0.

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

2MB	(1) 512K x 36	NONE	NONE	NONE
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 512K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	NONE
7MB	(1) 256K x 36	(1) 512K x 36	(1) 1M 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
8MB	(1) 2M x 36	NONE	NONE	NONE
9MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	NONE
9MB	(1) 2M x 36	(1) 256K x 36	NONE	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	
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) 2M x 36	(1) 2M x 36	NONE	NONE
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

32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 8M x 36	NONE	NONE	NONE

DRAM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2	Bank 3
33MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	NONE
33MB	(1) 8M x 36	(1) 256K x 36	NONE	NONE
34MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
34MB	(1) 8M x 36	(1) 512K x 36	NONE	NONE
36MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	NONE
36MB	(1) 8M x 36	(1) 1M x 36	NONE	NONE
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
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 8M x 36	NONE	NONE
64MB	(1) 16M x 36	NONE	NONE	NONE

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

CPU TYPE CONFIGURATION

Type	JP15	JP16	JP17
486SX	pins 2 & 3 closed	Open	Open

487SX	pins 1 & 2, 3 & 4 closed	pins 2 & 3 closed	Open
486DX	pins 1 & 2, 3 & 4 closed	pins 1 & 2 closed	Open
Cx486DX2	pins 1 & 2, 3 & 4 closed	pins 1 & 2 closed	Closed
486DX2	pins 1 & 2, 3 & 4 closed	pins 1 & 2 closed	Open
486DX4	pins 1 & 2, 3 & 4 closed	pins 1 & 2 closed	Open

CPU SPEED CONFIGURATION

CPU clock	CPU frequency	JP8	JP9	JP10
25MHz	25, 50i, 75iMHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
33MHz	33, 66i, 100iMHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
40MHz	40MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
50MHz	50, 100iMHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed

CPU VOLTAGE CONFIGURATION

Select	P1	P2	P3
5V (for all other CPUs)	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
3.3V (for 80486DX4)	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed

80486DX4 CONFIGURATION

CPU Clock	Multiplier	Frequency	JP18
25MHz	3	75iMHz	Open
33MHz	3	100iMHz	Open
50MHz	2	100iMHz	pins 2 & 3 closed

Note: If using a CPU other than a 80486DX4, the settings for JP18 are do not matter.

CACHE JUMPER CONFIGURATION

Size	JP2	JP3	JP4	JP5	JP6
64KB	pins 1 & 2	pins 1 & 2	Open	Open	Closed
128KB	pins 2 & 3	pins 2 & 3	Open	Closed	Closed
256KB	pins 1 & 2	pins 1 & 2	Closed	Closed	Closed

VESA CPU TYPE (ID0 & ID1) CONFIGURATION		
CPU speed	JP13 (ID2)	JP14 (ID3)
< or = 33MHz	Closed	Open
> 33MHz	Open	Closed