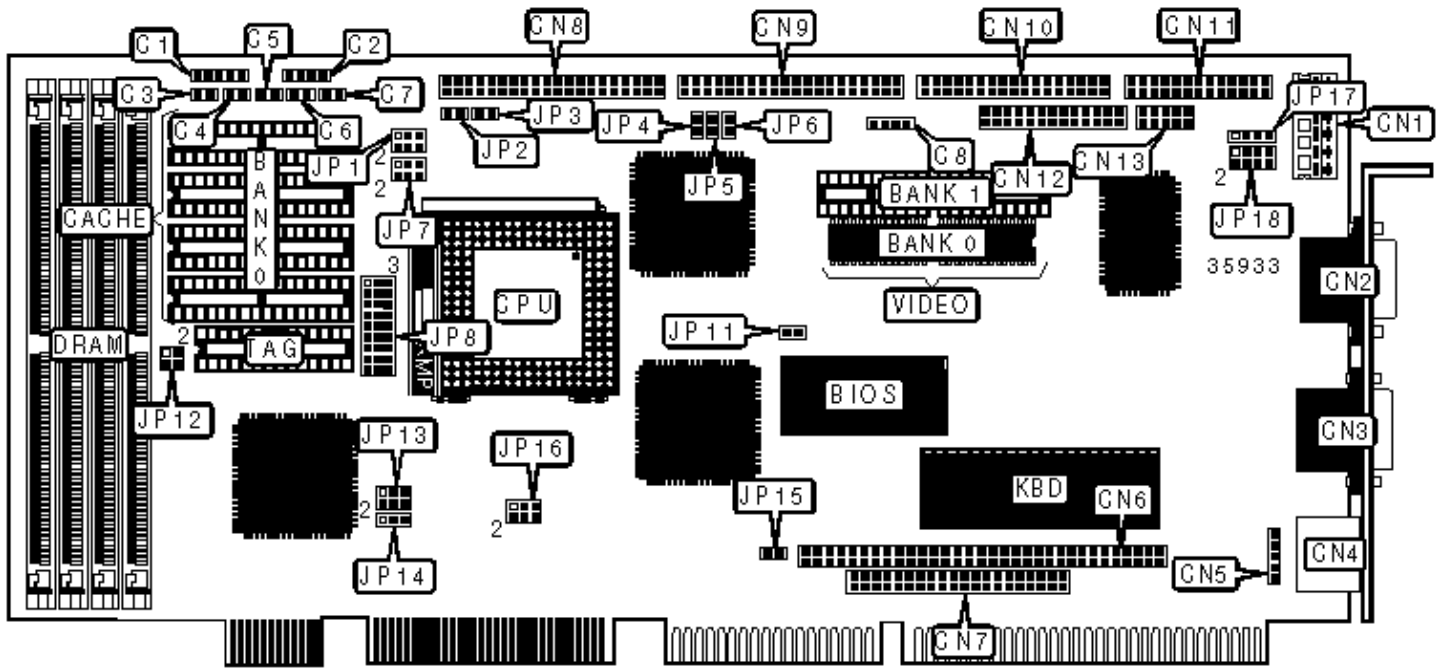


AAEON TECHNOLOGY, INC.

SBC-490

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
Power LED & keylock	C1	Auxiliary keyboard connector	CN5
Speaker	C2	PC/104 connector	CN6
Reset switch	C3	PC/104 connector	CN7
Green PC connector	C4	IDE interface 2	CN8
Green PC connector	C5	IDE interface 1	CN9
Turbo LED	C6	Floppy drive interface	CN10
Turbo switch	C7	Parallel port	CN11
CPU fan power	C8	VGA feature connector	CN12
Power connector	CN1	Serial port 2	CN13
Serial port 1	CN2	IDE interface LED	JP2
VGA port	CN3	IDE interface LED	JP3
PS/2 mouse port	CN4	IR connector	JP17

USER CONFIGURABLE SETTINGS

Function	Label	Position
Flash BIOS write protect enabled	JP11	Closed
Flash BIOS write protect disabled	JP11	Open
» CMOS memory normal operation	JP15	Open
CMOS memory clear	JP15	Closed

SIMM 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

3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	None
4MB	(1) 1M x 36	None	None	None
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
5MB	(1) 1M x 36	(1) 256K x 36	None	None
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	None
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
8MB	(1) 2M x 36	None	None	None
8MB	(1) 1M x 36	(1) 1M x 36	None	None
9MB	(1) 2M x 36	(1) 256K x 36	None	None
10MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	None
11MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
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
12MB	(1) 1M x 36	(1) 2M x 36	None	None
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	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36

SIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2	Bank 3
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
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
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	None

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
34MB	(1) 8M x 36	(1) 512K 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
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
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
56MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M 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	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
80MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	None
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION

Size	Bank 0	TAG
128KB	(4) 32K x 8	(1) 32K x 8
256KB	(4) 64K x 8	(1) 32K x 8
512KB	(4) 128K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION

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Size	JP12
128KB	Open
256KB	Pins 1 & 2 closed
512KB	Pins 1 & 2, 3 & 4 closed

VIDEO MEMORY CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(2) 256K x 16	None
2MB	(2) 256K x 16	(2) 256K x 16

CPU SPEED SELECTION		
Speed	JP13	JP14
25MHz	Open	Pins 1 & 2 closed
33MHz	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed
40MHz	Pins 3 & 4, 5 & 6 closed	Pins 2 & 3 closed
50iMHz	Open	Pins 1 & 2 closed
50MHz	Pins 1 & 2, 5 & 6 closed	Pins 2 & 3 closed
66iMHz	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed
75iMHz	Open	Pins 1 & 2 closed
100iMHz	Pins 1 & 2, 3 & 4 closed	Pins 1 & 2 closed

CPU TYPE SELECTION	
Type	JP8
80486SX	1 & 2, 19 & 20, 23 & 24, 25 & 26
SL80486SX	1 & 4, 2 & 5, 7 & 10, 8 & 9, 14 & 17, 15 & 18, 19 & 20, 22 & 23, 26 & 27
80486DX	1 & 2, 18 & 21, 19 & 20, 22 & 23, 25 & 26

CX486DX2	1 & 4, 2 & 3, 5 & 8, 7 & 10, 11 & 14, 18 & 21, 22 & 23, 25 & 26
SGS486DX2	1 & 4, 2 & 3, 5 & 8, 7 & 10, 11 & 14, 18 & 21, 22 & 23, 25 & 26
TI486DX2	1 & 4, 2 & 3, 5 & 8, 7 & 10, 11 & 14, 18 & 21, 22 & 23, 25 & 26
IBM486DX2	1 & 4, 2 & 3, 5 & 8, 7 & 10, 11 & 14, 18 & 21, 22 & 23, 25 & 26
80486DX2	1 & 2, 18 & 21, 19 & 20, 22 & 23, 25 & 26
AM486DX4	1 & 2, 3 & 6, 13 & 16, 18 & 21, 19 & 20, 22 & 23, 25 & 26
(SL)AM486DX4	1 & 4, 2 & 5, 8 & 9, 10 & 11, 14 & 17, 18 & 21, 19 & 20, 22 & 23, 26 & 27
P24D	1 & 4, 2 & 5, 8 & 9, 10 & 11, 14 & 17, 18 & 21, 19 & 20, 22 & 23, 26 & 27
P24T	1 & 4, 2 & 5, 7 & 10, 8 & 9, 14 & 17, 15 & 18, 19 & 20, 22 & 23, 26 & 27
CX 5X86	1 & 4, 2 & 5, 8 & 9, 10 & 11, 14 & 17, 18 & 21, 19 & 20, 22 & 23, 25 & 26
IBM 5X86	1 & 4, 2 & 5, 8 & 9, 10 & 11, 14 & 17, 18 & 21, 19 & 20, 22 & 23, 25 & 26
SGS 5X86	1 & 4, 2 & 5, 8 & 9, 10 & 11, 14 & 17, 18 & 21, 19 & 20, 22 & 23, 25 & 26
CX MISC	1 & 4, 2 & 5, 8 & 9, 10 & 11, 14 & 17, 18 & 21, 19 & 20, 23 & 24, 25 & 26
AM X5-133/150	1 & 4, 2 & 5, 8 & 9, 10 & 11, 13, & 16, 14 & 17, 18 & 21, 19 & 20, 22 & 23, 26 & 27
AM X5-160	1 & 2, 18 & 21, 19 & 20, 22 & 23, 25 & 26
AM DE2	1 & 2, 18 & 21, 19 & 20, 22 & 23, 25 & 26

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION

Voltage	JP1	JP7
3.3v	Pins 1 & 3, 2 & 4 closed	Pins 1 & 3 closed
3.45v	Pins 1 & 3, 2 & 4 closed	Pins 4 & 6 closed
3.6v	Pins 1 & 3, 2 & 4 closed	Pins 3 & 5 closed
4v	Pins 3 & 5, 4 & 6 closed	Open
5v	Pins 1 & 3, 2 & 4 closed	Pins 2 & 4 closed

SERIAL PORT 1 INTERRUPT SELECTION

Serial port 1	Serial port 2	JP18
IRQ3	IRQ4	Pins 1 & 2, 3 & 4 closed
IRQ4	IRQ3	Pins 1 & 3, 2 & 4 closed
IRQ11	IRQ10	Pins 5 & 7, 6 & 8 closed
IRQ10	IRQ11	Pins 5 & 6, 7 & 8 closed
IRQ4	IRQ10	Pins 1 & 3, 7 & 8 closed
IRQ4	IRQ11	Pins 1 & 3, 6 & 8 closed
IRQ3	IRQ10	Pins 1 & 2, 7 & 8 closed
IRQ3	IRQ11	Pins 1 & 2, 5 & 7 closed
IRQ11	IRQ3	Pins 2 & 4, 5 & 6 closed
IRQ11	IRQ4	Pins 3 & 4, 5 & 6 closed
IRQ10	IRQ3	Pins 2 & 4, 5 & 7 closed
IRQ10	IRQ4	Pins 3 & 4, 5 & 7 closed

ON BOARD VGA SELECTION

Setting	JP4	JP5	JP6
Enabled	Closed	Closed	Closed
Disabled	Open	Open	Open

WATCHDOG TIMER SELECTION

Setting	JP16
Disabled	Open
Reset	Pins 5 & 6 closed
IRQ15	Pins 3 & 4 closed
NMI	Pins 1 & 2 closed

