ADVANTECH CO., LTD.

PCM-4862

Configuration
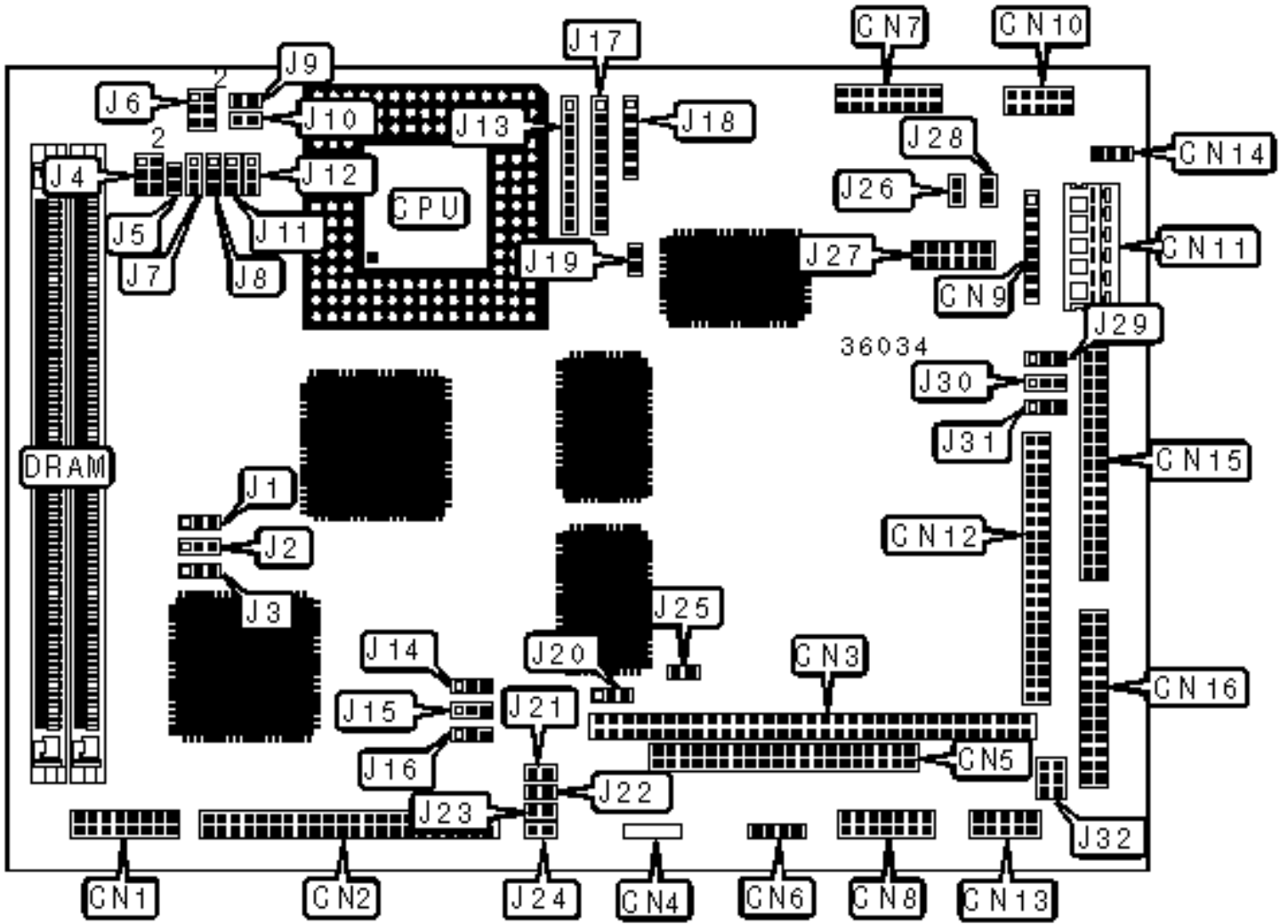
CONNECTIONS

Purpose	Location	Purpose	Location
VGA interface	CN1	Ethernet 10BaseT connector	CN10
Flat panel connector	CN2	Speaker	CN11
PC/104 connector	CN3	IDE interface	CN12
Front panel connector	CN4	Serial port 1	CN13
PC/104 connector	CN5	Chassis fan power	CN14
Power connector	CN6	Floppy drive interface	CN15
Ethernet 10Base2/5 connector	CN7	Parallel port	CN16
Serial port 2	CN8	Ethernet LED	J26
PS/2 mouse, keyboard interface	CN9		

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	CMOS memory normal operation	J14	Pins 1 & 2 closed
	CMOS memory clear	J14	Pins 2 & 3 closed
»	Parallel port IRQ select IRQ7	J20	Pins 2 & 3 closed
	Parallel port IRQ select IRQ5	J20	Pins 1 & 2 closed
	Buzzer enabled	J21	Closed
	Buzzer disabled	J21	Open
»	Factory configured - do not alter	J22	Unidentified
»	Factory configured - do not alter	J25	Unidentified
»	Factory configured - do not alter	J28	Unidentified
»	SSD enabled	J29	Pins 2 & 3 closed
	SSD disabled	J29	Pins 1 & 2 closed

SIMM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(1) 256K x 36	None
2MB	(1) 512K x 36	None
2MB	(1) 256K x 36	(1) 256K x 36
3MB	(1) 512K x 36	(1) 256K x 36
4MB	(1) 1M x 36	None
4MB	(1) 512K x 36	(1) 512K x 36
5MB	(1) 1M x 36	(1) 256K x 36
6MB	(1) 1M x 36	(1) 512K x 36
8MB	(1) 2M x 36	None
8MB	(1) 1M x 36	(1) 1M x 36
9MB	(1) 2M x 36	(1) 256K x 36
10MB	(1) 2M x 36	(1) 512K x 36
12MB	(1) 2M x 36	(1) 1M x 36
16MB	(1) 4M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36
17MB	(1) 4M x 36	(1) 256K x 36

SIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
18MB	(1) 4M x 36	(1) 512K x 36
20MB	(1) 4M x 36	(1) 1M x 36
24MB	(1) 4M x 36	(1) 2M x 36
32MB	(1) 8M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36

33MB	(1) 8M x 36	(1) 256K x 36
34MB	(1) 8M x 36	(1) 512K x 36
36MB	(1) 8M x 36	(1) 1M x 36
40MB	(1) 8M x 36	(1) 2M x 36
48MB	(1) 8M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION

Note: The location of the cache is unidentified.

VIDEO MEMORY CONFIGURATION

Note: The location of the video memory is unidentified.

CPU SPEED SELECTION

Speed	J1	J2	J3
25MHz	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
33MHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
40MHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
50iMHz	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
66iMHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
75iMHz	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
80iMHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
100iMHz	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
120iMHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU TYPE SELECTION

Type	J5	J7	J8	J9
80486DX	Closed	1 & 2	1 & 2	Open
CX 486DX2	Closed	1 & 2	1 & 2	Open
TI 486DX2	Closed	1 & 2	1 & 2	Open
SGS 486DX2	Closed	1 & 2	1 & 2	Open
AM 486DX2	Closed	1 & 2	1 & 2	Open
80486DX2	Closed	1 & 2	1 & 2	Open
CX 486DX4	Closed	1 & 2	1 & 2	Open
IBM 486DX4	Closed	1 & 2	1 & 2	Open
AM 486DX4-100	Closed	1 & 2	1 & 2	Open
AM 486DX4-120	Closed	1 & 2	1 & 2	Open
80486DX4	Closed	1 & 2	1 & 2	Open
CX 5X86	Closed	1 & 2	1 & 2	Open
AM 5X86	Closed	1 & 2	1 & 2	Open
Note: Pins designated should be in the closed position.				

CPU TYPE SELECTION (CON'T)				
Type	J10	J11	J12	J13
80486DX	Open	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
CX 486DX2	Open	1 & 2	1 & 2	Open
TI 486DX2	Open	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
SGS 486DX2	Open	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
AM 486DX2	Open	1 & 2	1 & 2	Open
80486DX2	Open	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
CX 486DX4	Open	1 & 2	1 & 2	Open
IBM 486DX4	Open	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10

Type				
AM 486DX4-100	Open	1 & 2	1 & 2	Open
AM 486DX4-120	Open	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
80486DX4	Open	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
CX 5X86	Open	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
AM 5X86	Open	1 & 2	1 & 2	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10
Note: Pins designated should be in the closed position.				

CPU TYPE SELECTION (CON'T)			
Type	J17	J18	J19
80486DX	Open	Open	Open
CX 486DX2	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open	Open
TI 486DX2	Open	Open	Open
SGS 486DX2	Open	Open	Closed
AM 486DX2	Open	1 & 2, 3 & 4, 5 & 6	Open
80486DX2	Open	Open	Open
CX 486DX4	1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10	Open	Open
IBM 486DX4	Open	Open	Open
AM 486DX4-100	Open	1 & 2, 3 & 4, 5 & 6	Open
AM 486DX4-120	Open	Open	Open
80486DX4	Open	Open	Open
CX 5X86	Open	Open	Closed
AM 5X86	Open	Open	Closed
Note: Pins designated should be in the closed position.			

CPU VOLTAGE SELECTION		
Voltage	J4	J6

»	3.3v	Pins 1 & 3, 2 & 4 closed	Pins 1 & 2 closed
	3.45v	Pins 1 & 3, 2 & 4 closed	Pins 3 & 4 closed
	3.6v	Pins 1 & 3, 2 & 4 closed	Pins 5 & 6 closed
	5v	Pins 3 & 5, 4 & 6 closed	Open

DMA CHANNEL SELECTION

	Channel	J15	J16
»	1	Pins 1 & 2 closed	Pins 1 & 2 closed
	3	Pins 2 & 3 closed	Pins 2 & 3 closed

SERIAL PORT 2 SELECTION

	Setting	J32
»	RS-232	Pins 1 & 2 closed
	RS-422	Pins 3 & 4 closed
	RS-485	Pins 5 & 6 closed

WATCHDOG TIMER SELECTION

Setting	J23	J24
System reset	Open	Closed
IRQ15	Closed	Open

SSD SELECTION

Device	360KB	720KB	1.2MB	1.44MB	J30	J31
ROM	512K x 1	512K x 2	512K x 3	512K x 3	1 & 2	1 & 2
ROM	128K x 3	None	None	None	2 & 3	1 & 2
Flash	128K x 3	None	None	None	2 & 3	2 & 3

Flash	512K x 1	512K x 2	512K x 3	512K x 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.						

SSD ADDERESS SELECTION

	Address	J27/pins 5 & 6	J27/pins 7 & 8
»	D6000 – D7FFF	Open	Closed
	DE000 – DFFFF	Closed	Open
	Disabled	Open	Open

I/O ADDERESS SELECTION

	Address	J27/pins 1 & 2	J27/pins 3 & 4
»	204	Closed	Closed
	284	Open	Closed
	244	Closed	Open
	2C4	Open	Open

SSD DRIVE SELECTION

	Drive	J27/pins 9 & 10	J27/pins 11 & 12
	1	Closed	Closed
	2	Closed	Open
»	3	Open	Closed
	4	Open	Open