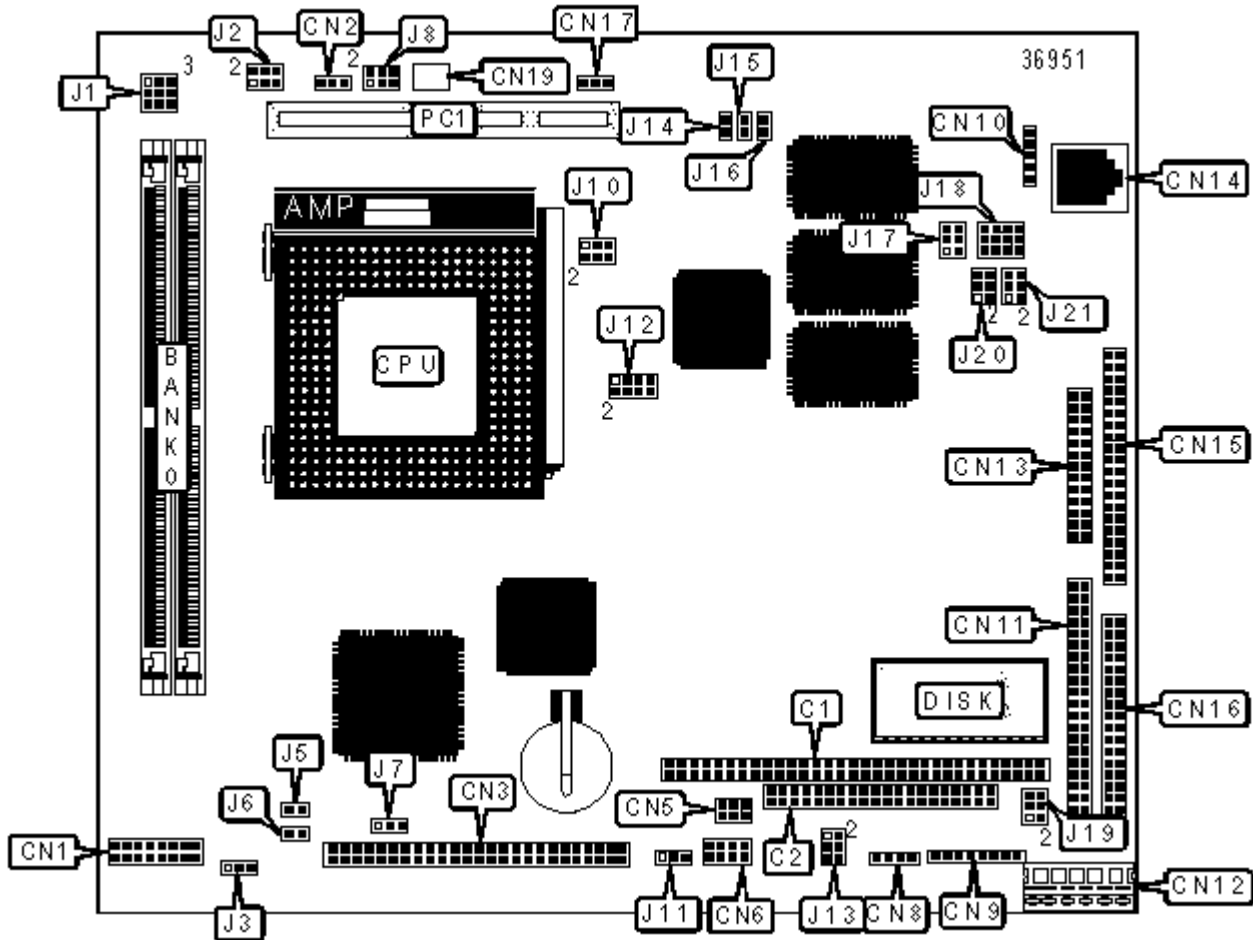# AAEON TECHNOLOGY, INC.

PCM-5892

Device Type	Single board computer
Processor	CX 6X86MX/IBM 6X86MX/SGS 6X86/AM K5/AM K6/IDT C6/Pentium/Pentium MMX
Processor Speed	75/90/100/120/133/150/166/180/200/233MHz
Chip Set	SIS
Video Chip Set	Chips and Technology
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	2MB
Cache	512KB
BIOS	Award
Dimensions	203mm x 146mm
I/O Options	32-bit PCI slot, Ethernet 10/100BaseT connector, floppy drive interface, IDE interface, parallel port, PS/2 mouse interface, serial ports (2), VGA port, IR connector, USB connector
Data Bus	PC/104 (16-bit)

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
PC/104 connector (8-bit)	C1	5v power	CN12
PC/104 connector (16-bit)	C2	Parallel port	CN13

VGA port	CN1	Ethernet 10/100BaseT connector	CN14
Chassis fan power	CN2	Serial port	CN15
Flat panel connector	CN3	Floppy drive interface	CN16
USB interface	CN5	Chassis fan power	CN17
Front panel connector	CN6	Auxilliary power	CN19
-5v power	CN8	TX LED	J14
PS/2 mouse/keyboard interface	CN9	RX LED	J15
IR connector	CN10	LINK LED	J16
IDE interface	CN11	32-bit PCI slots	PC1

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
» Factory configured - do not alter	J1	Pins 2 & 3, 5 & 6, 7 & 8 closed
» CMOS memory normal operation	J7	Pins 1 & 2 closed
CMOS memory clear	J7	Pins 2 & 3 closed

SIMM CONFIGURATION	
Size	**Bank 0**
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36

VIDEO MEMORY CONFIGURATION
Note: The settings for the internal VGA are factory configured.

CPU SPEED SELECTION (CX 6X86MX)				
CPU speed	**Clock speed**	**Multiplier**	**J2**	**J8**

166MHz	66MHz	2x	Open	1 & 2
166MHz	60MHz	2.5x	1 & 2	1 & 2, 3 & 4
200MHz	75MHz	2x	3 & 4, 5 & 6	1 & 2
200MHz	66MHz	2.5x	Open	1 & 2, 3 & 4
233MHz	75MHz	2.5x	3 & 4, 5 & 6	1 & 2, 3 & 4
233MHz	75MHz	3x	3 & 4, 5 & 6	3 & 4
266MHz	66MHz	3x	Open	3 & 4
266MHz	66MHz	3.5x	Open	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)				
CPU speed	**Clock speed**	**Multiplier**	**J2**	**J8**
166MHz	66MHz	2x	Open	1 & 2
166MHz	60MHz	2.5x	1 & 2	1 & 2, 3 & 4
200MHz	75MHz	2x	3 & 4, 5 & 6	1 & 2
200MHz	66MHz	2.5x	Open	1 & 2, 3 & 4
233MHz	75MHz	2.5x	3 & 4, 5 & 6	1 & 2, 3 & 4
233MHz	75MHz	3x	3 & 4, 5 & 6	3 & 4
266MHz	66MHz	3x	Open	3 & 4
266MHz	66MHz	3.5x	Open	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)				
CPU speed	**Clock speed**	**Multiplier**	**J2**	**J8**
75MHz	50MHz	1.5x	3 & 4	Open
90MHz	60MHz	1.5x	1 & 2	Open
100MHz	66MHz	1.5x	Open	Open
120MHz	60MHz	2x	1 & 2	Open
133MHz	66MHz	2x	Open	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)				
CPU speed	**Clock speed**	**Multiplier**	**J2**	**J8**
166MHz	66MHz	2.5x	Open	1 & 2, 3 & 4
200MHz	66MHz	3x	Open	3 & 4
233MHz	66MHz	3.5x	Open	Open
266MHz	66MHz	4x	Open	1 & 2, 5 & 6
300MHz	66MHz	4.5x	Open	1 & 2, 3 & 4, 5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)				
CPU speed	**Clock speed**	**Multiplier**	**J2**	**J8**
75MHz	50MHz	1.5x	5 & 6	Open
90MHz	60MHz	1.5x	1 & 2	Open
100MHz	66MHz	1.5x	Open	Open
120MHz	60MHz	2x	1 & 2	1 & 2
133MHz	66MHz	2x	Open	1 & 2
150MHz	60MHz	2.5x	1 & 2	1 & 2, 3 & 4
166MHz	66MHz	2.5x	Open	1 & 2, 3 & 4
200MHz	66MHz	3x	Open	3 & 4

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)				
CPU speed	**Clock speed**	**Multiplier**	**J2**	**J8**
150MHz	60MHz	2.5x	1 & 2	1 & 2, 3 & 4
166MHz	66MHz	2.5x	Open	1 & 2, 3 & 4
200MHz	66MHz	3x	Open	3 & 4
233MHz	66MHz	3.5x	Open	Open

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION	
Type	**J10**
» Dual voltage	Pins 3 & 5, 4 & 6 closed
Single voltage	Pins 1 & 3, 2 & 4 closed

CPU VOLTAGE SELECTION	
Voltage	**J12**
2.1v	Open
2.2v	Pins 1 & 2 closed
2.3v	Pins 3 & 4 closed
2.4v	Pins 1 & 2, 3 & 4 closed
2.5v	Pins 5 & 6 closed
2.6v	Pins 1 & 2, 5 & 6 closed
2.7v	Pins 3 & 4, 5 & 6 closed
» 2.8v	Pins 1 & 2, 3 & 4, 5 & 6 closed
2.9v	Pins 7 & 8 closed
3.0v	Pins 1 & 2, 7 & 8 closed
3.1v	Pins 3 & 4, 7 & 8 closed
3.2v	Pins 1 & 2, 3 & 4, 7 & 8 closed
3.3v	Pins 5 & 6, 7 & 8 closed
3.4v	Pins 1 & 2, 5 & 6, 7 & 8 closed
3.5v	Pins 3 & 4, 5 & 6, 7 & 8 closed
3.6v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed

SERIAL PORT 3 & 4 RI SELECTION

	Setting	J20	J21
»	RI	Pins 5 & 6 closed	Pins 5 & 6 closed
	5v	Pins 3 & 4 closed	Pins 3 & 4 closed
	12v	Pins 1 & 2 closed	Pins 1 & 2 closed

SERIAL PORT INTERRUPT SELECTION		
COM	IRQ	J19
» COM3	IRQ5	Pins 2 & 4, 3 & 5 closed
COM4	IRQ10	Pins 2 & 4, 3 & 5 closed
COM3	IRQ10	Pins 1 & 3, 4 & 6 closed
COM4	IRQ5	Pins 1 & 3, 4 & 6 closed

SERIAL PORT SELECTION		
Type	J17	J18
» RS-232	Pins 1 & 2 closed	Pins 1 & 2, 4 & 5, 7 & 8, 10 & 11 closed
RS-422	Pins 3 & 4 closed	Pins 2 & 3, 5 & 6, 8 & 9, 11 & 12 closed
RS-485	Pins 5 & 6 closed	Pins 2 & 3, 5 & 6, 8 & 9, 11 & 12 closed

LCD VOLTAGE SELECTION		
Voltage	J3	J11
» 5v	Pins 1 & 2 closed	Pins 1 & 2 closed
3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed

LCD SIGNAL SELECT		
Signal	J5	J6
SHF clock	Closed	Open
ASHF clock	Open	Closed

DISK ADDRESS SELECTION		
	Address	**J13**
»	DC00	Pins 5 & 6 closed
	D800	Pins 1 & 2, 3 & 4 closed
	D400	Pins 3 & 4 closed
	D000	Pins 1 & 2 closed
	CC00	Open
	Disabled	Pins 1 & 2, 3 & 4, 5 & 6 closed