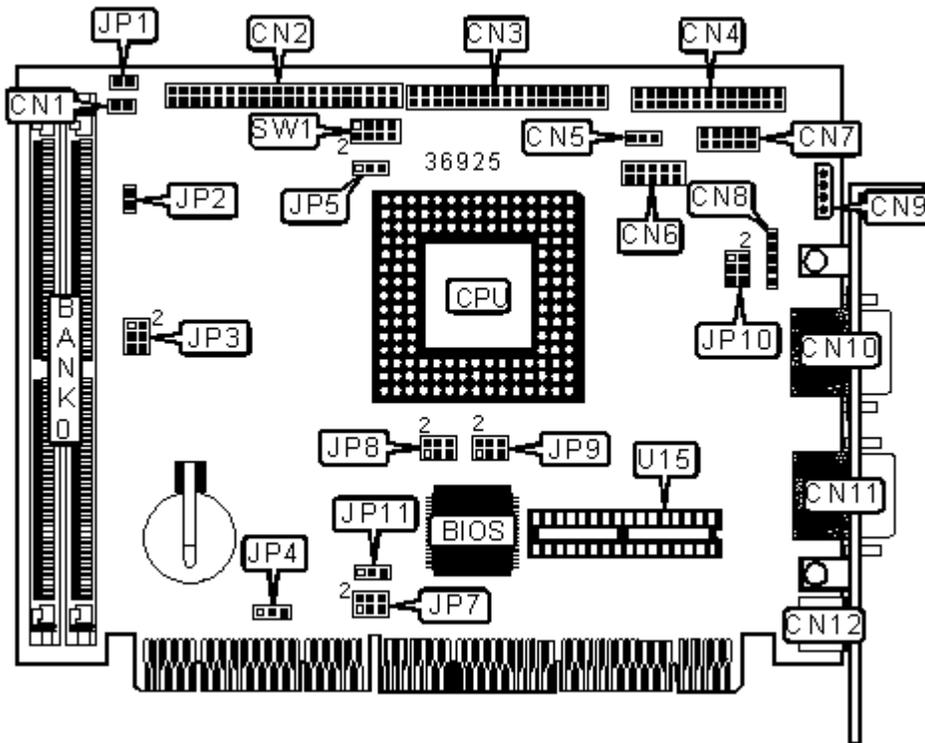


AAEON TECHNOLOGY, INC.

SBC-551

Device Type	Single board computer
Processor	CX 6X86L/CX 6X86MX/IBM CX86MX/AM K5/AM K6/IDT C6/Pentium/Pentium MMX
Processor Speed	75/90/100/120/133/150/166/200/233/266MHz
Chip Set	SIS
Video Chip Set	SIS
Maximum Onboard Memory	128MB (EDO supported) Unified Memory Architecture (UMA)
Cache	512KB
BIOS	Award
Dimensions	185mm x 122mm
I/O Options	Floppy drive interface, IDE interface, parallel port, PS/2 mouse/keyboard port, serial port, serial interface, VGA port, IR connector, USB interfaces (2), DiskOnChip socket
Data Bus	32-bit PCI/16-bit ISA



CONNECTIONS

Purpose	Location	Purpose	Location
IDE interface LED	CN1	Power connector	CN9
IDE interface	CN2	Serial port	CN10
Floppy drive interface	CN3	VGA port	CN11
Parallel port	CN4	PS/2 mouse/keyboard port	CN12
CPU fan power	CN5	Reset switch	JP1
USB interface	CN6	Thermal alarm LED	JP2

Serial interface	CN7	DiskOnChip socket	U15
IR connector	CN8		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	On-board video enabled	JP3	Pins 1 & 3, 2 & 4 closed
	On-board video disabled	JP3	Pins 3 & 5, 4 & 6 closed
»	CMOS memory normal operation	JP4	Pins 1 & 2 closed
	CMOS memory clear	JP4	Pins 2 & 3 closed
»	CPU type dual voltage	JP5	Pins 1 & 2 closed
	CPU type single voltage	JP5	Pins 2 & 3 closed
	PS/2 mouse enabled	JP11	Pins 1 & 2 closed
	PS/2 mouse disabled	JP11	Pins 2 & 3 closed

SIMM CONFIGURATION

Size	Bank 0
4MB	(2) 512K x 36
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

Note: Board accepts EDO memory.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6	JP8/Pins 1 & 2	JP8/Pins 3 & 4	JP8/Pins 5 & 6
166MHz	66MHz	2x	Closed	Open	Closed	Open	Open	Closed
166MHz	60MHz	2.5x	Open	Closed	Closed	Open	Closed	Closed

200MHz	66MHz	2.5x	Closed	Open	Closed	Open	Closed	Closed
233MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open
266MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6	JP8/Pins 1 & 2	JP8/Pins 3 & 4	JP8/Pins 5 & 6
75MHz	50MHz	1.5x	Closed	Closed	Closed	Open	Open	Open
90MHz	60MHz	1.5x	Open	Closed	Closed	Open	Open	Open
100MHz	66MHz	1.5x	Closed	Open	Closed	Open	Open	Open
120MHz	60MHz	1.5x	Open	Closed	Closed	Open	Open	Open
133MHz	66MHz	1.5x	Closed	Open	Closed	Open	Open	Open

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6	JP8/Pins 1 & 2	JP8/Pins 3 & 4	JP8/Pins 5 & 6
166MHz	66MHz	2.5x	Closed	Open	Closed	Open	Closed	Closed
200MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open
233MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open
266MHz	66MHz	4x	Closed	Open	Closed	Closed	Open	Closed

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6	JP8/Pins 1 & 2	JP8/Pins 3 & 4	JP8/Pins 5 & 6
75MHz	50MHz	1.5x	Closed	Closed	Closed	Open	Open	Open
90MHz	60MHz	1.5x	Open	Closed	Closed	Open	Open	Open
100MHz	66MHz	1.5x	Closed	Open	Closed	Open	Open	Open
120MHz	60MHz	2x	Open	Closed	Closed	Open	Open	Closed
133MHz	66MHz	2x	Closed	Open	Closed	Open	Open	Closed
150MHz	60MHz	2.5x	Open	Closed	Closed	Open	Closed	Closed
166MHz	66MHz	2.5x	Closed	Open	Closed	Open	Closed	Closed

200MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open
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CPU SPEED SELECTION (PENTIUM MMX)

CPU speed	Clock speed	Multiplier	JP7/Pins 1 & 2	JP7/Pins 3 & 4	JP7/Pins 5 & 6	JP8/Pins 1 & 2	JP8/Pins 3 & 4	JP8/Pins 5 & 6
200MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open
233MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open

CPU VOLTAGE SELECTION (SINGLE)

Voltage	SW1/Pins 1 & 2	SW1/Pins 3 & 4	SW1/Pins 5 & 6	SW1/Pins 7 & 8
3.3V	Closed	Open	Closed	Closed
3.54V	Closed	Closed	Closed	Closed

Note: JP5 must have pins 2 & 3 closed.

CPU VOLTAGE SELECTION (DUAL)

Voltage	SW1/Pins 1 & 2	SW1/Pins 3 & 4	SW1/Pins 5 & 6	SW1/Pins 7 & 8
2.0V	Open	Open	Open	Open
2.8V	Open	Open	Open	Closed
2.9V	Closed	Open	Open	Closed
3.2V	Open	Open	Closed	Closed

Note: JP5 must have pins 1 & 2 closed.

DISKONCHIP ADDRESS SELECTION

Setting	JP9/Pins 1 & 2	JP9/Pins 3 & 4	JP9/Pins 5 & 6
CC000	Open	Open	Open
» D0000	Open	Open	Closed
D4000	Open	Closed	Open
D8000	Open	Closed	Closed
DC000	Closed	Open	Open

SERIAL INTERFACE MODE SELECTION

Setting		JP10
»	RS-232	Pins 1 & 2 closed
	RS-422	Pins 3 & 4 closed
	RS-485	Pins 5 & 6 closed