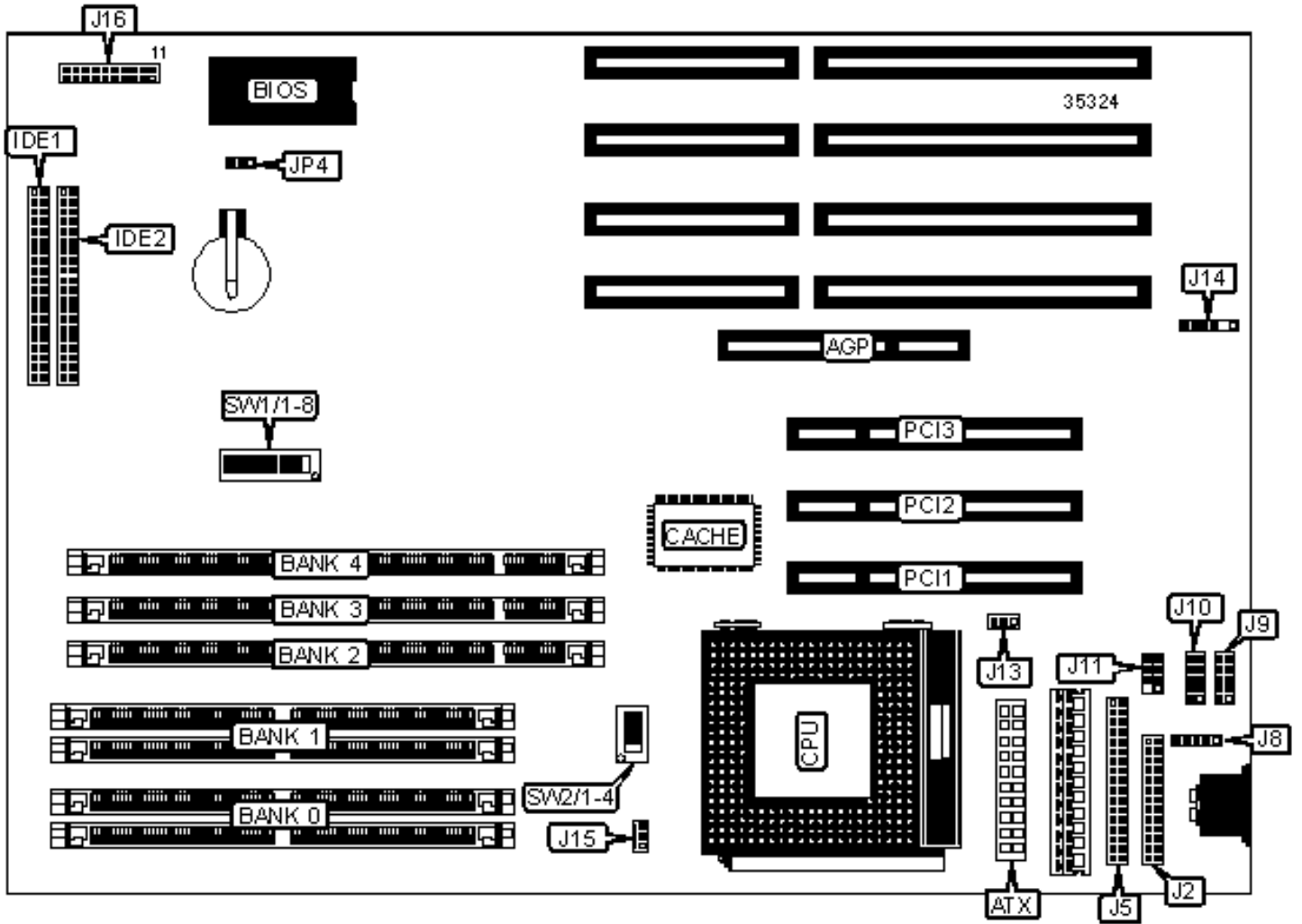


CALIFORNIA GRAPHICS & PERIPHERALS

SUNRAY VIA AGP

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power	ATX	Chassis fan power	J13
IDE interface 1	IDE1	IR connector	J14
IDE interface 2	IDE2	CPU fan power	J15
USB connector	J11	Speaker	J16/pins 1 - 4
Parallel port	J2	Soft power on	J16/pins 7 & 17
Floppy drive interface	J5	Turbo LED	J16/pins 8 & 18
PS/2 mouse interface	J8	Reset switch	J16/pins 9 & 19
Serial port 2	J9	IDE interface LED	J16/pins 10 & 20
Serial port 1	J10	Power LED & keylock	J16/pins 11 - 15
USB connector	J11	32-bit PCI slots	PCI1 - PCI3

USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	JP4	Pins 1 & 2 closed
CMOS memory clear	JP4	Pins 2 & 3 closed
» AT power supply	SW1/8	Off
ATX power supply	SW1/8	On

SIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(2) 1MB x 36	None
16MB	(2) 2MB x 36	None
16MB	(2) 1MB x 36	(2) 1MB x 36
24MB	(2) 2MB x 36	(2) 1MB x 36

32MB	(2) 4MB x 36	None
32MB	(2) 2MB x 36	(2) 2MB x 36
40MB	(2) 4MB x 36	(2) 1MB x 36
48MB	(2) 4MB x 36	(2) 2MB x 36
64MB	(2) 8MB x 36	None
64MB	(2) 4MB x 36	(2) 4MB x 36
72MB	(2) 8MB x 36	(2) 1MB x 36
80MB	(2) 8MB x 36	(2) 2MB x 36
96MB	(2) 8MB x 36	(2) 4MB x 36
128MB	(2) 16MB x 36	None
128MB	(2) 8MB x 36	(2) 8MB x 36
136MB	(2) 16MB x 36	(2) 1MB x 36
144MB	(2) 16MB x 36	(2) 2MB x 36
160MB	(2) 16MB x 36	(2) 4MB x 36
192MB	(2) 16MB x 36	(2) 8MB x 36
256MB	(2) 16MB x 36	(2) 16MB x 36

DIMM CONFIGURATION

Size	Bank 2	Bank 3	Bank 4
8MB	(1) 1MB x 64	None	None
16MB	(1) 1MB x 64	(1) 1MB x 64	None
16MB	(1) 2MB x 64	None	None
24MB	(1) 1MB x 64	(1) 1MB x 64	(1) 1MB x 64
24MB	(1) 2MB x 64	(1) 1MB x 64	None
32MB	(1) 2MB x 64	(1) 2MB x 64	None
32MB	(1) 4MB x 64	None	None

32MB	(1) 2MB x 64	(1) 1MB x 64	(1) 1MB x 64
40MB	(1) 4MB x 64	(1) 1MB x 64	None
48MB	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64
48MB	(1) 4MB x 64	(1) 2MB x 64	None
48MB	(1) 4MB x 64	(1) 1MB x 64	(1) 1MB x 64
56MB	(1) 4MB x 64	(1) 2MB x 64	(1) 1MB x 64
64MB	(1) 4MB x 64	(1) 4MB x 64	None
64MB	(1) 8MB x 64	None	None
64MB	(1) 4MB x 64	(1) 2MB x 64	(1) 2MB x 64
72MB	(1) 8MB x 64	(1) 1MB x 64	None
80MB	(1) 8MB x 64	(1) 2MB x 64	None
80MB	(1) 8MB x 64	(1) 1MB x 64	(1) 1MB x 64
96MB	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64
96MB	(1) 8MB x 64	(1) 4MB x 64	None
96MB	(1) 8MB x 64	(1) 2MB x 64	(1) 2MB x 64
104MB	(1) 8MB x 64	(1) 4MB x 64	(1) 1MB x 64
112MB	(1) 8MB x 64	(1) 4MB x 64	(1) 2MB x 64
128MB	(1) 8MB x 64	(1) 8MB x 64	None
128MB	(1) 16MB x 64	None	None
128MB	(1) 8MB x 64	(1) 4MB x 64	(1) 4MB x 64
136MB	(1) 16MB x 64	(1) 1MB x 64	None
144MB	(1) 16MB x 64	(1) 2MB x 64	None
144MB	(1) 16MB x 64	(1) 1MB x 64	(1) 1MB x 64
152MB	(1) 16MB x 64	(1) 2MB x 64	(1) 1MB x 64
160MB	(1) 16MB x 64	(1) 2MB x 64	(1) 2MB x 64
168MB	(1) 16MB x 64	(1) 4MB x 64	None

168MB	(1) 16MB x 64	(1) 4MB x 64	(1) 1MB x 64
176MB	(1) 16MB x 64	(1) 4MB x 64	(1) 2MB x 64
192MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64
192MB	(1) 16MB x 64	(1) 8MB x 64	None
192MB	(1) 16MB x 64	(1) 4MB x 64	(1) 4MB x 64
200MB	(1) 16MB x 64	(1) 8MB x 64	(1) 1MB x 64
208MB	(1) 16MB x 64	(1) 8MB x 64	(1) 2MB x 64
224MB	(1) 16MB x 64	(1) 8MB x 64	(1) 4MB x 64
256MB	(1) 16MB x 64	(1) 16MB x 64	None
256MB	(1) 16MB x 64	(1) 8MB x 64	(1) 8MB x 64
384MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64

CPU SPEED SELECTION (INTEL)

Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
90MHz	60MHz	1.5x	On	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	2x	On	Off	Off	Off
133MHz	66MHz	2x	Off	Off	Off	Off
150MHz	60MHz	2.5x	On	Off	Off	Off
166MHz	66MHz	2.5x	Off	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL CONT.)

Speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
90MHz	60MHz	1.5x	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off

120MHz	60MHz	2x	On	Off	Off
133MHz	66MHz	2x	On	Off	Off
150MHz	60MHz	2.5x	On	On	Off
166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	On	Off

CPU SPEED SELECTION (INTEL MMX)

Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL MMX CONT.)

Speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off

CPU SPEED SELECTION (CX 6X86)

Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2x	On	Off	Off	Off
166MHz	66MHz	2x	Off	Off	Off	Off

CPU SPEED SELECTION (CX 6X86 CONT.)

Speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
150MHz	60MHz	2x	On	Off	Off

166MHz	66MHz	2x	On	Off	Off
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CPU SPEED SELECTION (CX 6X86L)

Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
150MHz	60MHz	2x	On	Off	Off	Off
166MHz	66MHz	2x	Off	Off	Off	Off

CPU SPEED SELECTION (CX 6X86L CONT.)

Speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
150MHz	60MHz	2x	On	Off	Off
166MHz	66MHz	2x	On	Off	Off

CPU SPEED SELECTION (CX 6X86MX)

Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
200MHz	66MHz	2.5x	Off	Off	Off	Off
233MHz	66MHz	3x	Off	Off	Off	Off
266MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (CX 6X86MX CONT.)

Speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
200MHz	66MHz	2.5x	On	On	Off
233MHz	66MHz	3x	Off	On	Off
266MHz	66MHz	3.5x	Off	Off	Off

CPU SPEED SELECTION (AM K5)

Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
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90MHz	60MHz	1.5x	On	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
133MHz	66MHz	2x	Off	Off	Off	Off
166MHz	66MHz	2.5x	Off	Off	Off	Off

CPU SPEED SELECTION (AM K5 CONT.)

Speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
90MHz	60MHz	1.5x	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off
133MHz	66MHz	2x	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off

CPU SPEED SELECTION (AM K6)

Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (AM K6 CONT.)

Speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7
166MHz	66MHz	2.5x	On	On	Off
200MHz	66MHz	3x	Off	On	Off
233MHz	66MHz	3.5x	Off	Off	Off

VOLTAGE SELECTION (SINGLE)

VIO	VCORE	SW2/1	SW2/2	SW2/3	SW2/4
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3.5V	3.5V	On	On	On	On
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VOLTAGE SELECTION (DUAL)					
V I/O	V core	SW2/1	SW2/2	SW2/3	SW2/4
3.3V	2.1V	On	Off	Off	Off
3.3V	2.5V	On	Off	On	Off
3.3V	2.6V	Off	On	On	Off
3.3V	2.7V	On	On	On	Off
3.3V	2.8V	Off	Off	Off	On
3.3V	2.9V	On	Off	Off	On
3.3V	3.0V	Off	On	Off	On
3.3V	3.1V	On	On	Off	On
3.3V	3.2V	Off	Off	On	On
3.3V	3.5V	On	On	On	On