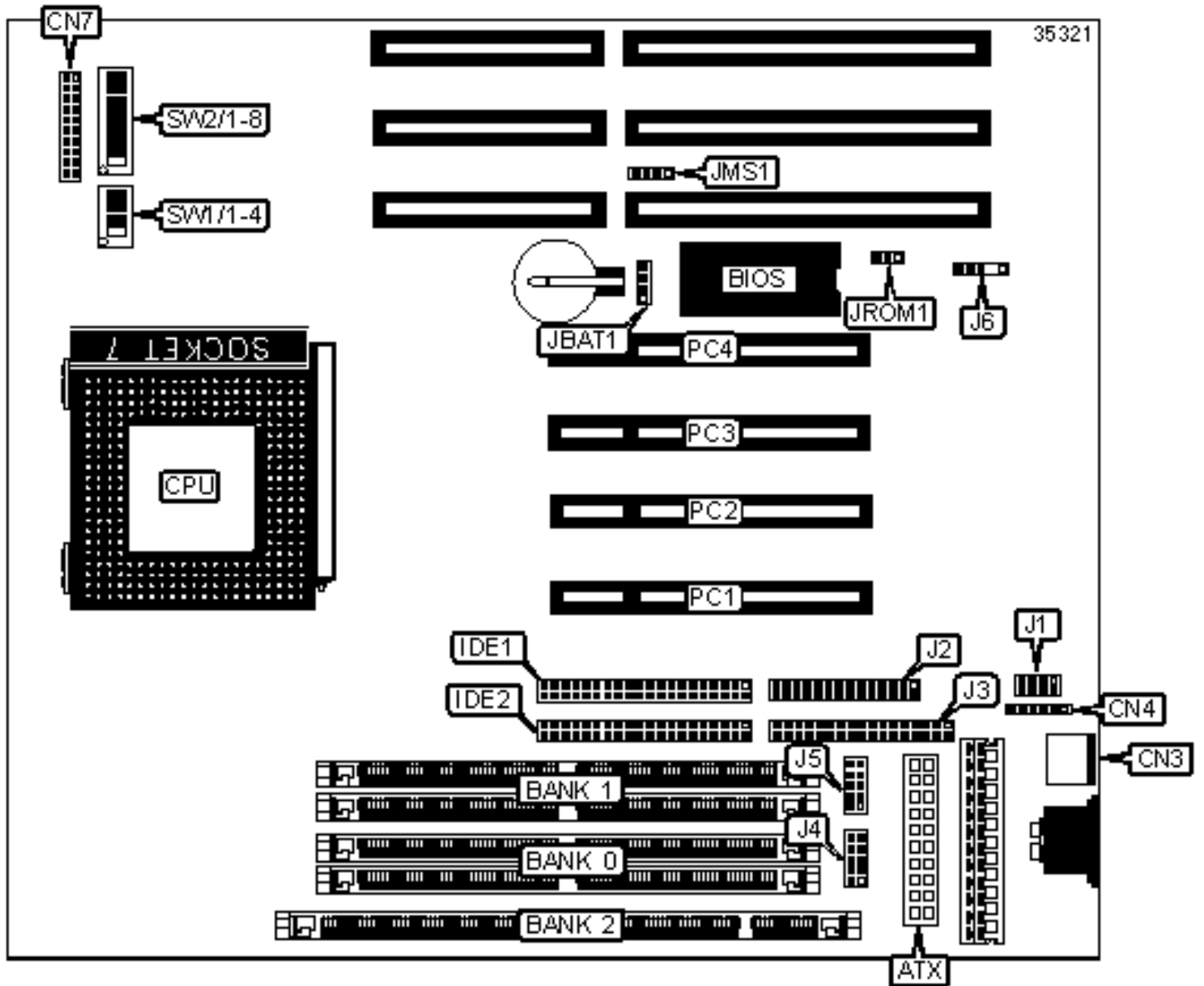


CALIFORNIA GRAPHICS & PERIPHERALS, INC.

SUNRAY II VIA

Configuration



## CONNECTIONS

Purpose	Location	Purpose	Location
ATX power supply	ATX	USB connector	J1
PS/2 mouse port	CN3	Parallel port	J2
PS/2 mouse connector	CN4	Floppy drive interface	J3
Speaker	CN7/pins 1-4	Serial port 1	J4
Soft off power supply	CN7/pins 6 & 16	Serial port 2	J5
Power switch	CN7/pins 7 & 17	IR connector	J6
Turbo LED	CN7/pins 8 & 18	IDE interface 1	IDE1
Reset switch	CN7/pins 9 & 19	IDE interface 2	IDE2
IDE interface LED	CN7/pins 10 & 20	32-bit PCI slots	PC1 - PC4
Power LED & keylock	CN7/pins 11-15		

## USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	JBAT1	Pins 3 & 4 closed
CMOS memory clear	JBAT1	Pins 1 & 2 closed

## SIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(2) 1MB x 36	None
16MB	(2) 1MB x 36	(2) 1MB x 36
16MB	(2) 2MB x 36	None
24MB	(2) 2MB x 36	(2) 1MB x 36
32MB	(2) 2MB x 36	(2) 2MB x 36
32MB	(2) 4MB x 36	None

40MB	(2) 4MB x 36	(2) 1MB x 36
48MB	(2) 4MB x 36	(2) 2MB x 36
64MB	(2) 4MB x 36	(2) 4MB x 36
64MB	(2) 8MB x 36	None
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) 8MB x 36	(2) 8MB x 36
128MB	(2) 16MB x 36	None
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
Note: Board supports Page and EDO memory.		

<b>DIMM CONFIGURATION</b>	
Size	Bank 2
8MB	(1) 1MB x 64
16MB	(1) 2MB x 64
32MB	(1) 4MB x 64
Note: Board accepts SDRAM memory.	

<b>CACHE CONFIGURATION</b>
Note: The location of the 512KB cache is unidentified.

### CPU SPEED SELECTION (INTEL)

CPU Speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
75MHz	50MHz	1.5x	Off	Off	Off	Off
90MHz	60MHz	1.5x	Off	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	2x	On	Off	Off	Off
133MHz	66MHz	2x	On	Off	Off	Off
150MHz	60MHz	2.5x	On	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off

### CPU SPEED SELECTION (INTEL) (CON'T)

CPU Speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
75MHz	50MHz	1.5x	On	On	On	Off
90MHz	60MHz	1.5x	Off	On	On	Off
100MHz	66MHz	1.5x	On	Off	On	Off
120MHz	60MHz	2x	Off	On	On	Off
133MHz	66MHz	2x	On	Off	On	Off
150MHz	60MHz	2.5x	Off	On	On	Off
166MHz	66MHz	2.5x	On	Off	On	Off
200MHz	66MHz	3x	On	Off	On	Off

### CPU SPEED SELECTION (INTEL MMX)

CPU Speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
166MHz	66MHz	2.5x	On	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off

233MHz	66MHz	3.5x	Off	Off	Off	Off
--------	-------	------	-----	-----	-----	-----

**CPU SPEED SELECTION (INTEL MMX) (CON'T)**

CPU Speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
166MHz	66MHz	2.5x	On	Off	On	Off
200MHz	66MHz	3x	On	Off	On	Off
233MHz	66MHz	3.5x	On	Off	On	Off

**CPU SPEED SELECTION (CX 6X86)**

CPU Speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
120MHz	50MHz	2x	On	Off	Off	Off
133MHz	55MHz	2x	On	Off	Off	Off
150MHz	60MHz	2x	On	Off	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	Off

**CPU SPEED SELECTION (CX 6X86) (CON'T)**

CPU Speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
120MHz	50MHz	2x	On	On	On	Off
133MHz	55MHz	2x	On	On	Off	Off
150MHz	60MHz	2x	Off	On	On	Off
166MHz	66MHz	2x	On	Off	On	Off
200MHz	75MHz	2x	Off	On	Off	On

**CPU SPEED SELECTION (CX 6X86L)**

CPU Speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
-----------	-------------	------------	-------	-------	-------	-------

120MHz	50MHz	2x	On	Off	Off	Off
133MHz	55MHz	2x	On	Off	Off	Off
150MHz	60MHz	2x	On	Off	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	Off

**CPU SPEED SELECTION (CX 6X86L) (CON'T)**

CPU Speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
120MHz	50MHz	2x	On	On	On	Off
133MHz	55MHz	2x	On	On	Off	Off
150MHz	60MHz	2x	Off	On	On	Off
166MHz	66MHz	2x	On	Off	On	Off
200MHz	75MHz	2x	Off	On	Off	On

**CPU SPEED SELECTION (CX 6X86MX)**

CPU Speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
166MHz	60MHz	2.5x	On	On	Off	Off
200MHz	75MHz	2x	On	Off	Off	Off
200MHz	66MHz	2.5x	On	On	Off	Off
233MHz	75MHz	2.5x	On	On	Off	Off
233MHz	66MHz	3x	Off	On	Off	Off
266MHz	75MHz	3x	Off	On	Off	Off
266MHz	66MHz	3.5x	Off	Off	Off	Off

**CPU SPEED SELECTION (CX 6X6MX) (CON'T)**

CPU Speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
-----------	-------------	------------	-------	-------	-------	-------

166MHz	60MHz	2.5x	Off	On	On	Off
200MHz	75MHz	2x	Off	On	Off	On
200MHz	66MHz	2.5x	On	Off	On	Off
233MHz	75MHz	2.5x	Off	On	Off	On
233MHz	66MHz	3x	On	Off	On	Off
266MHz	75MHz	3x	Off	On	Off	On
266MHz	66MHz	3.5x	On	Off	On	Off

### CPU SPEED SELECTION (AM K5)

CPU Speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
75MHz	50MHz	1.5x	Off	Off	Off	Off
90MHz	60MHz	1.5x	Off	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	1.5x	Off	Off	Off	Off
133MHz	66MHz	1.5x	On	Off	Off	Off
150MHz	60MHz	1.75x	On	On	Off	Off
166MHz	66MHz	1.75x	On	On	Off	Off

### CPU SPEED SELECTION (AM K5) (CON'T)

CPU Speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
75MHz	50MHz	1.5x	On	On	On	Off
90MHz	60MHz	1.5x	Off	On	On	Off
100MHz	66MHz	1.5x	On	Off	On	Off
120MHz	60MHz	1.5x	Off	On	On	Off
133MHz	66MHz	1.5x	On	Off	On	Off
150MHz	60MHz	1.75x	Off	On	On	Off

166MHz	66MHz	1.75x	On	Off	On	Off
--------	-------	-------	----	-----	----	-----

### CPU SPEED SELECTION (AM K6)

CPU Speed	Clock speed	Multiplier	SW2/1	SW2/2	SW2/3	SW2/4
166MHz	66MHz	1.75x	On	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

### CPU SPEED SELECTION (AM K6) (CON'T)

CPU Speed	Clock speed	Multiplier	SW2/5	SW2/6	SW2/7	SW2/8
166MHz	66MHz	1.75x	On	Off	On	Off
200MHz	66MHz	3x	On	Off	On	Off
233MHz	66MHz	3.5x	On	Off	On	Off

### VOLTAGE SELECTION (SINGLE)

Voltage	SW1/1	SW1/2	SW1/3	SW1/4
3.5v	On	On	On	On

### VOLTAGE SELECTION (DUAL)

V I/O	V core	SW1/1	SW1/2	SW1/3	SW1/4
3.3v	2.0v	Off	Off	Off	Off
3.3v	2.1v	On	Off	Off	Off
3.3v	2.2v	Off	On	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