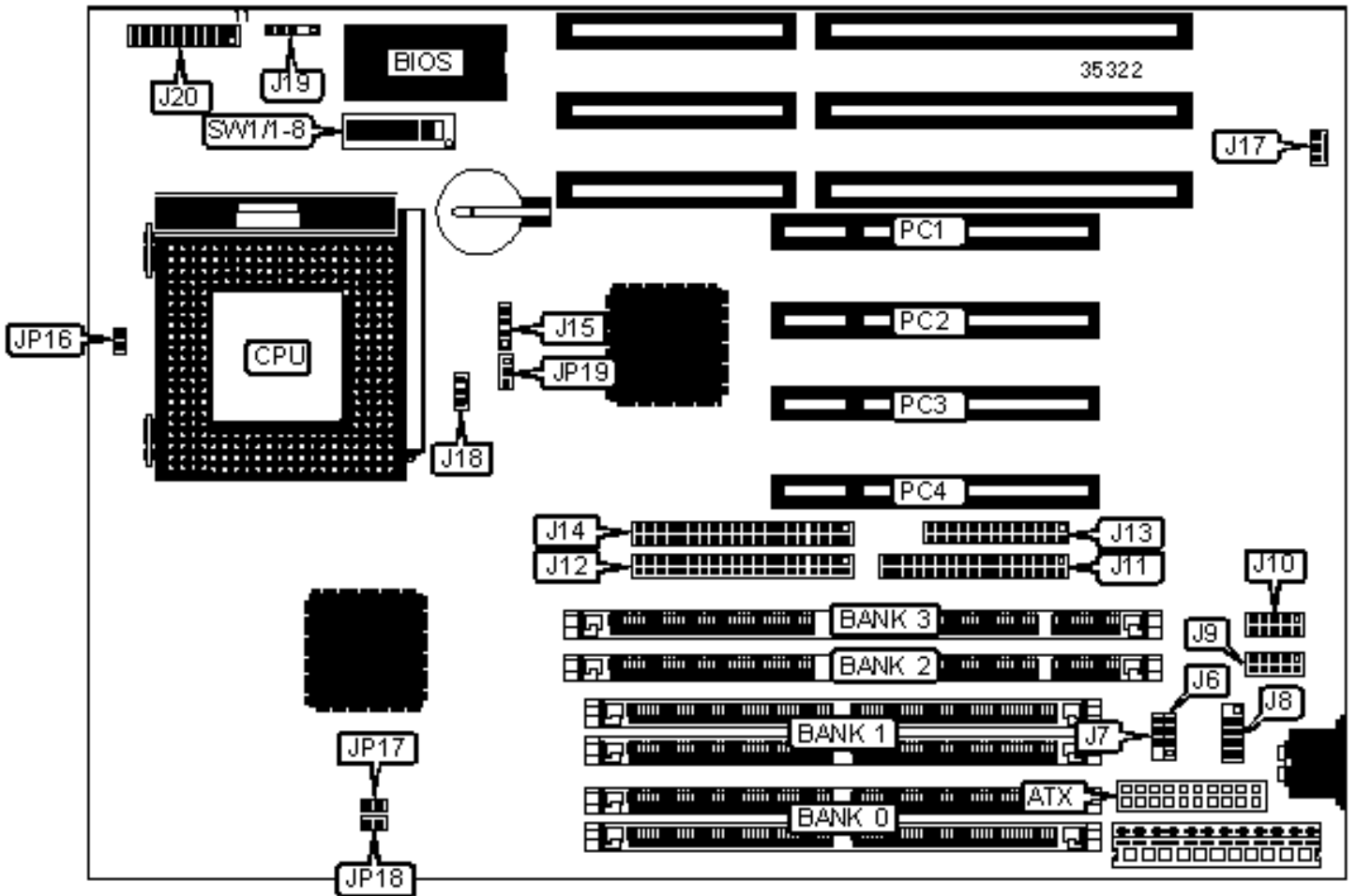


CALIFORNIA GRAPHICS & PERIPHERALS, INC.

SUNRAY EVOLUTION TX

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Chassis fan power	J17
USB connector 1	J6	CPU fan power	J18
USB connector 2	J7	IR connector	J19
PS/2 mouse interface	J8	Speaker	J20/pins 1 - 4
Serial port 1	J9	Soft off power supply	J20/pins 6 & 16
Serial port 2	J10	Turbo LED	J20/pins 8 & 18
Floppy drive interface	J11	Reset switch	J20/pins 9 & 19
IDE interface 1	J12	IDE interface LED	J20/pins 10 & 20
Parallel port	J13	Power LED & keylock	J20/pins 11 - 15
IDE interface 2	J14	32-bit PCI slots	PC1 - PC4
External battery	J15		

USER CONFIGURABLE SETTINGS

Function	Label	Position
» Battery type select internal	J15	Pins 3 & 4 closed
Battery type select external	J15	Open
» Factory configured - do not alter	J16	Open
» Factory configured - do not alter	JP18	Unidentified
» CMOS memory clear	JP19	Pins 2 & 3 closed
CMOS memory normal operation	JP19	Open

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.

DIMM CONFIGURATION

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

24MB	(1) 2MB x 64	(1) 1MB x 64
32MB	(1) 2MB x 64	(1) 2MB x 64
32MB	(1) 4MB x 64	None
40MB	(1) 4MB x 64	(1) 1MB x 64
48MB	(1) 4MB x 64	(1) 2MB x 64
64MB	(1) 4MB x 64	(1) 4MB x 64
64MB	(1) 8MB x 64	None
72MB	(1) 8MB x 64	(1) 1MB x 64
80MB	(1) 8MB x 64	(1) 2MB x 64
96MB	(1) 8MB x 64	(1) 4MB x 64
128MB	(1) 8MB x 64	(1) 8MB x 64
128MB	(1) 16MB x 64	None
136MB	(1) 16MB x 64	(1) 1MB x 64
144MB	(1) 16MB x 64	(1) 2MB x 64
168MB	(1) 16MB x 64	(1) 4MB x 64
192MB	(1) 16MB x 64	(1) 8MB x 64
256MB	(1) 16MB x 64	(1) 16MB x 64

CACHE CONFIGURATION

Note: The location of the 512KB cache is unidentified.

CPU SPEED SELECTION (INTEL)

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

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

CPU SPEED SELECTION (INTEL MMX)						
Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	Off	On	On
200MHz	66MHz	3x	Off	Off	Off	On
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (AM K5)						
Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
100MHz	66MHz	1.5x	Off	Off	Off	Off
133MHz	66MHz	1.5x	Off	Off	On	Off
166MHz	66MHz	1.75x	Off	Off	On	On
200MHz	66MHz	3x	Off	Off	Off	On
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (AM K6)						
Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	1.75x	Off	Off	On	On
200MHz	66MHz	3x	Off	Off	Off	On
233MHz	66MHz	3.5x	Off	Off	Off	Off
266MHz	66MHz	4x	Off	Off	On	Off
300MHz	66MHz	4.5x	Off	Off	On	On

CPU SPEED SELECTION (CX 6X86)

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

CPU SPEED SELECTION (CX 6X86L)

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

CPU SPEED SELECTION (CX 6X86MX)

Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	60MHz	2.5x	On	On	On	On
200MHz	75MHz	2x	Off	Off	On	Off
200MHz	66MHz	2.5x	Off	Off	On	On
233MHz	75MHz	2.5x	Off	Off	On	On
233MHz	66MHz	3x	Off	Off	Off	On
266MHz	75MHz	3x	Off	Off	Off	On
266MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (IDT C6)

Speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
180MHz	60MHz	3x	On	On	Off	On
200MHz	66MHz	3x	Off	Off	Off	On

VOLTAGE SELECTION (SINGLE)

Voltage	SW1/5	SW1/6	SW1/7	SW1/8
3.5V	On	On	On	On

VOLTAGE SELECTION (DUAL)

Voltage	V core	SW1/5	SW1/6	SW1/7	SW1/8
3.3v	2.1V	On	Off	Off	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	3.2V	Off	Off	On	On
3.3v	3.5V	On	On	On	On