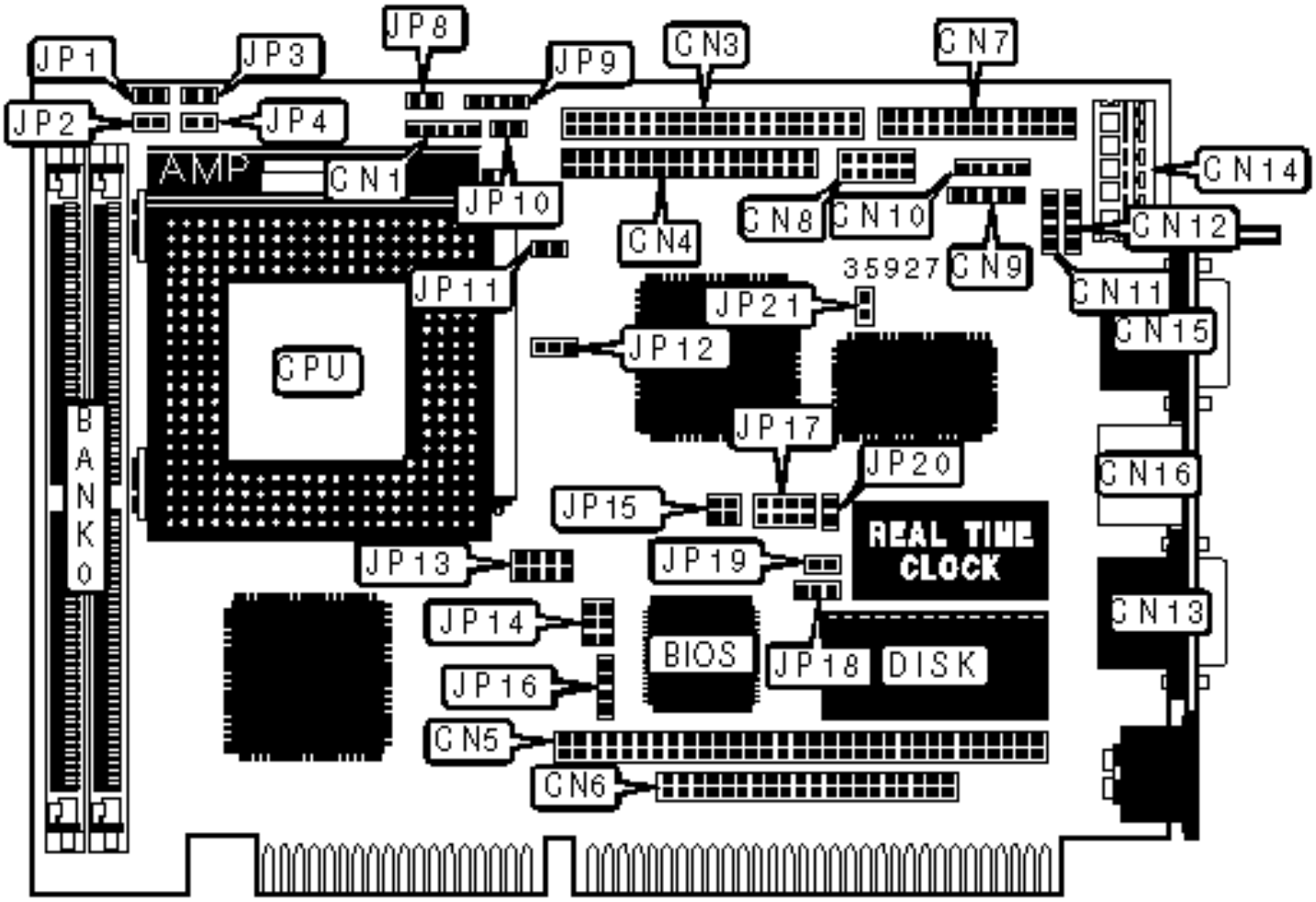
BOSER TECHNOLOGY CO., LTD.

HS-5080

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
Power LED & keylock	CN1	USB connector 1	CN11
IDE interface	CN3	USB connector 2	CN12
Floppy drive interface	CN4	Serial port 1	CN13
PC/104 connector	CN5	Power connector	CN14
PC/104 connector	CN6	VGA port	CN15
Parallel port	CN7	PS/2 mouse port	CN16
Serial port 2	CN8	Reset switch	JP8
IR connector	CN9	Speaker	JP9
Auxiliary keyboard connector	CN10	IDE interface LED	JP10

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	Factory configured - do not alter	JP1	Unidentified
»	Cache type select write back	JP11	Open
	Cache type select write through	JP11	Closed
»	BIOS type select 29C010	JP15	Pins 1 & 2 closed
	BIOS type select 28F010	JP15	Pins 3 & 4 closed
»	On board I/O enabled	JP19	Open
	On board I/O disabled	JP19	Closed
»	CMOS memory normal operation	JP20	Open
	CMOS memory clear	JP20	Closed
»	Temperature sensor enabled	JP21	Closed
	Temperature sensor disabled	JP21	Open

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
Note: Board accepts EDO memory.	

CACHE CONFIGURATION
Note: The location of the cache is unidentified.

VIDEO MEMORY CONFIGURATION
Note: The location of the video memory is unidentified.

CPU SPEED SELECTION (CX 6X86)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4
150MHz	60MHz	2x	Closed	Closed	Open
166MHz	66MHz	2x	Closed	Closed	Open

CPU SPEED SELECTION (CX 6X86, CON'T)						
CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP14
150MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	3 & 4
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (CX MII)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4
166MHz	66MHz	2.5x	Closed	Open	Closed
200MHz	66MHz	3x	Open	Open	Closed
233MHz	66MHz	3.5x	Open	Open	Open

CPU SPEED SELECTION (CX MII, CON'T)						
CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP14
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	3 & 4
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	3 & 4
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	3 & 4
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4
133MHz	66MHz	2x	Closed	Closed	Open
166MHz	66MHz	2.5x	Closed	Closed	Closed

CPU SPEED SELECTION (AM K5, CON'T)						
CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP14
133MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	3 & 4
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	3 & 4
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (AM K6)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4

166MHz	66MHz	2.5x	Closed	Open	Closed
200MHz	66MHz	3x	Open	Open	Closed
233MHz	66MHz	3.5x	Open	Closed	Open

CPU SPEED SELECTION (AM K6, CON'T)						
CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP14
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	3 & 4
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	3 & 4
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	3 & 4
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4
90MHz	60MHz	1.5x	Open	Closed	Open
100MHz	66MHz	1.5x	Open	Closed	Open
120MHz	60MHz	2x	Closed	Closed	Open
133MHz	66MHz	2x	Closed	Closed	Open
150MHz	60MHz	2.5x	Closed	Closed	Closed
166MHz	66MHz	2.5x	Closed	Closed	Closed
200MHz	66MHz	3x	Open	Closed	Closed

CPU SPEED SELECTION (INTEL, CON'T)						
CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP14
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	3 & 4
120MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	1 & 2

133MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	3 & 4
150MHz	60MHz	2.5x	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	3 & 4
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	3 & 4
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (INTEL MMX)					
CPU speed	Clock speed	Multiplier	JP2	JP3	JP4
166MHz	66MHz	2.5x	Closed	Closed	Closed
200MHz	66MHz	3x	Open	Open	Closed
233MHz	66MHz	3.5x	Open	Closed	Open

CPU SPEED SELECTION (INTEL MMX, CON'T)						
CPU speed	Clock speed	Multiplier	JP5	JP6	JP7	JP14
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	3 & 4
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	3 & 4
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	3 & 4
Note: Pins designated should be in the closed position.						

CPU TYPE SELECTION		
Type		JP12
	Single voltage	Pins 2 & 3 closed
»	Dual voltage	Pins 1 & 2 closed

CPU VOLTAGE SELECTION	
Voltage	JP13

	2.0v	Open
	2.1v	Pins 7 & 8 closed
	2.2v	Pins 5 & 6 closed
	2.3v	Pins 5 & 6, 7 & 8 closed
	2.4v	Pins 3 & 4 closed
	2.5v	Pins 3 & 4, 7 & 8 closed
	2.6v	Pins 3 & 4, 5 & 6 closed
	2.7v	Pins 3 & 4, 5 & 6, 7 & 8 closed
	2.8v	Pins 1 & 2 closed
»	2.9v	Pins 1 & 2, 7 & 8 closed
	3.0v	Pins 1 & 2, 5 & 6 closed
	3.1v	Pins 1 & 2, 5 & 6, 7 & 8 closed
	3.2v	Pins 1 & 2, 3 & 4 closed
	3.3v	Pins 1 & 2, 3 & 4, 7 & 8 closed
	3.4v	Pins 1 & 2, 3 & 4, 5 & 6 closed
	3.5v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed

VL BUS WAIT STATE SELECTION

Time out		JP17/pins 1 & 2	JP17/pins 3 & 4	JP17/pins 5 & 6	JP17/pins 7 & 8
»	1 second	Open	Open	Closed	Open
	2 seconds	Open	Open	Closed	Closed
	10 seconds	Open	Closed	Open	Open
	20 seconds	Open	Closed	Open	Closed
	110 seconds	Closed	Open	Open	Open
	220 seconds	Closed	Open	Open	Closed

WATCHDOG TIMER SELECTION		
Setting		JP18
»	Reset	Pins 1 & 2 closed
	Active NMI	Pins 2 & 3 closed
	Disabled	Open

DISK ADDRESS SELECTION		
Address		JP16
»	D000	Pins 1 & 2 closed
	D800	Pins 3 & 4 closed